



*Adhiparasakthi College of Pharmacy,
Melmaruvathur, Kancheepuram District -603 319,
Tamilnadu, India.*



SELF STUDY REPORT

-----*Submitted to*-----

National Assessment and Accreditation Council (NAAC)

P.B.No. – 1075, Nagarbhavi, Bengaluru – 560 072.

2016

Om Sakthi

**INSTITUTIONAL ACCREDITATION
SELF-STUDY REPORT**

CYCLE – 2

Submitted to



**National Assessment and Accreditation Council,
Nagarbhavi, Bengaluru -560072.**

Submitted By



**Adhiparasakthi College of Pharmacy
Melmaruvathur - 603 319,
Kancheepuram District, TamilNadu.**

Phone: (044)27529093 Mobile: 9003542444 Fax : (044) 27529196

Website :<http://apcp.in>

**(Approved by AICTE, Recognized by Pharmacy Council of India and Affiliated to
The Tamil Nadu Dr.M.G.R. Medical University)**

Accredited by "NAAC" with CGPA of 2.74 on a four point scale at "B" Grade

MARCH 2016

OM SAKTHI



AdhiparasakthiSiddharPeedam, Melmaruvathur, Tamilnadu.

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Om Sakthi



ADHIPARASAKTHI COLLEGE OF PHARMACY

MELMARUVATHUR - 603 319, TAMIL NADU.

Phone : (044) 27529093 Mobile : 9003542444 Fax : (044) 27529196

Website : <http://apcp.in> ; Email : pharmacymimr@gmail.com

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Arulthiru. **G.BANGARU ADIGALAR**

Founder President

Tmt. **V. LAKSHMI BANGARU ADIGALAR**

Vice - President

Dr. (Tmt.) **E. SRILEKHA**

Correspondent

Prof. Dr. T. Vetrichelvan, B.Pharm.(MMC), M.Pharm.(JU, Kolkata) & Ph.D.(TU),
Principal, Since 1996.

REF:ACP/NAAC/2015-2016/15:

07.03.2016

To

Prof. Dhirendra Pal Singh,
Director,
National Assessment and Accreditation Council,
P.O. Box No.1075, Nagarbhavi,
Bangalore - 560 072, Karnataka.

Respected Sir,

Sub : **Submission of Self Study Report - Cycle-2, LOI Track ID:
TNCOGN14417, dated 10.02.2016 - Regarding**

Ref: CAPU SOUTH - e-mail dated 25th February 2016.

-oOo-

We are pleased to submit the Self Study Report (SSR), five hard copies and one soft copy (CD), of our Institute along with a D.D. (A & A Fee) for Rs.3,43,500/- (Rupees Three Lakh forty three thousand and five hundred only) to National Assessment and Accreditation Council (NAAC), Bangalore. The SSR has been prepared in accordance with the guidelines by NAAC for the Accreditation of Health Science Institutions.

Sl. No.	Particulars	
1	Name of the Institution	Adhiparasakthi College of Pharmacy
2	E-mail I.D.	pharmacymimr@gmail.com
3	Website	http://apcp.in
4	A & A Fee D.D No. & Date	141922, 29.02.2016

Please do the needful.

Thanking You,

Yours faithfully,

Dr.T.Vetrichelvan, M.Pharm., Ph.D.,
Professor and Principal
Adhiparasakthi College of Pharmacy
Melmaruvathur-603 319,
Tamilnadu, India.

PREFACE

**“All are children of one Mother
All Human beings belong to one race of Humanity”**

ARULMIGU ADHIPARASAKTHI SIDDHAR PEEDAM is situated at Melmaruvathur, 91 km from Chennai. This unique 2000 year old “SIDDHAR PEEDAM” has 21 Siddhars in “JEEVA SAMADHI” and has the Goddess Adhiparasakthi in “**SWAYAMBHU**” form. **His Holiness Bangaru Adigalar** is the living incarnation of Goddess Adhiparasakthi and devotees call him as Mother or AMMA. His Holiness Adigalar is the upholder of “Dharma in this Kaliyuga, the living Almighty who has shown by practice that Spirituality is the blend of Devotion and Duty. Duty is service to the dispossessed and downtrodden. His objective is to carry spirituality to doorsteps of common man so that the human race as a whole is elevated.

Poojas, Archanas and Abishekams are performed daily in accordance with the procedures laid down by the Mother and not as per the usual agamic rites. All are allowed to enter the Sanctum Sanctorum irrespective of caste, creed and religion for performing prayers, poojas, archanas and abishekams as practiced in their respective religions. A unique feature is that the ladies trained by Mother are permitted to do poojas and yagnas.

Mother wants all her children to live in peace and in comfort. But unfortunately, the evils of racial discrimination, economic inequalities, communal bias, class distinctions, linguistic fanaticism and social instability plague the world. This is the consequence of the decline in the spiritual value and the emergence of materialism.

ADHIPARASAKTHI CHARITABLE, MEDICAL, EDUCATIONAL AND CULTURAL TRUST

The “Mother” wants each of her devotees to help the oppressed and the underprivileged. The first step in this direction was the formation of the Adhiparasakthi Charitable, Medical, Educational and Cultural Trust in 1978 at Melmaruvathur with the prime objective to spread spirituality, render social and community services irrespective of caste, creed, community and religion. The members of the Trust are people of eminence in various walks of the life viz., Education, Research, Industry, Business and Administration. **His Holiness Arulthiru BANGARU ADIGALAR is the Founder-President of the Trust.**

Worshipping Centers formed by the Trust are functioning throughout India and other countries such as Malaysia, Singapore, Africa, France, U.K., U.S.A., etc. These centers guide the devotees through weekly prayers in the homes of distressed families in order to alleviate their sufferings.

Educational Institutions at Melmaruvathur Campus

1. Adhiparasakthi Matriculation Higher Secondary School.
2. G.B. Public School.
3. Melmaruvathur Adhiparasakthi High School.
4. Adhiparasakthi Annai Illam.
5. Adhiparasakthi Polytechnic College.
6. Adhiparasakthi Engineering College.
7. Adhiparasakthi College of Nursing.
8. Adhiparasakthi College of Physiotherapy.
- 9. Adhiparasakthi College of Pharmacy.**
10. Adhiparasakthi Dental College.
11. Melmaruvathur Adhiparasakthi Institute of Medical Sciences and Research.

Educational Institutions at G.B. Nagar, Kalavai Campus

1. Adhiparasakthi College of Arts and Science
2. Adhiparasakthi Agricultural and Horticultural College
3. Adhiparasakthi College of Engineering
4. Adhiparasakthi Teachers Training Institute
5. Adhiparasakthi College of Education

GENESIS OF THE ADHIPARASAKTHI COLLEGE OF PHARMACY

Adhiparasakthi College of Pharmacy is founded by **His Holiness Arulthiru “AMMA”** in **October 1993** and started functioning with 30 B. Pharmacy students. The College is affiliated to The Tamil Nadu Dr. M.G.R. Medical University, Chennai. Also, the College of Pharmacy is approved by **All India Council for Technical Education**, New Delhi and recognized by **Pharmacy Council of India**, New Delhi. **M.Pharmacy in Pharmaceutical Analysis, Pharmaceutics, Pharmaceutical Chemistry and Ph.D. programs were started in the academic year 2003-2004, 2008-2009, 2009-2010 & 2008** respectively. This Institute is the fourth Pharmacy College in Tamil Nadu, for conducting Pharmaceutical Analysis specialization and approved by AICTE, New Delhi. The aim of the trust is to enrich the Pharmacy/Medicinal knowledge in the rural youth and make them for better health and employment.

AIM, MISSION, VISION, MOTTO, EMBLEM AND FLAG

AIM

The sole aim of starting a co-educational college in Melmaruvathur, Kancheepuram District is to educate the rural under privileged of the district at the University level and to lift them from their bottom most social strata and to rise economic status to ensure a decent living by eradicating illiteracy and render them capable of giving help to their family and neighborhood in particular and the society at large.

VISION

1. To mould youth to combat changing challenges and to serve global community, with professional competence and spiritual commitment to excellence.
2. Advance learning and knowledge by teaching, research and by extension programmes so as to enable a student to obtain advantages of pharmacy education.
3. To provide the right kind of leadership in all ambles of life.

MISSION

To provide quality, value-based and career-oriented education to students, especially rural young men and women, who will be the agents of societal transformation and global development through their selfless and spiritual service.

MOTTO

Study, Spirituality and Service are the Motto of the College. Study aims at academic excellence, spirituality to impart character and to inculcate service mind for betterment of society in particular and world at large.

FLAG

The College flag has tricolor namely Blue, Yellow and Red. The Blue indicates Education. Yellow denotes Spirituality and Red refers to Service.

EMBLEM

A book, a trisul, recipe, a capsule and tablet constitute the emblem. The book stands for knowledge, the trisul represents spirituality polyvalent, rich and upholding “Dharma”, recipe indicate provenance and the capsule/tablet identifies the requirement of medicines for any living being for prophylactic and therapeutic effects.

Prof. Dr. T.Vetrichelvan, M.Pharm., Ph.D.,
Professor and Principal, Since 1996,
Adhiparasakthi College of Pharmacy,
Melmaruvathur-603 319, TamilNadu.
[Email:vetrisel@yahoo.com](mailto:vetrisel@yahoo.com)
Mobile: 09443010858

EXECUTIVE SUMMARY

The inspiring determination to impart quality higher education to rural youth conceptualized in the minds of our Visionary Founder President **His Holiness Arulthiru Bangaru Adigalar** and Vice President Thirumathi **V. Lakshmi Bangaru Adigalar** resulted in the establishment of this prestigious institution by Adhiparasakthi Charitable, Medical, Educational and Cultural (ACMEC) Trust at Melmaruvathur, a rural compact of Kancheepuram District of Tamilnadu in 1993. The College, for which the foundation stone was laid by the Minister of Human Resource Development, Government of India Shri. Arjun Singh, is an unaided, co-educational institution affiliated to The Tamilnadu Dr.M.G.R.Medical University, Chennai.

1. CURRICULAR ASPECTS

The Vision and Mission of this institution reflects the goals and objectives and ways to achieve them.

Our college is one of the 300 institutions affiliated to The Tamil Nadu Dr M.G.R. Medical University which was established in 1987 and amended subsequently to become The Tamil Nadu Dr M.G.R. Medical University as per Tamilnadu Medical University Act 1987. As an affiliated college we are offering UG course in B. Pharmacy and 3 PG courses in M. Pharmacy which includes Pharmaceutical Analysis, Pharmaceutics and Pharmaceutical Chemistry. Also we offer Ph.D. programme in Pharmaceutical Analysis. All the courses are ICT enabled teaching learning process. First B.Pharmacy students are asked to undergo training in Spoken English and computer handling while first year M.Pharmacy students are given training in Analytical instruments and Biostatistical research methods.

Four Faculty members of the College have been contributing to the curriculum design and development by being members in several academic bodies of Affiliating University. A noteworthy feature is that a PG Programme in Pharmaceutical Analysis which is approved by AICTE (Started in 2003) enhanced the intake beyond 10 for the first time with the Affiliating University. The students are made professionally competent and are also taught with spiritual and moral values.

2. TEACHING – LEARNING AND EVALUATION

The admission for undergraduate programme up to the academic year 2006-07 was based on the Common Entrance Test (CET) and counseling conducted by the Government of Tamilnadu/Consortium and thereafter it is changed only through counseling based on the aggregate marks obtained in +2/Intermediate/Equivalent examinations as per the norms of government. Admission of disadvantaged, women, economically weaker sections, sports persons and physically challenged is given due importance. The College has totally 25 dedicated Faculty members from various specializations out of which 09 members are Ph.D. holders and 03 are pursuing Ph.D. Two staff members are GATE Qualified and 01 with M.Phil. For the past 05 years, out of 25 teachers 8 have produced 100 % results in university examinations. The college encourages the teacher to attend Faculty Development Programmes like Orientation Courses, Refresher Courses, Seminars, Conferences, Workshops and Symposia. During last five years

faculty members have attended 60 National level seminars/conferences/workshops and 08 international conferences/symposia. The institution enables novel methods of teaching interlaced with mentoring approach in teaching / learning with the usage of teaching aids like LCD, OHP, Slide Projector, Internet, Bio-visual charts, Educational CDs, Industrial Visit, Field Trips etc. apart from the conventional chalk and talk method. Problem solving method of learning is imparted through group discussion, projects and case studies. Continuous assessment of students is performed through class performance, term and model examinations, assessments and class seminars. The learning process of the rural students has been enhanced by adopting the practice of ward-tutorial system, remedial courses and bridge courses. Fifteen Students have passed various competitive exams like GRE, GPAT etc. from 2011 – 2016. Monthly-wise / weekly-wise lesson plans are prepared by each teacher for effective implementation of various academic programmes offered. A separate examination cell is functioning for smooth conduct of various examinations even though the college is only an affiliated college. There is a mechanism for self appraisal of faculty and assessment of faculty by the students. Feedback from stakeholders like alumni, parents, industries and students is periodically collected to enhance the quality of the institution. We are cultivating around hundreds different medicinal plants in one acre garden. This is used by our UG, PG and Ph.D. students to carry out their regular academic and research activities.

3. RESEARCH, CONSULTANCY AND EXTENSION

The Institution encourages the Faculties to acquire Ph.D. degree, and promotes the participation of all faculty and students in research activities through projects. Three Student projects have been awarded best cash prize by the Tamilnadu Pharmaceutical Sciences Welfare Trust and two projects have been selected as best during the year 2014 and 2015 IPA Convention. Five national conferences were organized by the institution since last five years. The institution has 18 ongoing research projects and 99 projects were completed during the last five years. The faculty and students have presented 18 research papers at various national and international conferences. During the last five years, 75 research papers have been published in indexed journals with impact factor range of 0.751-5.210. 24 proceedings and one book have been published. The college has linkages with various industries and other agencies through mutually beneficial agreement for enhancing the quality of research, consultancy and extension activities. The Trust has provided significant grant to augment the existing infrastructural facility (Rs. 80 lacs) and research activities (Rs. 03 Lakhs/annum for consumables for promoting research and consultant activities).

In the area of extension activities, the faculty members and students show their commitment towards the society by participating actively in NSS and Hospital dispensing activities. So far 12 NSS special camps at different villages viz, Kesavarayanpet, Kilmaruvathur and Nemam have been conducted. The village adoption scheme is unique for this college under extension programme.

4. INFRASTRUCTURE AND LEARNING RESOURCES

The land area of the college is 07 acres, with 7489 sq.m of building for the academic and other activities of the college. The institution has 07 class rooms with LCD projectors, OHP and slide projector with 03 tutorial halls, 19 sophisticated laboratories with advanced equipments, and a CPCSEA approved animal house. A well equipped central library and 03 departmental libraries with central computing facility along with internet connectivity are present. Separate hostel facilities for boys and girls, transport facility, sports facilities, bank, post office, telecom centre, canteen etc. are the facilities provided for the students of the college. In the library there are 11865 books and 39 journals and periodicals with bar-coding system. The library is provided with facilities such as reprography, computers, audio and video cassettes, internet facility and book bank facility. The institution has membership with affiliating university for the benefit of our students to utilize their library books, journals and digital collections regarding curricular aspects. All the departments have intercom facilities. There are 75 computers available for the students and staff. Continuous drinking water supply is ensured in the campus with reverse osmosis water purifier system. Free medical treatment is given for all staff and students at our own Hospital at Melmaruvathur.

5. STUDENTS SUPPORT AND PROGRESSION

The total strength of students in the current academic year 2015-2016 is 232 consisting of 108 boys and 124 girls. Most of the students are from nearby districts of Tamilnadu. Some students of UG and PG programme are from other states. The high percentage (80 -100 %) of students qualifying UG/ PG examinations of the university and relatively low dropout rate of students are the strengths of the college. The progression to further study rate for UG is 75% and PG is 25%. The employment/ placement rate for UG is 100 % and PG is 80%. The College has a placement cell with placement officer who coordinates with various industries and companies every year. During the academic years 2015-2016, 67% of the students were placed through placement cell in different industries. The College has produced 100% and 80% results in PG and UG programme respectively and has produced many students with distinction for the past nineteenth batches passed out of the college. Many welfare schemes for various purposes are provided by the institution including financial aid to economically weaker students. 87 students are provided with government scholarships and 37 economically poor students have availed loan facilities during the academic year 2015-2016. Five students received cash award of Rs 10,000.00 for obtaining high marks in university examination. The Institution also provides Students group insurance scheme for all the students. Alumni and parent-teacher meeting is conducted every year to get the feedback regarding curricular and co-curricular practices. On few occasion feedback is got from industries to update our research area in PG and Ph.D. programmes.

6. GOVERNANCE AND LEADERSHIP

The Statutory bodies of the Institution are (a) Board of Trustees-ACMEC Trust, (b) College Governing Council and (c) Internal Administrative Body. The Principal is the Head of the Institution. There is an integrated governance methodology in the college with the participation of all heads of departments, various committees and other faculty members in decision making, implementation and evaluation of curricular, co-curricular and extracurricular activities. There is a decentralized system of administration for the smooth and efficient functioning of the organization including resource mobilization and finance management. The perspective plan formulated by the management and annual academic plan framed by each department aims at realizing the vision through mission mode programmes. The fee structure under both management and government seats are as fixed by the Government of Tamilnadu (Rs 38,000. / annum). The college has well laid out budget allocation for recurring and non recurring expenses which is effectively utilized. The visionary leadership periodically upgrades the college infrastructure through bank loan and assistance through the charitable trust. The College has the practice of internal audit to monitor the financial management. There is Grievance Redressal Cell in the college to sort out the representation of staff and students and as on date, there is no impending grievance from stakeholders.

7. INNOVATIVE PRACTICES

The Institution has established IQAC on 19.10.2009 as per the UGC/ NAAC guidelines. The institution gives extra care for the girl students by the creation of women cell which provides counseling, encourages the participation of girls in sports and recreational activities, imparts legal literacy and addresses all the empowerment activities for girl students.

The village adoption scheme of the college through NSS is imparting rural ownership quality to the students of the college. The service rendering quality to the society is instilled to the students by providing opportunities to all the students to participate in all the health care camps and welfare schemes of the Trust activities. More than 100 numbers of plants are grown in our medicinal garden which is utilized for the phytochemical evaluation studies in the research programme. These plants were utilized for more than 500 UG projects. So far we have 209 number of publications in indexed journals out of which 40 papers is related to medicinal plants.

Feedbacks are collected from students, employees, parents, teachers, alumni, academic experts and community to improve the quality of curriculum, teaching, learning, research, infrastructure, employability of students, extension activities and other related fields. The feedbacks are received and necessary steps are taken to improve the quality of the institution. Inculcating value based education to impart spiritual, ethical, moral, social and cultural values via various curricular, co-curricular and extracurricular activities is the characteristic of this distinctive institution.

In conclusion, Adhiparasakthi College of Pharmacy has progress as a model institution of specialized education in Pharmacy to shape holistic youth to our country. Our Students identified 144 families in and around Kancheepuram District for Drugs counseling and service to the peoples by coordination with our Medical College Hospital.

STRENGTH WEAKNESS OPPORTUNITIES CHALLENGES (SWOC) ANALYSIS

STRENGTH

- ❖ The institution is well equipped with modern instruments to carry out UG, PG and Ph.D. programs.
- ❖ All the departments are recruited fully qualified faculty members with sufficient experience as per university, AICTE and PCI norms.
- ❖ The faculties are provided with AICTE pay scales. PF/EPF and gratuity.
- ❖ Faculties are encouraged for doing research leading to the award of Ph.D.
- ❖ Many e-journals are subscribed for doing research and acquiring innovations in Pharmaceutical Drugs/Formulations.
- ❖ Faculties are provided cash award for paper publications and attending seminars etc.
- ❖ The institutions have collaboration with many industries thereby doing many research projects and getting research award.
- ❖ Institution provides consultancy services for collaboration with industries.

WEAKNESS

- ❖ Admission in PG programs are declined since 2009-2010.
- ❖ The institutions requires and seeking attention for collaborative research work as a part of outsourcing with industries from abroad.
- ❖ Numbers of the students are from most backward area and slow learners

OPPORTINITIES

- ❖ Institution aims to be identified for its excellence in research.
- ❖ Inter disciplinary research centre may be established.
- ❖ All the departments have equally treated to have adequate facilities.

CHALLENGES

- ❖ Encouraging all faculties and students to involve in consultancy services and research for acquiring sufficient fund thereby all departments can have sophisticated instruments.
- ❖ Promote 100 % placement and PG admission.
- ❖ University treated all faculties equally while setting question papers; thereby 100 % results are less while comparing 2010.
- ❖ Limited autonomy with reference to syllabus

SECTION B: PREPARATION OF SELF-STUDY REPORT

1. Profile of the Institution

(To provide information whichever is relevant to the HSI)

1. Name and Address of the Institution:

Name:	Adhiparasakthi College of Pharmacy Melmaruvathur		
Address:	Kancheepuram District		
City: Melmaruvathur	Pin: 603 319	State: Tamilnadu	
Website: www.apcp.in			

2. For communication:

Designation	Name	Telephone with STD code	Mobile No	Fax. No	Email
Vice Chancellor	-----	-----	-----	-----	-----
Pro Vice Chancellor (s)	-----	-----	-----	-----	-----
Registrar	-----	-----	-----	-----	-----
Principal	Dr.T.Vetrichelvan	O:04427529093 R:04362255251	9443010858	044 27529196	vetrisel@ yahoo.com
Vice Principal	-----	-----	-----	-----	-----
Steering committee / IQAC Coordinator	Dr.S.Shanmugam	O:04427529093 R:	9443786346	044 27529196	shanmugam. saravanabhavan @yahoo.com

3. Status of the Institution: Affiliated College

4. Type of University: Not Applicable

Unitary	-----
Affiliating	-----

5. Type of College:

Ayurveda	-----
Dentistry	-----
Homoeopathy	-----
Medicine	-----
Nursing	-----
Pharmacy	<input checked="" type="checkbox"/>
Physiotherapy	-----
Siddha	-----
Unani	-----
Yoga and Naturopathy	-----
Others (specify and provide details)	-----

6. Source of funding:

Central Government	-----
State Government	-----
Grant-in-aid	-----
Self-financing	<input checked="" type="checkbox"/>
Trust	<input checked="" type="checkbox"/>
Corporate	-----
Any other (specify)	-----

7. a. Date of establishment of the institution: 07/03/1993

b. In the case of university, prior to the establishment of the university, was it a/an:

Not Applicable

i. Autonomous College	Yes <input type="checkbox"/>		No <input type="checkbox"/>
ii. Constituent College	Yes <input type="checkbox"/>		No <input type="checkbox"/>
iii. Affiliated College	Yes <input type="checkbox"/>		No <input type="checkbox"/>
iv. PG Centre	Yes <input type="checkbox"/>		No <input type="checkbox"/>
v. De novo institution	Yes <input type="checkbox"/>		No <input type="checkbox"/>
vi. Any other (specify)		

c. In the case of college, university to which it is affiliated

The Tamilnadu Dr.M.G.R. Medical University

8. State the vision and the mission of the institution.

VISION

1. To mould youth to combat changing challenges and to serve global community, with professional competence and spiritual commitment to excellence.
2. Advance learning and knowledge by teaching, research and by extension programmes so as to enable a student to obtain advantages of pharmacy education.
3. To provide the right kind of leadership in all ambles of life.

MISSION

To provide quality, value-based and career-oriented education to students, especially rural young men and women, who will be the agents of societal transformation and global development through their selfless and spiritual service.

9. a. Details of UGC recognition / subsequent recognition (if applicable):

Under Section	Date, Month and Year (dd/mm/yyyy)	Remarks (If any)
i. 2(f)*	Not Applicable	Applied
ii. 12B*	Not Applicable	-----
iii. 3*	Not Applicable	-----

* Enclose the certificate of recognition, if applicable

b. Details of recognition/approval by statutory/regulatory bodies other than UGC (MCI, DCI, PCI, INC, RCI, AYUSH, AICTE, etc.)

Under Section/clause	Recognition/ Approval details institution/ Department Programme	Day, Month and Year (dd/mm/yyyy)	Validity	Program/ Institution	Remarks
i. PCI	Ref.No. 32-123/2013-PCI/21258-60	13/08/2013	2015-16	B.Pharm.	Enclosed
ii. AICTE	Ref.No.southern/1 - 2453629100/ 2015/ EOA	07/04/2015	2015-16	B.Pharm. & M.Pharm.	Enclosed

10. Has the institution been recognized for its outstanding performance by any national / international agency such as DSIR, DBT, ICMR, UGC-SAP, AYUSH, WHO, UNESCO, etc.?

Yes No

If yes, name of the agency
 date of recognition: (dd/mm/yyyy)
 nature of recognition

11. Does the institution have off-campus centres?

Yes No

If yes, date of establishment : (dd/mm/yyyy)

date of recognition by relevant statutory body/ies: (dd/mm/yyyy)

12. Does the institution have off-shore campuses?

Yes No

If yes, date of establishment: (dd/mm/yyyy)

Date of recognition by relevant statutory body/ies: (dd/mm/yyyy)

13. Location of the campus and area:

	Location *	Campus area in acres	Built up area in sq. mts.
i. Main campus area	Rural	7 acres	6945 sq.mts.
ii. Other campuses in the country	-----	-----	-----
iii. Campuses abroad	-----	-----	-----

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, any other (specify))

If the institution has more than one campus, it may submit a consolidated self-study report reflecting the activities of all the campuses.

14. Number of affiliated / constituent institutions in the university: Not Applicable

Types of institutions	Total	Permanent	Temporary
Ayurveda	-----	-----	-----
Dentistry	-----	-----	-----
Homoeopathy	-----	-----	-----
Medicine	-----	-----	-----
Nursing	-----	-----	-----
Pharmacy	-----	-----	-----
Physiotherapy	-----	-----	-----
Siddha	-----	-----	-----
Unani	-----	-----	-----
Yoga and Naturopathy	-----	-----	-----
Others (specify and provide details)	-----	-----	-----

15. Does the University Act provide for conferment of autonomy to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Yes No Number

16. **Furnish the following information:** Not Applicable

Particulars	Number
a. Accredited colleges by any professional body/ies	-----
b. Accredited course / department by any professional body/ies	-----
c. Affiliated colleges	-----
d. Autonomous colleges	-----
e. Colleges with Postgraduate Departments	-----
f. Colleges with Research Departments	-----
g. Constituent colleges	-----
h. University Departments	-----
Undergraduate Post graduate	
Research centres on the campus and on other campuses	
i. University recognized Research Institutes/Centres	-----

17. **Does the institution conform to the specification of Degrees as enlisted by the UGC?**

Yes No

If the institution uses any other nomenclatures, specify.

18. **Academic programs offered and student enrolment: (Enclose the list of academic programs offered and approval / recognition details issued by the statutory body governing the program)**

Programs	Number of Programs	Sanctioned strength	Number of students enrolled
UG	01(B.Pharm.)	240(4 Years)	225(4 Years)
PG	03(M.Pharm.) 1.Pharmaceutical Analysis 2. Pharmaceutics 3.Pharmaceutical Chemistry	46 (2 Years)	7 (2 Years)
DNB	-----	-----	-----
Integrated Masters	-----	-----	-----
Integrated Ph.D.	-----	-----	-----
PharmD.	-----	-----	-----
M.Phil.	-----	-----	-----
Ph.D.	01	06	03
Certificate	-----	-----	-----
Diploma	-----	-----	-----
PG Diploma	-----	-----	-----
D.M. / M.Ch.	-----	-----	-----
Sub / Super specialty Fellowship	-----	-----	-----

Programs	Number of Programs	Sanctioned strength	Number of students enrolled
Any other (specify)	-----	-----	-----
Total	-----	-----	-----

19. Provide information on the following general facilities (campus-wise):

- Auditorium/seminar complex with infrastructural facilities Yes No

- Sports facilities
 - * Outdoor Yes No
 - * Indoor Yes No

- Residential facilities for faculty and non-teaching staff Yes No

- Cafeteria Yes No

- Health centre
 - * First aid facility Yes No
 - * Outpatient facility Yes No
 - * Inpatient facility Yes No
 - * Ambulance facility Yes No
 - * Emergency care facility Yes No
 - * Health centre staff
 - Qualified Doctor Full time Part-time
 - Qualified Nurse Full time Part-time

- Facilities like banking, post office, book shops, etc. Yes No

- Transport facilities to cater to the needs of the students and staff Yes No

- Facilities for persons with disabilities Yes No

- Animal house Yes No

- Incinerator for laboratories Yes No

- Power house Yes No

- Fire safety measures Yes No

- Waste management facility, particularly bio-hazardous waste Yes No

- Potable water and water treatment Yes No
- Any other facility (specify).

20. Working days / teaching days during the past four academic years

	Working days				Teaching days			
Number stipulated by the Regulatory Authority	180	180	180	180	180	180	180	180
Number by the Institution	272	284	255	251	231	243	214	210

(‘Teaching days’ means days on which classes/clinics were held. Examination days are not to be included.)

21. Has the institution been reviewed or audited by any regulatory authority? If so, furnish copy of the report and action taken there upon (last four years).

Not Applicable

22. Number of positions in the institution

Positions	Teaching faculty						Non-teaching staff	Technical staff
	Professor	Associate Professor/Reader	Assistant Professor	Lecturer	Tutor /Clinical Instructor	Senior Resident		
Sanctioned by the Government Recruited Yet to recruit								
Sanctioned by the Management/ Society or other authorized bodies Recruited Yet to recruit	05	05	15				14	06
Stipulated by the regulatory authority Cadre ratio Recruited Yet to recruit								
Number of persons working on contract basis								

23. Qualifications of the teaching staff

Highest Qualification	Professor		Associate Professor/Reader		Assistant Professor		Lecturer		Tutor /Clinical Instructor		Senior Resident	
	M	F	M	F	M	F	M	F	M	F	M	F
Permanent teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/ M.D./ M.S.	2	3	1	1	1	1						
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)			3	0	5	8						
AB/FRCS/FRCP/ MRCP/MRCS/ FDSRCS												
M.Phil.								1				
UG												
Temporary teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/M.D./ M.S.												
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FDSRCS												
M.Phil.												
UG												
Contractual teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/M.D./ M.S.												
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FDSRCS												
M.Phil.												
UG												
Part-time teachers												
D.M./ M.Ch.												
Ph.D./D.Sc./D.Litt/M.D./ M.S.												
PG (M.Pharm./ PharmD, DNB, M.Sc., MDS., MPT, MPH, MHA)												
AB/FRCS/FRCP/ MRCP/MRCS/FDSRCS												
M.Phil.												
UG												

24. Emeritus, Adjunct and Visiting Professors.

	Emeritus		Adjunct		Visiting	
	M	F	M	F	M	F

Number	-----	-----	-----	-----	5	-----
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25. Distinguished Chairs instituted:

Department	Chairs
-----	-----

26. Hostel

- * Boy's hostel
 - i. Number of hostels : 01
 - ii. Number of inmates : 35
 - iii. Facilities: Available with Wi-Fi connection and providing RO water
- * Girl's hostel
 - i. Number of hostels : 01
 - ii. Number of inmates : 68
 - iii. Facilities: Available with Wi-Fi connection, Gym and providing RO Water
- * Overseas students hostel : Not Applicable
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities
- * Hostel for interns : Not Applicable
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities
- * PG Hostel : PG students are staying in boys and girls hostel
 - i. Number of hostels
 - ii. Number of inmates
 - iii. Facilities

27. Students enrolled in the institution during the current academic year, with the following details:

Students	UG		PG				Integrated Masters	M.Phil	Ph.D.		Integrated Ph.D.
	*M	*F	PG		*M *F	*M *F			*M	*F	
			*M	*F			*M *F	*M *F			
From the state where the institution is located	105	120	4	3	-----	-----	-----	-----	01	02	-----
From other states	-----	-----	----	--	-----	-----	-----	-----	----	----	-----
NRI students	-----	-----	----	--	-----	-----	-----	-----	----	----	-----
Foreign students	-----	-----	----	--	-----	-----	-----	-----	----	----	-----
Total	-----	-----	----	--	-----	-----	-----	-----	----	----	-----

*M-Male *F-Female

28. Health Professional Education Unit / Cell / Department: Not Applicable

- Year of establishment
- Number of continuing education programs conducted (with duration)

- * Induction
- * Orientation
- * Refresher
- * Post Graduate

29. Does the university offer Distance Education Programs (DEP)?

Yes No

If yes, indicate the number of programs offered.

Are they recognized by the Distance Education Council?

30. Is the institution applying for Accreditation or Re-Assessment?

Accreditation Re-Assessment

Cycle 1 Cycle 2 Cycle 3 Cycle 4

31. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4)

Cycle 1: 16/09/2011, Accreditation outcome/Result **Accredited with CGPA of 2.74 on four point scale at "B" Grade.**

* Enclose copy of accreditation certificate(s) and peer team report(s)

32. Does the university provide the list of accredited institutions under its jurisdiction on its website? Provide details of the number of accredited affiliated / constituent / autonomous colleges under the university. Not Applicable

33. Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Reports (AQAR).

IQAC 19/10/2009

AQAR (i) 24/08/2015

(ii) 07/08/2014

(iii) 22/07/2013

(iv) 30/04/2012

34. Any other relevant data, the institution would like to include (not exceeding one page).

- The institution has been approved by PCI and AICTE New Delhi and affiliated by The Tamilnadu Dr.M.G.R. Medical University, Chennai.
- Receives fund from University Research Grants (The Tamil Nadu Dr. M.G.R. Medical University for research projects), Conducted National level Seminars (Sponsored by ICMR, Tamilnadu Pharmacy Council and Co-Sponsored by The TamilNadu Dr. M.G.R. Medical University etc.) Conferences & Workshops.

2. Criteria-wise Inputs

CRITERION I: CURRICULAR ASPECTS

1.1 CURRICULUM PLANNING, DESIGN and DEVELOPMENT

The Pharmacy curriculum, designed and developed by The Tamil Nadu Dr. M.G.R. Medical University (TNMGRMU), Chennai is tailored by Adhiparasakthi College of Pharmacy as it is an affiliated college.

1.1.1 Does the institution have clearly stated goals and objectives for its educational program?

Yes. Our institution has clearly affirmed goals and objectives and the mission and vision statements are written below.

VISION

- To mould youth to combat changing challenges and to serve global community, with professional competence and spiritual commitment to excellence.
- Advance learning and knowledge by teaching, research and by extension programmes so as to enable a student to obtain advantages of pharmacy education.
- To provide the right kind of leadership in all ambles of life.

MISSION

- To provide quality, value-based and career-oriented education to students, especially rural young men and women, who will be the agents of societal transformation and global development through their selfless and spiritual service.

The Mission and Vision are published at

- **College website** <http://www.apcp.in>
- **Curriculum books (Academic Calendar)**

1.1.2 How are the institutional goals and objectives reflected in the academic programs of the institution?

- Achieving quality and excellence in Pharmacy education.
- To create center for merit with a purpose of knowledge creation and knowledge distribution encouragement on research in key areas of Pharmacy.
- Revelation and guidance of students to industrial need.
- To encourage the students to attend the seminars, conferences, and campus recruitments etc to improve their skills.
- To boost rural men and women who need educational opportunities to mould their career in a best way.

1.1.3 Does the institution follow a systematic process in the design, development and revision of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

Adhiparasakthi College of Pharmacy has been performing very huge role in curriculum designing and revision. The affiliating University, TNMGRMU, is responsible for curriculum design at both UG and PG levels.

1.1.4 How does the curriculum design and development meet the following requirements?

- * **Community needs**
 - The community requirements are met from the point of view of Hospital Pharmacy, Pharmaceutical Technology, Clinical Pharmacy and Pharmaceutical Jurisprudence, by giving efficient practical skills and NSS activities.
 - Also, NSS plays an important role in our academic activity which organizes yearly once camp, health camps, blood donation camps and so on.
- * **Professional skills and competencies-** An industrial visit in Third year B Pharm and industrial/hospital training in final year B.Pharm to upgrade their professional skills.
- * **Research in thrust / emerging areas-** The curriculum is planned in a way that all the students will be working in a dissertation of Final year B.Pharm project and Final Year M Pharm research work. The projects are evaluated by the external examiners. The Research Committee of the college monitors the research activities and assures that the research has been conducted in the promising areas.
- * **Innovation-** M.Pharm and Ph.D research projects have been published in reputed journals because of the innovation component in them and several research grants have been received.
- * **Employability-** In our class room as well as practical, our students are prepared to understand and attach with the applications of the concepts. This type of coaching will enhance their professional skills. We conducts campus placement every year in the field of Production Chemist, Quality control chemist, Medical representative and Hospital Pharmacist etc.
- * **Impact – Students opted for job in the following areas:**
 - Production and Manufacturing
 - Quality control and Quality Assurance.
 - Formulation and Analytical Method Development
 - Regulatory Affairs
 - Professional Service and Marketing
 - Academic and Research
 - Hospital and Community Pharmacy
 - Entrepreneurship

1.1.5 To what extent does the institution use the guidelines of the regulatory bodies for

developing and/or restructuring the curricula? Has the institution been instrumental in leading any curricular reform which has created a national impact?

Our institution is affiliated to The TamilNadu Dr.M.G.R Medical University. Though, our institution strictly follows the regulatory guidelines of the AICTE, PCI and The TamilNadu Dr.M.G.R Medical University by the way to running of Pharmacy program in the college. The institution adheres to curriculum prescribed by University and PCI; therefore we are not proficient to make any curricular reforms of national impact. However within University at state level we contribute modifications and development in curriculum through Board of Studies in Pharmacy.

The Institute has created a national impact through student's achievements.

- Students qualified in GPAT Examination.
- Students excelled in Intercollege Competition.
- Students opted for higher studies at various National and International Institutions.
- Students got research awards for PG Projects.

1.1.6 Does the institution interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the institution benefitted through interactions with the stakeholders?

- Yes. Our institution has been interacted with industry and research bodies and the civil society in the curriculum revision process.
- In addition to this, Institution has taken curriculum feedback from stakeholders viz. Students, Alumni and Industry at Graduate, Postgraduate and Ph.D.
- As part of this program important personality from the pharmaceutical industry are occasionally visited to interact with our students.
- We have also formed Research Advisory Board to uphold research activities within the institution. The function of the board is to provide advice as well as review grant applications submitted by faculty to organizations like CSIR, DRDO and ICMR and scrutinize these applications to improve their chances for getting approval from the sanctioning authorities.
- Our Institution has provided hands on training while handling sophisticated instruments and equipments such as HPLC, UV, FTIR, Dissolution Apparatus, Rotary Punching Machine, Piethysmometer etc.
- Our Institution has also conducted number of Workshops/ Training through Industry Institute Partnership cell.

1.1.7 How are the global trends in health science education reflected in the curriculum?

- Curriculum subjects like hospital and community Pharmacy, clinical pharmacy and pharmacology are incorporated. These subjects supplies information about the rationale behind selection of drug, and patient counseling, pharmacology subject brings information about therapeutic uses and side effects of drugs.
- In addition, some topics included in B.Pharm syllabus are standardization of herbal drugs, Biotechnology, GMP, GLP, ISO, Preformulation study, recent trends in instrumentation etc. These topics teach all aspects to the students that are related to global trends in health science. Forensic Pharmacy subject is also included in syllabus that gives thought about regulatory aspects in Pharmacy especially the laws related to Pharmacy.

1.1.8 Give details of how the institution facilitates the introduction of new programs of studies in its affiliated colleges.

Adhiparasakthi College of Pharmacy is an affiliated institution and does not have any affiliated institutions under its jurisdiction.

1.1.9 Does the institution provide additional skill-oriented programs relevant to regional needs?

Yes. Our Institution provides additional skill-oriented programs relevant to regional needs as given below:

S.No.	Skill Oriented Programs	Organization / Institute
1.	Training in Analytical Instrumentation	Spinco Biotech
2.	Nanoparticulate Formulations	Madras Medical College

1.1.10 Explain the initiatives of the institution in the following areas:

- ❖ **Behavioral and Social Science-** NSS unit of the college orients students towards their social responsibilities. Ethics, social and family values are emphasized and conveyed through guest lectures.
- ❖ **Medical Ethics / Bio Ethics / Nursing Ethics-** Workshops are conducted by the Adhiparasakthi Medical College. Faculty will attend the workshop.
- ❖ **Practice Management towards curriculum and/or services-** Academic calendar of events prepares the staff as well as students for effective completion of the curriculum with perfect time management.
- ❖ **Orientation to research-** Our institution encourages the students to participate in Seminars and research projects. Our student also presents their papers in the Conferences and seminar.
- ❖ **Rehabilitation-** Available.
- ❖ **Ancient scriptural practices-** Nil
- ❖ **Health Economics-** B Pharm Syllabus has the Pharmacy Practice Subject which gives exposure to our students.
- ❖ **Medico legal issues-** No.
- ❖ **Enhancement of quality of services and consumer satisfaction-** The feedback collected from the parents during PTA meet and their personal visits to the college and during Fresher's Day and desire along with their suggestions in the tear off slips of progress reports form the basis for improvement of our services.

1.1.11 How does the institution ensure that evidence based medicine and clinical practice guidelines are adopted to guide patient care wherever possible?

Our institution comes under pharmacy discipline so there is no direct clinical involvement but under the banner of Institutional Ethical committee, institution regulates the conduction of various clinical trials according to guidelines of Good Clinical Practice (GCP) and proper care was taken as per the guideline. Furthermore,

any problem related to patient care during the clinical studies is taken care of under the guidance of doctors.

1.1.12 What are the newly introduced value added programs and how are they related to the internship programs?

The value added programs have integrated seminars with the participation of the B.Pharm students of final year & M.Pharm students. Other activities like Entrepreneurship workshop, Placement activities through campus and other than campus recruitment, Industrial visits and training, this will help the students to update the knowledge of Pharmacy and interrelate their curricular knowledge with the industry visit.

1.1.13 How does the institution contribute to the development of integrated learning methods and Integrated Health Care Management?

- ❖ **Vertical and horizontal integration of subjects taught-** In the past, they were studied the basic subjects related to Pharmacy and Drug Development. At present, they are studying subjects like Medicinal Chemistry, Pharmacology, and Formulations related to curriculum.
- ❖ **Integration of subjects taught with their clinical application-** In the curriculum, the students will collect the medical records of the patients to understand the clinical application of the subject.
- ❖ **Integration of different systems of health care (Ayurveda, Yoga, Unani, Homeopathy, etc.) in the teaching hospital-** Nil

1.1.14 How is compatibility of programs with goals and objectives achieved with particular reference to priority of interface between Public Health, Medical Practice and Medical Education?

The goals and objectives of curriculum are related to public health;
The pharmacists have the responsibility to assist the physician in reducing medical errors and maintain patient safety and provide utmost care of the patients and positive health care system under profession of Pharmacy.

1.2 ACADEMIC FLEXIBILITY

1.2.1 Furnish the inventory for the following:

* **Programs offered on campus - B.Pharm, M.Pharm and Ph.D.**

S.No.	Courses Offered	Year of starting	Intake	Increased Intake
1.	B.Pharm.	1993	60	Nil(60)
2.	M.Pharm.			
	Pharmaceutical Analysis	2003	06	18
	Pharmaceutics	2008	10	18
	Pharmaceutical Chemistry	2009	10	Nil(10)

- * **Overseas programs offered on campus** - No
- * **Programs available for colleges/students to choose from** - B Pharm, B.Pharm (lateral entry after Diploma), M Pharm (Pharmaceutics, Pharmaceutical Analysis, and Pharmaceutical Chemistry) and Ph.D.

1.2.2 Give details on the following provisions with reference to academic flexibility

- a. **Core options** - Pharmaceutical Sciences
- b. **Elective options** - B.Pharm - Nil, M.Pharm - 03 branches.
- c. **Bridge course** - First year B.Pharm students provide details regarding pharmacy profession, core pharmacy subjects and their scope, and career opportunities in the field of pharmaceutical sciences.
- d. **Enrichment courses** - Hands on training while handling of sophisticated instruments and equipments like HPLC, Spray dryer, Autoanalyzer, and Plethysmometer etc.
- e. **Credit accumulation and transfer facility** - Not Applicable
- f. **Courses offered in modular form** - Training in Analytical Instrumentation.
- g. **Lateral and vertical mobility within and across programs, courses and disciplines and between higher education institutions:**

S.No.	Program	Mobility criteria across programs
Lateral Mobility		
1.	B.Pharm	D.Pharm to Lateral Entry
Vertical Mobility		
2.	B.Pharm	B.Pharm to M.Pharm
3.	M.Pharm	M.Pharm to Ph.D.
4.	Ph.D.	Post Doctoral Studies

- h. **Twinning programs** - NA
- i. **Dual degree programs** - NA

1.2.3 Does the institution have an explicit policy and strategy for attracting students from

- * **Other states** - Yes, Students from other states were admitted.
- * **Socially and financially backward sections** - As per the Government norms, seats are reserved for socially and financially backward students. our institution is also arranging SC/ST & BC/MBC scholarship and First graduate scholarship for socially and financially backward students.
- * **international students** - Nil.

1.2.4 Does the institution offer self-financing programs? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programs?

Admission: Students are admitted through Tamilnadu Government by merit basis.

Fee Structure: The fee collected for different program is as per the guidelines given

by the TN Government for private colleges.

Teacher Qualification: Teachers are appointed based on the qualification criteria given by PCI, AICTE, and University.

Salary: Our management is given basic salary to the faculties as per the AICTE norms.

1.2.5 Has the institution adopted the Choice Based Credit System (CBCS) / credit based system? If yes, for how many programs? What efforts have been made by the institution to encourage the introduction of CBCS in its affiliated colleges?

Not Applicable

1.2.6 What percentage of programs offered by the institution follows:

The entire programs were offered by the institution follows Annual system.

1.2.7 How does the institution promote multi/inter-disciplinary programs? Name a few programs and comment on their outcome.

- The UG/ PG/ Ph. D. students are undertaking research projects as a part curriculum.
- Students are provided an opportunity to work on research projects with multidisciplinary/interdisciplinary approach by involving in various departments.

1.2.8 What programs are offered for practicing health professionals for skills training and career advancement?

Institute has initiated Guest lectures by inviting experts from specialized area in the field of Pharmacy to share their knowledge and expertise on skill upgradation and career advancement.

1.3 CURRICULUM ENRICHMENT

1.3.1 How often is the curriculum of the institution reviewed and upgraded for making it socially relevant and/or skill oriented / knowledge intensive and meeting the emerging needs of students and other stakeholders?

The Board of Studies for Pharmacy at The Tamilnadu Dr.M.G.R. Medical University meets twice in a year to review the syllabus as per the changing requirements and induce a change in the syllabus once in five years.

To upgrade the technical skills institute provides Hands on training of sophisticated instruments, Organizes Industrial visits, Hospital visit, Guest lectures of eminent personalities of academia and industry.

1.3.2 During the last four years, how many new programs were introduced at the UG and PG levels? Give details.

Nil

1.3.3 What are the strategies adopted for the revision of the existing programs? What percentage of courses underwent a syllabus revision?

Minor change has been done. Pharmacognosy syllabus for B.Pharm. as of the 47th Standing Academic Board meeting held in June 2014 of the The Tamilnadu Dr.M.G.R. Medical University.

1.3.4 What are the value-added courses offered by the institution and how does the institution ensure that all students have access to them?

Diploma in Pharmacy Course will be started shortly.

1.3.5 Has the institution introduced skills development programs in consonance with the national health programs?

We have conducted seminars by appealing reputed personalities from Pharmaceutical industries.

The institute has taken following initiatives in consonance with national health awareness program as given below:

- Blood sugar detection camp
- Displays information on wall space to create awareness among students on Cancer, Tuberculosis and AIDS.
- Encouraging the students to create awareness in the society by organizing rallies in issues like AIDS, Dengue fever awareness etc.

1.3.6 How does the institution incorporate the aspects of overall personality development addressing physical, mental, emotional and spiritual well being of the student?

Physical well being is developed by sports and athletic meets. College has indoor and outdoor facilities for regular sports activities.

Hostel is attached with gym which facilitates the physical fitness for students.

Mental well being is obtained by Mentor system, Yoga and Meditation.

Emotional well being Through organizing Guest lectures, Motivational speech of eminent personalities.

Spiritual well being By celebrating Amma's Birthday, Ganesha Festival etc.

1.3.7 Does the curriculum provide for adequate emphasis on patient safety, confidentiality, rights and education?

Yes, the curriculum includes them in certain subjects of B. Pharm & M. Pharm, which emphasizes on patient safety, confidentiality, rights and education.

1.3.8 Does the curriculum cover additional value systems?

Yes.

- Providing importance for students discipline and punctuality.
- Orientation for freshers.
- Sending way to SMS to the parents about student's attendance.
- Parents are advised to meet the principal and subject In-charge for knowing the academic performance of their daughter/son.
- NSS activities.
- Various modes for the enrichment of curriculum are

Hospital Visit, Communication skill developments, In house training/ Workshop, Field work, Industrial visit, Learning with multimedia, Research Aptitude, Seminars/ Guest lectures, Conferences, Student Council, Psychometric Analysis etc.

1.4 FEEDBACK SYSTEM

1.4.1 Does the institution have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

Yes. Our institution has a formal mechanism to obtain feedback from students regarding the curriculum. This feedback is kept at the office. Based on the feedback, the suggestions are communicated to the University by participating in the workshops for curriculum framing.

1.4.2 Does the institution elicit feedback on the curriculum from national and international faculty? If yes, specify a few methods such as conducting webinars, workshops, online discussions, etc. and their impact.

Our institution does not have any national and international faculty.

1.4.3 Specify the mechanism through which affiliated institutions give feedback on curriculum and the extent to which it is made use of.

The Tamilnadu Dr.M.G.R. Medical University performs curriculum design and development, namely need base assessment, demand of society, analysis from stakeholders and guidelines of regulatory authorities. The university conducts the curriculum development workshops once in five years where affiliated institutes faculty members participate to give their feedback regarding curriculum. Based on their suggestion the members of BOS design the curriculum of each subject, followed by the implementation of curriculum through the University.

1.4.4 Based on feedback, what are the quality sustenance and quality enhancement measures undertaken by the institution in ensuring the effective development of the curricula?

The feedback obtained by various quarters is united together for a thorough discussion, department wise.

The quality sustenance and enhancement measures are monitored by the performance of our students in various competitive exams and placements.

1.4.5 What mechanisms are adopted by the management of the institution to obtain adequate information and feedback from faculty, students, patients, parents, industry, hospitals, general public, employers, alumni and interns, etc. and review the activities of the institution?

Our management effectively collects feedback from faculty, students, patients and parents. This feedback (oral as well as written) helps us to improve the infrastructure, approach to learning and evaluation process, and curriculum development.

- **Faculty:** Heads of the department takes feedback about the overall performance or any improvement of the faculty through the personal interaction with the students as well as head of the departments.
- **Students:** Feedback is obtained from the students in an academic year about the faculty, institute, and innovative practices.

- **Parents:** Institute takes **parent meet twice in** every academic year and collects feedback from the parents about their ward's performance, as well as overall performance of the institution.
- **Industry:** Through **IIPC meeting** institute takes inputs from the experts of IIPC about the overall enrichment of the curriculum etc.,
- **Hospitals:** Feedback is informally obtained from the hospital through Opinions from our MAPIMS Hospital.
- **General public:** Informally through opinions, expressions and comments give their suggestions for the further development of the curriculum.
- **Employers:** Institute takes feedback of employers in the form of employer feedback form to get information on the quality of education and graduate outcomes provided by the institute.
- **Alumni:** Institute has constituted alumni association, which conducts the alumni meet every year and based on the feedback, the faculties from the institute communicate the University for the Design of curriculum.

CRITERION II: TEACHING-LEARNING AND EVALUATION

2.1 STUDENT ENROLMENT and PROFILE

2.1.1 How does the institution ensure publicity and transparency in the admission process?

Admission Process for B.Pharm. and M.Pharm. will be announced by the Directorate of Medical Education (DME) Government of Tamil Nadu the seats at B.Pharm. is shared in the ratio of 65:35, Management : Government and Tamil Nadu Private Professional Colleges Association- Health Sciences every year in the month of June/July. Interested candidates can apply for single window counseling. Based on the merit, the candidates are called for B.Pharm admissions. Transparency of the admissions has been maintained through publication of merit list in the respective web pages (www.tnhealth.org and www.tnppcahs.org) and dailies.

Similarly, for admissions to M.Pharm a separate entrance examination is conducted by the DME and Tamil Nadu Private Professional Colleges Association - Health Sciences for admission through government and management quota respectively. Based on scorings, merit list is prepared and published in the web page for admissions.

Awareness lectures are conducted by our staff members for 10+2 students. The Fresher's day is coupled with a pharmacy exhibition which offers the right platform for bringing awareness among general public regarding pharmacy profession.

2.1.2 Explain in detail the process of admission put in place by the institution. List the criteria for admission: (e.g.: (i) merit, (ii) merit with entrance test, (iii) merit, entrance test, aptitude and interview, (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria (specify).

□□□□□The admission criteria for B.Pharm. and M.Pharm., are based on merit. In B.Pharm. 65% is filled by Government quota and the remaining 35% by Management quota. Government quota is filled by the Director of Medical Education, Tamil Nadu Government through single window counseling according to the merit of the candidate. Similarly, Management quota is filled by the Association of Private Professional Colleges of Tamil Nadu. Based on the received applications, the merit list is prepared and admissions are given.

M.Pharm. admissions are made by conducting common entrance test. The test will be conducted by either the Tamil Nadu State Government (DME) or through the Tamil Nadu Private Professional Colleges Association- Health Sciences, Chennai. GPAT qualified students are also admitted to the M. Pharm provided they qualified either of the above exams.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

Not Applicable

2.1.4 Does the institution have a mechanism to review its admission process and student profile annually? If yes, what is the outcome of such an analysis and how has it contributed to the improvement of the process?

The admission Framing Committee review the admission process and the findings are presented by the Head of the institution at the Strategic Initiative Forum of Adhiparasakthi Educational Institutions. The review includes the minimum and maximum marks of the admitted students, their variety, gender ratio and any shortcomings. After discussions with the management the issues are addressed in the next round of admissions. The reason for taking admissions at Adhiparasakthi Educational Institutions are collected from the students and parents and taken into account in the review process.

2.1.5 What are the strategies adopted to increase / improve access for students belonging to the following categories:

*** SC/ST**

English coaching classes are conducted for SC/ST students to speak, read and writing the English easy manner and Government awards them various scholarships and also providing Books from Library Book Bank.

*** OBC**

Also conducting the English coaching classes for OBC students to speak, read and writing the English in easy manner and Government awards them various scholarships.

*** Women**

The most care has been taken to grant and secure a safe environment for the girl students. The Women Cell is conducting the program related to avoid Sexual Harassment also being run for the girl students to address various issues pertaining to females. There are separate hostels for girls with female faculty as warden. Also, the women students are admitted in B.Pharm. Course with fee concession as recommended by Adhiparasakthi Women Spiritual Movement.

*** Persons with varied disabilities**

There are no students with varied disabilities at Adhiparasakthi College of Pharmacy. However, special railings and sloped platforms are provided for wheelchair movement. Designated parking area for the disabled has been provided.

*** Economically weaker sections**

The Economically poor students can avail themselves of various scholarships awarded by the Tamil Nadu Government and Management. The Students admitted through management consortium are given fee concession and bank loans are arranged for eligible candidates.

*** Outstanding achievers in sports and other extracurricular activities**

Students with outstanding achievers in sports and extracurricular students are provided with state-of-the-art sports facilities for developing the talents in their fields.

2.1.6 Number of students admitted in the institution in the last four academic years:

Criterion II – Teaching – Learning and Evaluation

Categories	Year 1 (2015-16)		Year 2 (2014-15)		Year 3 (2013-14)		Year 4 (2012-13)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	04	03	08	03	03	04	06	11
ST	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
OBC	25	25	21	27	21	26	17	16
General	01	01	Nil	Nil	Nil	04	02	02
Others	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

2.1.7 Has the university conducted any analysis of demand ratio for the various programs of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase / decrease.

Adhiparasakthi College of Pharmacy is affiliated to Tamil Nadu Dr. M.G.R. Medical University, Chennai. Hence no analytical data on the demand ratio for the courses offered are available. However, the demand for B.Pharm. Program has been found to be high and for M.Pharm. programs it is moderate due to the increase in the number of seats for M.Pharm. by the AICTE. This demand is due to clinical orientation, integrated PG program and also having good employment opportunities across the globe.

2.1.8 Were any programs discontinued/staggered by the institution in the last four years? If yes, specify the reasons.

No

2.2 CATERING TO STUDENT DIVERSITY

2.2.1 Does the institution organize orientation / induction program for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.

Yes - The institution conducts orientation-cum-induction program for the freshers as here under:-

- To induct the newly admitted students into the fields of Pharmaceutical Sciences.
- To brief the students about their course curriculum, role of various committees and other activities
- Development programs that are going to be held during the current academic session.
- To make the students aware of various infrastructure locations facilities available in the institute for effective utilization for their studies.
- To make the students understand the ubiquitous role of communication skills so that they will get ample opportunities to use these skills.
- The orientation program was conducted every year as per the following schedule. It consisted of -
 - Introduction about the Adhiparasakthi College of Pharmacy and affiliating / approval bodies of B.Pharm. and M.Pharm. courses
 - Role of various committees related to the academics activities

- Introduction about various Departments of Adhiparasakthi College of Pharmacy and achievements including extracurricular activities.
- Introduction about communication skills and learning skills – Preparation of class notes, Observation techniques in theory and practical classes.

2.2.2 Does the institution have a mechanism through which the “differential requirements of the student population” are analyzed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?

Yes, the student variety, basic education schooling pattern (state board, CBSE and international schoolings) is analyzed. As our admissions are through the government the differential requirements of the student populations are met. In the management quota the diversity of the student population is maintained by taking students from other states which was reflected in the student variety profile. Further, entry level assessment/ English proficiency/ rural student’s betterment programs/ Orientation program help to assess the student’s any special talents.

2.2.3 How does the institution identify and respond to the learning needs of advanced and slow learners?

The identification of the advanced and slow learners is done by the subject incharge.

Advanced learners: We encourage them to actively participate in the elocution competition, quiz competition, debates, cultural activities and scientific presentations at conferences and seminars. The interested students are also actively involved in the research work in the field of their interest. Special coaching classes for higher education have also been given to them (GPAT).

Slow learners: We arranged special classes for slow learners for perform better in examinations and to improve their understanding on the subject and to have better result. The slow learners will learn under guidance of staffs. The staff will guide and help them and the entire process and they will be monitored by the concerned faculty. Conducting viva-voce during practicals class hours.

Faculty members are available in the departments for consultation with slow learners. Faculties are assigned duty on Saturdays to teach slow learners. An important element in the learning process of slow learners is the peer support that they successfully assess in the library and reading rooms.

2.2.4 Does the institution offer bridge / remedial / add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?

Yes, the institute conducts tutorial classes, remedial classes, add-on courses and modules for GPAT.

2.2.5 Has the institution conducted any study on the academic growth of students from disadvantaged sections of society, economically disadvantaged, differently-abled, etc.? If yes, what are the main findings?

The institution has a built in mechanism to cater the needs of SC/ST as well as economically disadvantaged students. The students are offered assistance through individual counseling and additional teaching. Additional or extra classes are conducted for the students to help them perform better.

Economically weaker students are provided fee concession as well as an opportunity to pay in installments.

2.2.6 Is there a provision to teach the local language to students from other states/countries?

Yes, interested students can learn the language in the Tamil and they will be deputed to Tamil teachers at Adhiparasakthi Group of Schools.

2.2.7 What are the institution's efforts to teach the students moral and ethical values and their citizenship roles?

- The day at the college begins with “thought for the day” displayed on the board.
- The various quotes displayed in the college premises.
- Lectures by eminent persons from Adhiparasakthi Educational Institutions.
- NSS unit provides the platform for recognizing and performing citizenship roles by organizing blood donation, health awareness, blood pressure, Blood sugar, blood group checking and dental care camps on a regular basis.
- The institution's Vision and Mission also emphasize the importance of moral and ethical values and citizenship roles.

2.2.8 Describe details of orientation/ foundation courses which sensitize students to national integration, Constitution of India, art and culture, empathy, women's empowerment, etc.

The yoga classes and training for the teachers help them to efficiently mentor the students in terms of national integration. Constitution of India is thought as a subject to the students. The various competitions held during the Fresher's Day are the platform provided for recognizing and development of Indian art and culture (Rangoli, Facial painting etc). The Women's welfare committee in its regular meetings takes the necessary initiatives for Women's empowerment.

2.2.9 Has the institution incorporated the principles of Life Style Modifications for students based on Eastern approaches in their day to day activities?

The institution follows dress code and the students will come to the class in uniform. The Dress code will make students to realize their true potential. The Indian culture and its significance are emphasized to the students through student council.

2.2.10 Has Yoga/Meditation/any other such techniques been practiced by students regularly as self-discipline?

Yes. Yoga classes are conducted regularly in every year. Interested students are allowed to wear the Sakthi Malai during Thai Poosam Festival by spiritual committee. Guest lectures are organized by persons with spiritual activities.

2.2.11 How does the institution attend to the diverse health issues (physical and mental) of students and staff?

All the students and staff members are having health insurance, an arrangement provided by the management. Our Trust has own Hospital avail to attend the health needs of the students and staffs by Doctors are available in the hostel premises. The psychological counseling service is available for the benefit of Students and staffs for the mental and emotional. In the college premises, the separate the rest room for boys and girls is provided.

2.2.12 Does the institution cater to the needs of groups / individuals requiring special attention by conducting group classes / special individual trainings / focused group discussion / additional training measures etc.?

Yes, Our College has time table containing tutorial hours. Stipulated tutorial hours have been allotted for B.Pharm. Seminar/Workshops/Symposium was organized to improve their skills.

Group class, identification of weak students, special training before and during examination is given to improve their learning process and subject interest. The groups have been conducted with team leaders and monitored by respective subject incharge.

2.3 TEACHING-LEARNING PROCESS

2.3.1 How does the institution plan and organize the teaching-learning and evaluation schedules such as

*** Academic Calendar**

Before the commencement of every academic year, the Academic Calendar is made available for students and staff members. The academic calendar consists of working hours, library timings, computer centre timings, profile of college, details of Governing Council Members and Academic Committee Members, College rules and regulations, attendance and leave rules, rules and regulations of library, hostel rules, scholarship details, various committee details and term exams dates.

*** Master Plan**

The conduct of sports, cultural and other major activities like Graduation day, college day, term examinations are incorporated in the master plan. The master plan also show the vacation period, number of working days, university examination and rules and regulations of the institute as well as affiliating university and council.

*** Teaching Plan**

Teaching, course, and unit plan are the responsibility of each subject teacher.

Criterion II – Teaching – Learning and Evaluation

They have to make the lecture plan for every month covering the topics by submitting lecture plan prior to start the next month class. The same has to be approved by the Principal.

* **Rotation Plan**

Posting of students to Pharmacy running by Trust Hospital and 4th year B.Pharm students are scheduled on a monthly basis, which will be approved by the Principal and passed on to the perusal of the Medical Superintendent for implementation. Teachers are appointed to supervise the effective performance of rotation plan.

* **Course Plan**

The course plan prescribed by The Tamil Nadu Dr. M.G.R. Medical University (TNMMU), Chennai is followed. For each subject, 3 classes /week is to be allotted for theory and 3 hours/ week for practicals, in each year for under graduate courses. For Post graduate courses, each subject is allotted with 3 hours/ week for theory and 3 hours/ week for practicals.

* **Unit Plan**

The day to day happenings are to be submitted by individual teachers to the Principal. So, this ensures complete adherence to the academic schedule without any lapse. Alternate arrangements are to be made if any staff members going on leave.

* **Evaluation Blue Print**

- The pattern of internal and continuous assessment has been entered in the register after completion of every term exams and the progress report of the students sent to their parents. The marks of the internal assessment and marks distribution are provided in the progress report. Similarly the continuous assessment detail has been informed to the students by examination section and announcement through notice board. The evaluation blue print for each subject is available in the respective departments.
- The entire internal assessment examinations are arranged, monitored. This provides the schedule for the conduct of internal assessment examinations at definite intervals.
- In each subject, there is provision for conducting four theory and three practical term examinations. For those who may have missed any sessional examination due to health reason or any other unavoidable circumstances, there is provision for improvement examination.
- Average of best two term examinations is considered for the internal assessment marks in each subject to be forwarded to the University.

* **Outpatient Teaching**

B.Pharm. students to undergo hospital training and patient counseling activities During the hospital training, the students are interact and counsel the out patients about the ailment, drugs prescribed, proper use of the prescribed drugs and their dosage.

* **In-patient Teaching: NA.**

*** Clinical Teaching in other sites**

Clinical teaching for B.Pharm. students are given at rural area in and around the college located at Kesavarayanpet, Pallipet and Kattukudalore.

*** Teaching in the Community**

As part of the curriculum, B Pharm students have been posted in Trust hospital/ community pharmacy to gain valuable experience as well as to inculcate knowledge to the general public. The people of the rural areas are counseled on various communicable diseases, precautions that could be followed to prevent diseases. The students and the faculty members actively participate in these awareness programs.

2.3.2 Does the institution provide course objectives, outlines and schedules at the commencement of the academic session? If yes, how is the effectiveness of the process ensured?

Yes.

B.Pharm. and M.Pharm. Course objectives, outlines and schedules are formulated as per the statutory bodies in accordance to the requirements of The Tamilnadu Dr.M.G.R. Medical University (TNMMU). For each subject, course objectives are outlined in the course plan prepared in the beginning of the academic year. The chapters to be covered are divided into number of lectures; the portion to be covered in each lecture is designated in advance. At the beginning of each class the number of that particular lecture according to the course plan is mentioned. As per the lecture numbers, course files are maintained by individual teachers. On the same lines job cards are maintained for individual practical classes.

2.3.3 Does the institution face any challenges in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.

No.

2.3.4 How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.

- Interactive learning: one to one interaction with teacher in the practical hours followed by assessment of the knowledge by asking viva regularly.
- Participatory learning: The interested students are allowed to make a presentation on a scientific topic of their interest related to the syllabus.
- Group learning: Weak students having difficulty in learning and not able to perform well in the examination are formed into groups of five students each. In each group one student leader, preferably a bright

Criterion II – Teaching – Learning and Evaluation

student has been appointed. Under the supervision of the group leader and subject-in-charge the students are given coaching.

- Apart from regular academic activities, students are also allowed to other fields of science. Emphasis is also given to personality developments and skills.

2.3.5 What is the institution's policy on inviting experts / people of eminence to augment teaching-learning activities?

The institute invites experts from the academia as well as industry to interact with the students. An Industry Institution Interactive Cell is functioning in the college and conducts interactive sessions once in a year. Apart from this, it has been made a policy to conduct one seminar and workshops every year on current topics. During this period eminent people from industry and academia both are called to present their findings.

Category of Guest Lecture	Academic Year			
	2014-2015	2013-2014	2012-2013	2011-2012
Personality and Soft Skills Program	2	1	1	1
Scientific and Educational Resources	9	8	7	8
Social Awareness	2	1	1	2
Career Guidance	5	4	5	4

2.3.6 Does the institution formally encourage learning by using e-learning resources?

Yes, the institution encourages learning through e-learning resources. A state-of-the-art digital library is available and students can access the facility up to 10 pm every day. A designated area in the library with 44 computers is available for e-learning. The students have access to e-books, CD and net facilities in this center.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning and open educational resources used by the faculty for effective teaching?

- Department of Pharmacology computer aided pharmacological screening lab is available for the faculty to teach on drug effects.
- The faculty use video recorded teaching downloaded from web.
- The library is equipped with open access system and adequate books and journals to enrich the knowledge of students and faculty.

- High speed Internet connectivity across the campus enables access of open e-resources, free journals, e-books etc., to the students / faculties.
- Every Department is having adequate number of computers and internet facility, to access and to download online journals and subject matter.
- Seminar Hall with ICT (Information and Communication Technology) facilities is provided to conduct guest lectures, seminars, workshops etc.
- Each class room is provided with LCD facility to facilitate PPTs and audio visual instructions.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the institution's educational processes?

The college permits the faculty to use information available in the open source from reading room. The main sources of information used are Wikipedia, PubMed, Google Scholars, Pub Chem., Protein Data Bank etc., for education and research purpose. There is no separate committee has been appointed for this. However the institution will adapt to the new era of education and information resources.

2.3.9 What steps has the institution taken to transition from traditional classrooms into an e-learning environment?

- The ICT enabled teaching is used by the institute in addition to the traditional classroom teaching.
- Special computer lab with broad-band internet connection has been provided to promote independent learning.
- E-Library resources with respect to journals are provided to access and upgrade the research knowledge by the staff, students and research scholars.
- CD and softwares are being provided to improve the knowledge in research activities.
- To keep them updated with the current research findings, the institutional library provides free access to the journals of Science direct and Delnet.
- Tutorial CDs of various subjects are used to make learning more lucid and easy, computer based software and downloaded materials are used in theory and practical, e.g. CDs and models to teach Structural activity relationship, Human Anatomy, CD for Pharmacology demonstration practical, animated videos for diseases etc.

2.3.10 Is there provision for the services of counselors / mentors/ advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

- Counseling to students is an important feature of the institution. Faculty members are assigned with a fixed number of students (30) right at the time of their joining the program.
- The faculty in turn has periodical meeting with students in order to evaluate their academic performance and proper orientation towards the program as well as guide them to rectify any short comings and to solve any problems.

- A record is maintained for each student where details like
- Personal Information
- Previous Record
- Academic Performance
- Competitive Examination Details
- Details of Hospital and Industrial Trainings
- Scholarships Received
- Co-Curricular and Extra-Curricular activities.
- The mentors meet the students periodically and monitor their performance and their activities. Guidance regarding the lagging issues is provided. Every year parents meeting are also conducted based on the requirement. Each mentor takes up the service of counseling the assigned students for their academic, personal and psycho-social aspects.

2.3.11 Were any innovative teaching approaches/methods/practices adopted and implemented by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

- Usage of ball in stick models in Organic Chemistry.
- Industrial oriented teaching at the second year B.Pharm. level; for Pharmaceutical technology students have scored high marks and pass percentage have improved in this subject.
- Assignments and presentation of the topic selected in an interactive session. This activity helps the students to gain confidence in podium presentation and remove their inhibition and improve the knowledge.
- Conduction of science quiz every year.
- Animal experimentation through simulation for Pharmacology.
- Assessment modules for GPAT.
- In-house training of modern instruments for UG and PG Students.

2.3.12 How does the institution create a culture of instilling and nurturing creativity and scientific temper among the learners?

- Vision – our college annual magazine encourages the students in motivating their creativity and scientific temper. Pharma exhibition encourages scientific temper and helps develop creativity. Health awareness programs through street play, mime and skit are part of the annual cultural event Aspiration.
- Assignment of project work for UG and PG students.
- Hospital visits and assignment of case studies.
- Industrial training and visit.
- Provision of Library and Digital Library facilities.

2.3.13 Does the institution consider student projects mandatory in the learning program? If yes, for how many programs have they been (percentage of total) made mandatory?

Criterion II – Teaching – Learning and Evaluation

Yes, student project is mandatory for learning program as per council and university norms. The UG and PG program have dissertation work. In this, groups of students work on a scientific problem under the supervision of a teacher. In the university examination, the project is graded on B.Pharm. projects. M. Pharm. projects is done for one year and at the end of the year it is evaluated and marks are awarded.

B.Pharm.

- Students carry out project work with a team of 3 or 4 students from the Final year B.Pharm students as part of their curriculum as per The Tamilnadu Dr.M.G.R Medical University.
- Students are allowed to carry out their research work in the campus under the guidance of allotted faculty.

M.Pharm.

- It is mandatory for M.Pharm students of any specialization to carry out a one year project work as a part of their curriculum as per the regulations of The Tamilnadu Dr.M.G.R Medical University.
- M.Pharm students are entertained to perform their project work either in the college or in the industry.

*** Number of projects executed within the institution**

Course	2011-2012	2012-2013	2013-2014	2014-2015
B.Pharm.	03	08	07	09
M.Pharm.				
Pharmaceutical Analysis	17	04	03	Nil
Pharmaceutics	18	14	02	Nil
Pharmaceutical Chemistry	10	01	Nil	Nil

*** Names of external institutions for student project work**

Industries	Role in students project
Medopharm Pvt.Ltd,Chennai	A Validated Estimation of Ibuprofen and Famotidine In Pure And In Dosage Form by UV Spectrophotometry and RP-HPLC
Richer Health Care-Hyderabad	Formulation and In-Vitro Evaluation of Mebeverine Hydrochloride Colon Targeted Micropellets for the Treatment of Irritable Bowel Syndrome. Formulation and In-Vitro Evaluation of Atorvastatin Calcium Immediate Release Pellets

Criterion II – Teaching – Learning and Evaluation

Bonn Schtering Bio-Sciences- Puducherry	A Validated Simultaneous Estimation of Metoprolol Succinate and Telmisartan In Pure, Pharmaceuticals and In Biological Sample by UV Spectrophotometry, Rp-HPLC And HPTLC Method
Mylan Laboratories Ltd- Andhra	Development and Validation of RP-HPLC Method for the Estimation of Febuxostat Related Substances in Bulk and Formulation
Aurobindo Pharma Ltd - Hyderabad	Development and Validation of Analytical Methods for the Estimation Zileuton in Bulk and in Pharmaceutical Dosage Form by UV Spectroscopy And RP-HPLC Process Development and Optimization of Zolpidem Tartrate Tablets by Moisture Activated Dry Granulation Techniques.
Granules India Ltd - Hyderabad	To Study and To Evaluate The Requirements Required to Propose an Alternate API for an Approved Drug Product Product in USFDA
Natco Pharma Ltd - Hyderabad	Formulation and Evaluation of Sorafenib Tosylate Immediate Release Tablets Formulation and In-Vitro Evaluation of Tenofovir Disoproxil Fumarate Immediate Release Tablets Analytical Method Development and Validation for the Estimation Capecitabine In Bulk and Pharmaceutical Formulation
Finoso Pharma Pvt Ltd-Andhra	Analytical Method Development and Validation of Assay Method for Erlotinib Hydrochloride Tablets by Using UV Spectrophotometry and RP-HPLC

Ideal Analytical and Research Institution-Puducherry	Development of Analytical Methods for the Simultaneous Estimation of Lafutidine and Domperidone in Tablet Dosage Form Validated Estimation of Silodosin in Pure, Pharmaceuticals and Biological Sample by UV-Spectroscopic and RP-HPLC METHOD. Validated Analytical Methods for the Simultaneous Estimation of Cefpodoxime Proxetil and Ambroxol Hydrochloride by UV Spectrophotometry and RP-HPLC in Bulk and Tablet Dosage Form
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*** Role of Faculty in Facilitating Such Projects**

- The routine monitoring and guidance of the students project work is carried out by the faculty allotted to them.
- Allotted Project guides periodically conduct review meetings so as to facilitate the progress of research work.
- Faculty also extends their responsibility to assist in the preparation and submission of dissertation to the college followed by a copy to the University.
- Faculty also encourages and assists the students for paper presentations and publications in reputed national and international journals.

2.3.14 Does the institution have a well qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

Yes, Institution has a well-qualified human resource to meet the requirements of the curriculum. In case of shortfall, due to accident, sick leave, maternity leave etc, in such circumstances institution has provision for the appointment of visiting faculty. The appointment of faculty in various departments is based on the Pharmacy Council of India regulations.

2.3.15 How are the faculty enabled to prepare computer-aided teaching / learning materials? What are the facilities available in the institution for such efforts?

Computers with internet facilities are available in the library and the departments which can be accessed by all the staff members. Educational software, CDs and DVDs in the library augment the teaching learning materials. LCD facilities are available in all the class rooms.

2.3.16 Does the institution have a mechanism for the evaluation of teachers by the students / alumni? If yes, how is the evaluation feedback used to improve the

quality of the teaching-learning process?

Yes, Feedback forms are periodically collected from the students. Teachers are evaluated by the students on various parameters given in the feedback form. The feedback is then shared with the faculty and measures for improvements are suggested. The faculties are recommended for annual increment based on the feedback report. Feedbacks are also collected from the alumni for enhancement and improvement of available facilities.

2.3.17 Does the institution use telemedicine facilities for teaching-learning processes? If yes, cite a few instances.

The institute is not directly involved in the dispensing of medicines to the patients; the institute utilizes telemedicine facilities only to an extent to keep the students updated with the current status of the dispensing practice and information related to drugs.

2.3.18 Does the institution utilize any of the following innovations in its teaching-learning processes?

* **ICT enabled flexible teaching system.**

Institution follows ICT (Information based Communication Technology)

* **Reflective learning.**

Teaching is done in the form of question answer pattern along with interaction.

* **Simulations.**

Virtual demonstrations of working principle of instruments are shown as videos, where ever applicable in practicals of pharmacology.

* **Evidence based medicine.**

Pharmacy department library has varieties of textbooks, journals and online database to support evidence based medicine practice in the Pharmacy.

* **Emphasis on development of required skills, adequate knowledge and appropriate attitude to practice medicine.**

Not applicable

* **Problem based learning (PBL).**

During the practical hours and ward rounds, students are exposed to pharmacotherapeutic problems by physician, clinical pharmacist and other health care professionals. Students are trained to manage the problems in clinical setup at our hospital premises.

* **Student assisted teaching (SAT).**

B.Pharm students have the ward rounds with physician and trained Medical students; they teach them about current medical problems and management strategies.

* **Self directed learning and skills development (SDL).**

Other than the ward rounds with physicians, students attend pre- and post- ward rounds to assess and they learn about the pharmacotherapy problems. The students provide the patient counseling to improve medication adherence and better management of current medical condition.

- * **Narrative based medicine.**
Not applicable
- * **Medical humanities.**
Workshops have been conducted in this regard by our Medical College.
- * **Drug and poison information assistance centre.**
Our trust hospital have Hospital Pharmacy practice department provides information regarding drug and poison to medicos and non-medicos on the basis of request.
- * **Ayurveda practices-** Not applicable
- * **Yoga practices-** During NSS camp yoga classes are conducted.
- * **Yoga therapy techniques-** Not applicable
- * **Naturopathy and its practices-** Not applicable
- * **Any other-** Nil

2.3.19 Does the institution have an Electronic Medical Records facility, staffed by trained and qualified personnel? Is it used for teaching-learning process?

Yes. Health information system (HIS) is used and maintained by well qualified and trained personnel in the Hospital. Information pertaining to the study protocol, Medical record department helps the students to search specific patient data.

2.3.20 Does the institution have well documented procedures for case sheet writing, obtaining informed consent and the discharge process of the patients?

Yes. Each patient profile file is well documented. Inter linked system ensures progress of pharmaceutical care of each patient and is well documented till the patient is discharged. The entire process of pharmaceutical care of each patient is well explained through proper patient counseling and scheduling of medication details.

2.3.21 Does the institution produce videos of clinical cases and use them for teaching-learning processes?

Yes, during the practical hours of Pharmacology subject, the institute produces videos which are used for training the students on animal experiments. The tissue culture technique videos are also helpful to the students to understand the concept easily.

2.3.22 Does the institution perform medico legal/post-mortem procedures with a view to train the undergraduate and post-graduate students in medico legal procedures?

Not applicable.

2.3.23 Does the institution have drug and poison information and poison detection centres? How are these used to train the students?

Criterion II – Teaching – Learning and Evaluation

Yes. The query received from the medical professional and non-medical professional are analysed and formulated by the students under the supervision of teaching staffs.

2.3.24 Does the institution have a Pharmacovigilance / Toxicology centre /clinical pharmacy facility / drug information centre/Centre for disease surveillance and control/ Prevention through Yoga/Promotion of positive health/Well-equipped Psychology Laboratory/ Naturopathic diagnostic centre, etc.?

Yes, institution has drug information centre and faculty research lab in which pharmaceutical studies and pharmacological and toxicological studies are carried out on animals. Institution also has a separate CPSCEA approved animal house with required conditions.

2.3.25 Laboratories / Diagnostics

* **How is the student's learning process in the laboratories / diagnostics monitored? Provide the laboratory time table (for the different courses).**

- Our staffs and lab in charges are monitoring the students during the practical hours on daily basis.
- In every practical class, students are kept the record notebook to file their experiment work.
- Logbooks are also maintained by the Lab Technician.

* **Student staff ratio in the laboratories / diagnostics.**

Regular attendance in lectures and practical are monitored by the subject in charge. Student learning process in the laboratories is monitored in regular practical hours and it is being reported in their observation note and record book which is duly signed by concerned faculty member. As a part of evaluation process, internal practical examinations are conducted. The student: Staff Ratio in the laboratories in each batch is 30:2.

I YEAR B.PHARM. TIME TABLE

DAY	8.45 – 12.00	1.00 – 2.00	2.00 – 3.00	3.05 - 4.05
Monday	<u>APH – I BATCH</u> PIC – II BATCH	COMP	BIOCHEM	PIC
Tuesday	<u>POC - I BATCH</u> COMPUTER	APH	PIC	POC
Wednesday	<u>BIOCHEM – II BATCH</u> COMPUTER – I BATCH	POC	TUTORIAL	APH
Thursday	<u>BIOCHEM – I BATCH</u> POC - II BATCH	TUTORIAL	POC	PIC
Friday	<u>PIC – I BATCH</u> APH – II BATCH	COMP	BIOCHEM	TUTORIAL
Saturday	TUTORIAL	COMP	BIOCHEM	TUTORIAL

Criterion II – Teaching – Learning and Evaluation

II YEAR B.PHARM. TIME TABLE

DAY	9.15 - 10.15	10.15 –11.15	11.15 – 12.15	1.15 - 4.20		
Monday	P. PRAC	Tutorial	PAPC	<u>PPH –I BATCH</u> PAPC – II BATCH		
Tuesday	PAPC	Tutorial	APOC	<u>P. PRAC – II BATCH</u> PAPC – I BATCH		
Wednesday	PAPC	P. PRAC	APOC	P.TECH	PPH	Tutorial
Thursday	P. TECH	PPH	Tutorial	<u>PPH –II BATCH</u> APOC – I BATCH		
Friday	PPH	P. PRAC	Tutorial	<u>APOC - II BATCH</u> P. PRAC – I BACH		
Saturday	P.TECH	Tutorial	APOC	Tutorial	Tutorial	Tutorial

III YEAR B.PHARM. TIME TABLE

DAY	9.15 - 12.15			1.15 - 2.15	2.15 - 3.15	3.25 - 4.25
Monday	<u>COGNOSY – I BATCH</u> MC-I – II BATCH			HCP	COGNOSY	BIOTECH
Tuesday	<u>BIOTECH – II BATCH</u> PDF & CT - I BATCH			COGNOSY	COL – I	MC-I
Wednesday	<u>COLOGY – II BATCH</u> BIOTECH – I BATCH			BIOTECH	COL-I	PDF
Thursday	<u>PDF & CT - II BATCH</u> COLOGY – I BATCH			PDF	COL-I	HCP
Friday	<u>MC-I – I BATCH</u> COGNOSY – II BATCH			HCP	MC-I	COGNOSY
Saturday	MC-I	BIOTECH	TUTORIAL	PDF	TUTORIAL	TUTORIAL

IV YEAR B.PHARM. TIME TABLE

DAY	9.15- 10.15	10.15- 11.15	11.15- 12.15	1.15 - 4.30
Monday	MC-II	COL II	PJ&PBM	<u>COLOGY – I BATCH</u> MMPA – II BATCH

Criterion II – Teaching – Learning and Evaluation

Tuesday	MMPA	FP&BP	COGNOSY	MMPA – I BATCH COGNOSY – II BATCH		
Wednesday	MMPA	FP&BP	COGNOSY	COGNOSY – I BATCH MC-II – II BATCH		
Thursday	COGNOSY	MMPA	FP&BP	MC-II – I BATCH FP&BP– II BATCH		
Friday	MC-II	PJ&PBM	COL II	FP&BP– I BATCH COLOGY – II BATCH		
Saturday	COL – II	MC-II	PJ&PBM	TUTORIAL	TUTORIAL	TUTORIAL

FIRST M.PHARM. PHARMACEUTICS - TIME TABLE

DAYS	9.15 - 10.15	10.15- 11.15	11.30- 12.30	1.00 - 5.00		
Monday	Tutorial	MPAT	IP	IP Practical		
Tuesday	ADDS Practical			IP	ADDS	BP
Wednesday	Tutorial	ADDS	MPAT	MPAT Practical		
Thursday	BP Practical			BP	Tutorial	Tutorial
Friday	MPAT	Tutorial	IP	ADDS	Tutorial	BP

2.3.26 How many procedures / clinical cases / surgeries are observed, assisted, performed with assistance and carried out independently by students in order to fulfill learning objectives?

No, procedures/surgeries are observed by pharmacy students. Only they assist the physicians on drug information, drug interaction, and counsel the patients on drug usage to fulfill the learning objectives.

2.3.27 Does the institution provide patients with information on complementary and alternative systems of Medicine?

No

2.3.28 What are the methods used to promote teaching-learning process in the clinical setting?

The students deputing to hospital training/ learning is mainly depend on the hospital settings, hence all the students are encouraged to actively participate in the Ward rounds, Drug information, Physician interaction, patient counseling, preceptor evaluation and group interaction among the students and teachers.

2.3.29 Do students maintain log books of their teaching-learning activities?

Yes, in practical sessions, each student maintains a practical performance log book and record note book for individual subjects.

2.3.30 Is there a structured mechanism for post graduate teaching-learning process?

Yes. The prescribed curriculum is taught by the interactive learning process in lectures organized periodically. All the practical classes including the requisite preparations are done by the students themselves. Seminar topics also assigned on newer topics or developments in the concerned subjects.

2.3.31 Provide the following details about each of the teaching programs:

- * **Number of didactic lectures**
One didactic lecture per week is assigned for undergraduate and Postgraduate students. During the lecture the morality is discussed.
- * **Number of students in each batch** - 60 students (B.Pharm)
- * **Number of rotations** - Weekly
- * **Details of student case study / drug study** - No
- * **Nursing Care Conference (NCC)** - Not applicable
- * **Number of medical / dental procedures that the students get to see**
Not applicable
- * **Mannequins / Simulation / skills laboratory for student teaching**
Not applicable
- * **Number of students inside the operation rooms at a given time**
Not applicable
- * **Average number of procedures in the ORs per week, month and year**
Not applicable
- * **Autopsy / Post-mortem facility** - Not applicable

2.4 TEACHER QUALITY

2.4.1 How does the institution plan and facilitate its faculty to meet the changing requirements of the curriculum?

- Our Institution allows the faculties to attend refresher courses, Seminars, Conference, Workshop, Training Program and Faculty Development Program.
- Students and faculties are encouraged to visit various pharmaceutical industries to update the knowledge with the recent developments.
- Library facilities are improved regularly by purchasing latest edition of the books, subscribing new journals and softwares.
- Guest lectures are organized periodically to update current developments in pharmaceutical field.

2.4.2 Does the institution encourage diversity in its faculty recruitment? Provide the following details (department / school-wise).

Criterion II – Teaching – Learning and Evaluation

Department	% of faculty from the same institution	% of faculty from other institutions within the State	% of faculty from institutions outside the State	% of faculty from other countries
Pharmaceutical Analysis	2(6.6%)	Nil	1(3.3%)	Nil
Pharmaceutics	3(9.9%)	5(16.5%)	1(3.3%)	Nil
Pharmaceutical Chemistry	6(19.8%)	3(9.9%)	1(3.3%)	Nil
Pharmacology	Nil	1(3.3%)	4(13.2%)	Nil
Pharmacognosy	Nil	3(9.9%)	Nil	Nil
Total	11(36.3%)	12(39.7%)	7(24.1%)	Nil

2.4.3 How does the institution ensure that qualified faculty are appointed for new programs / emerging areas of study? How many faculty members were appointed to teach new programs during the last four years?

Master degree qualified people are called for the vacant positions. A lecture is conducted before Selection Committee of our institution. The Demo given was evaluated by three members consisting Principal, Vice Principal, and concerned department HOD. Final decision was made by the management.

Mr. S. Murugan and S. Jayanthi were appointed as faculty members during last four years.

2.4.4 How many Emeritus / Adjunct Faculty / Visiting Professors are on the rolls of the institution?

Following emeritus/adjunct faculty / visiting faculty have visited the institution and delivered talks and lectures.

List of Senior Visiting Faculty

- Dr.S.P.Thiyagarajan, Professor of Eminence and Dean(Research)
- Dr.K.V.Leela, MD., Professor, Kilpauk Medical College, Chennai.
- Dr.S.Kavimani, MTPGRIHS, Puducherry.
- Dr.K.Illango, Dean, SRM University, Chennai.
- Dr.Sithesh Butcher, Bangladesh University.
- Dr.V.Ravichandran, Director, NIPER, Kolkatta.

2.4.5 What policies/systems are in place to academically recharge and rejuvenate teachers? (E.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)

- Management promotes research activities by permitting teachers to pursue their Ph.D. and research projects.

Criterion II – Teaching – Learning and Evaluation

- Institution provides necessary facilities like instruments, equipments, laboratory, and internet and library facility for successful completion of research work.
- The faculties are permitted to utilize laboratory facilities at maximum extent to carry out their research work.
- Institution provides on duty leave and financial assistance to the faculty member to participate in national or international conferences and seminars.
- Institution facilitates the faculty members who have published papers in national or international journals by giving cash award at college day function.
- Institution provides financial and technical support to organize seminars and conferences.

2.4.6 How many faculty received awards / recognitions for excellence in teaching at the state, national and international level during the last four years?

1. **Dr. T. Vetrichevan**, Principal, Adhiparasakthi College of Pharmacy received “**Best Teacher Award**”. The award has been constituted by The Tamilnadu Dr.M.G.R.Medical University to appreciate the service rendered in the field of Pharmacy and the award had been conferred at National Pharmacy week celebrations at The Tamilnadu Dr.M.G.R.Medical University, Chennai on 01st July 2011.
2. **Dr. S. Shanmugam**, VicePrincipal, Adhiparasakthi College of Pharmacy received “**Best Teacher Award**”. The award has been constituted by The Tamilnadu Dr.M.G.R.Medical University to appreciate the service rendered in the field of Pharmacy and the award had been conferred at National Pharmacy week celebrations at The Tamilnadu Dr.M.G.R.Medical University, Chennai on 25th November 2011.
3. **Dr. D. Nagavalli**, Professor, Adhiparasakthi College of Pharmacy received “**Best Teacher Award**”. The award has been constituted by The Tamilnadu Dr.M.G.R.Medical University to appreciate the service rendered in the field of Pharmacy and the award had been conferred at National Pharmacy week celebrations at The Tamilnadu Dr.M.G.R.Medical University, Chennai on 12th November 2012.
4. **Mr. T. Ayyappan**, Associate Professor, Adhiparasakthi College of Pharmacy , who has received “**Best Teacher Award**” from ACMEC Trust on 10th Feb 2016.

2.4.7 How many faculties underwent professional development programs during the last four years? (Add any other program if necessary)

Faculty Development Programs	Number of faculty attended
Induction programs	13
Re-orientation programs	05
Refresher courses	02
Capacity building programs	06

Faculty Development Programs	Number of faculty attended
Induction programs	13
Re-orientation programs	05
Refresher courses	02
Capacity building programs	06
Programs by regulatory / apex bodies	36

2.4.8 How often does the institution organize academic development programs (e.g.: curriculum development, teaching-learning methods, examination reforms, content / knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

Various activities which improve student efforts in curriculum are organized by the institution in the form of workshop/seminar/ conference. Many efforts are being made for the teaching learning process like printed journal, providing study material, internet facility, Wi-fi facility, database development etc. On the basis of Feedback and Counseling process, the institution evaluates this type of process in regular faculty meeting and examination reforms are being prepared.

2.4.9 Does the institution have a mechanism to retain faculty? What is the annual attrition rate among the faculty?

Our institution being one among the very few institutions having introduced AICTE pay scales, the salaries are amongst the best in pharmacy teaching institutions. The benefits offered are casual leave, midterm and annual vacation, annual increment, periodic increase in Dearness Allowance, Provident Fund, and staff gratuity and leave encashment.

Year	Percentage of retained faculty
2011-2012	84%
2012-2013	87%
2013-2014	96%
2014-2015	96%

2.4.10 Does the institution have a mechanism to encourage

- * **Mobility of faculty between institutions /universities for teaching/research?**
- * **Faculty exchange programs with national and international bodies?**

If yes, how have these schemes helped in enriching the quality of the faculty?

Yes, Faculties are encouraged to provide lectures as a resource person to other institution as a part of teaching Program held at various colleges and universities. Institution also extends MOU benefit and consultancy program for the research activity where it also provides the use of sophisticated instruments with nominal charges, and animals for the purpose of conducting pharmacological research activity.

2.4.11 Does the institution have well defined career advancement policy for Health Science professionals? If yes, outline the policy.

Yes. At the entry level the teachers were being appointed as Lecturers. Now they are appointed as Assistant Professors and the higher grades are Associate Professor and Professor. The faculties are promoted to the next cadre based on satisfying the norms of the apex bodies and existence of vacancies.

2.4.12 how does the institution create synergies with other PG institutes for generating required number of specialists and super specialists?

- * The institution networks with various academic institutions and invites various specialists and super specialists to deliver lectures on important topics.
- * The PG students take industrial projects in their area of specialization for a definite period of time.

2.4.13 does the institution conduct capacity building programs / courses in subspecialties for its faculty?

Yes, the institute organizes programs/courses with focus on capacity building in terms of teaching and research. Various programmes like faculty development program/ seminar/ workshops/ Refresher course organized by the institute. By the way, our staff members to upgrade their knowledge with regard to the recent developments in their specialization. This help in attaining additional knowledge in their areas of interest.

2.5 EVALUATION PROCESS AND REFORMS

2.5.1 How does the institution ensure that all the stakeholders are aware of the evaluation processes that are in place?

1. The Tamilnadu Dr.M.G.R.Medical University organizes the examinations for the students twice in a year. The examinations details are available in the webpage of the University. On announcement the details are downloaded from the web page and displayed in the notice board. If any changes are made in the examination pattern, it will be notified to the students by the Examination Committee.
2. The continuous and periodic internal assessments of the students are done by the institution. An exclusive Examination Committee functions for the smooth conduct of the examinations. Examination details are also given in the academic calendar which is distributed to the students. Any changes in the exam patterns are informed through circulars by the Principal. The parents are also informed about the examination process during the induction program. Examination processes are also informed to the parents.

2.5.2 What are the important examination reforms implemented by the institution? Cite a few examples which have positively impacted the examination system.

Adhiparasakthi College of Pharmacy is not an autonomous institution and it is affiliated to The Tamilnadu Dr.M.G.R.Medical University, hence all the

reforms adapted in the university have been followed by the institutions.

2.5.3 What is the average time taken by the University for Declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode adopted by the institution for the publication of examination results (e.g. website, SMS, email, etc.).

The University declares the results within 30 to 45 days from the conclusion of the external final exams. The results are then published on the university webpage.

2.5.4 How does the institution ensure transparency in the evaluation process?

The examination is conducted by the university. To ensure transparency the student can apply to the university by paying prescribed fee to see his/her answer paper. The discrepancies observed in the paper can be communicated with justification to the university authorities for clarification. The decision of the University authorities is final. The internal examinations evaluations are done blindly with only mention of students roll number in the answer paper. The corrected answer sheets are given to the students for their verification.

2.5.5 What are the rigorous features introduced by the university to ensure confidentiality in the conduct of the examinations?

Students are admitted to the examination hall 15 minutes prior to the start of the exam at which time the question paper is released online in the Principal's room. Answer sheets are pre-numbered and supplied to the institution directly from the University so that students cannot substitute the sheets with their own copied sheets during exams. CCTV camera and metal detectors are kept in the examination hall. The students are not permitted to take electronic devices inside the examination hall.

2.5.6 Does the institution have an integrated examination platform for the following processes?

- * **Pre-Examination Processes** – Time table generation, hall ticket, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, online transmission of questions and marks, etc. Forty five days before the commencement of the university examination the authorities will display the time table and the same is displayed in student's notice board. Hall ticket, student list generation and online payment gateway are also intimated to the college by the university. The invigilators for the conduct of examination are made by the institution as per the guidelines of the university. University appoints vigilance squads/observer to check the conduct of examinations for both UG and PG. The vigilance squads/observer visits the institute during examination and sends their report to the University. The attendance sheet and online transmission of questions papers are done on the day of examination. A separate team of faculty downloads the questions with confidentiality 15 minutes prior to the exam in the Principal's room. The internal assessment and

practical marks are entered directly in the university web page and verified on same day at two levels to avoid mistakes and malpractice.

- * **Examination Process** – Examination material management, logistics, etc. The required logistics to conduct the examination are provided by the institute. The answer sheets for the students are received from the university. To avoid malpractice and bring in transparency the answer sheets are printed with the student registration number and the subject of the examination
- * **Post-Examination Process** – Attendance capture, OMR-based exam result, auto processing, result processing, certification, etc. The attendance of the student is communicated to the University and all other process is under the control of the University. The internal examination results are announced within two weeks after the examination and are intimated to the parents by post.

2.5.7 Has the university / institution introduced any reforms in its evaluation process?

At the institutional level- the institution gives internal assessment marks for the students. Our institution follows the guidelines of the University for the conduct of the examination. The students are also evaluated through continuous assessment through seminars and communication skills.

University reforms: Online mark entry, Online Question paper and online results.

2.5.8 What is the mechanism for redressal of grievances with reference to examinations? Give details.

Internal Assessment:

- After every term exam, the teachers distribute the evaluated papers to the students and discussion about the expected answers of the questions. Any query from the concerned student is sorted out by the teacher.
- Our college conducts improvement examinations for the failure students.

External Assessment:

At university level, there is a provision of getting the photo copy of the answer sheet and re-totaling within 15 days of publication of examination results by the University. Along with the prescribed fee the application has to be processed through the Principal. For internal assessments, students having grievances can complain to the Examination Committee.

2.5.9 Does the institution have a Manual for Examinations and if yes, does it specifically take cognizance of examination malpractices by students, faculty and non-teaching staff?

Yes, the institution has examination manual describing the procedure in the conduct of examination. The examination protocols are determined by The Tamilnadu Dr.M.G.R. Medical University and all its regulations regarding malpractices by student, staff, and non-teaching staff are strictly adhered to.

2.5.10 What efforts have been made by the university to streamline the operations at the Office of the Controller of Examinations? Mention any significant efforts which have improved the process and functioning of the examination

division/section.

The evaluation process for B.Pharm/M.Pharm course is followed as prescribed by the Tamilnadu Dr.M.G.R. Medical University. The institute has constituted examination committee for the smooth conduct of internal and external examination. The institute appoints Chief Superintendent, Assistant to Chief and Invigilators who has responsibility to coordinate for smooth conduct of university examination and correspondence related to the examination.

2.5.11 What are the efforts of the institution in the assessment of educational outcomes of Its Students? Give Examples Against The Practices Indicated Below:

*** Compatibility of Education Objectives and Learning Methods with Assessment Principles, Methods and Practices.**

The objective is overall development of the students; hence an effort is made on the part of the institution to make the educational outcome more student-friendly and student-oriented. The Institution has made very systematic efforts for the assessment of educational outcomes of its students some of the examples are as follows: Various assessment tools and processes are used to judge the attainment of programme outcomes.

Direct Assessment Tools:-

Assignment writing – topics from the subjects taught during the assessment period are given. Class tests, Surprise tests, viva vice, and a small out-of-syllabus work, Presentation – power point presentation on the topics related to curriculum. Three Sessional Exams and a model exam

Indirect assessment tools:-

Annual report- Pass percentage calculation
Periodical assessment by exam committee
Exam organizing committee audit after every term exam
Collection of Students feedback.

*** Balance between formative and summative assessments.**

Regular assignment writing and continuous evaluation process have been adopted for the students. The continuous assessment and internal assessment (IA) are given equal weightage.

*** Increasing objectivity in formative assessments.**

Formative assessments help students identify their strengths and weaknesses and target areas that need to be worked on; faculty recognize where students are struggling and address problems immediately.

*** Formative (theory / orals / clinical / practical) internal assessment; choice based credit system; grading / marking.**

For B.Pharm:

- Term Examination of 100 marks (theory) and 150 marks (practical) is conducted and the question paper pattern and distribution of marks for theory/practical term examination as per the university norms.
- The University Practical Examination carries 100 marks for practical 50 marks for oral and the examination is conducted by

Criterion II – Teaching – Learning and Evaluation

External and Internal examiners appointed by university with more than five years experience.

For M.Pharm:

The course structure includes annual pattern of assessment with 50% weightage for theory and 50% for practical.

- * **Summative (theory / orals / clinical / practical).**

Regular term theory exam/remedial exam/model exam and practical exams are conducted. Three internal assessments and the yearly assessment exam were conducted for the students to assess learning. The yearly assessment exam is conducted by The Tamilnadu Dr.M.G.R.Medical University.
- * **Theory – structure and setting of question papers for term exams:–**
 - Term exam Question Pattern for B.Pharm.:**
 1. The question paper contains no choice as per the university question paper model and the pattern as follows:
 2. Essay – 2 questions for each question carries 20 marks.
 3. Short notes - 8 questions, for each question carries 5 marks.
 4. Short Answers - 10 questions, for each question carries 2 marks.
 - Term exam Question Pattern for M.Pharm:**

The question paper contains no choice as per the university question paper model and the pattern as follows:

 1. Essay - 2 questions for each question carries 20 marks.
 2. Short notes - 10 questions for each question carries 6 marks.
- * **Essays, long answers, shorts answers and MCQs etc. Questions bank and Key answers.**

Question paper in prescribed format is set by respective faculty and typing of question paper is done at the office of our college and the same is submitted to the Exam section. Question bank is available in library.
- * **Objective Structured Clinical Examination (OSCE).**

Students practice their communication skill development through OSCE module. This helps them in real condition where they counsel the patient for their medication history interview and patient counseling activity in Pharmaceutical care.
- * **Objective Structured Practical Examination (OSPE).**

All the practicals are very well planned and designed where-in the objectives are very well defined. The students are instructed and trained as per the defined objective for each practical experiment conducted. On the same way the final practical examinations are conducted.
- * **Any other.**

Institution has made very systematic efforts for the assessment of educational outcomes of its students some of the few examples are as follows:

 - Students are continuously evaluated to ensure over all progress in their learning process; so that the basic concepts are properly

understood and students are quite aware of the objective and are able to appreciate the expected outcome.

2.5.12 Describe the methods of prevention of malpractice, and mention the number of cases reported and how are they dealt with?

In order to prevent malpractice in examination at internal and external level, the following preventive measures are taken:

- One invigilator appointed for every 20 students
- Technicians and attenders are utilized for supporting activities
- CCTV, Camera, Jammer and Metal detector for continuous surveillance
- Cell phones, calculators, electronic devices are strictly prohibited.
- Proposed punishment rules for Unfair means are been displayed on the door of examination hall of the Institution.
- Students are also made aware of the same before commencement of exam.
- In general the adherence and the compliance are very strict by the institution and so far no malpractices have been reported.

2.6. Student Performance and Learning Outcomes

2.6.1 Has the institution articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?

The development of student attributes is constantly monitored and followed in Adhiparasakthi College of Pharmacy. The attributes refer to learning, teaching and or research and morality. These attributes measure to shape our graduates with relation to education. The outcome measures of all these attributes mainly to focus on employability.

The attributes are:

- Academia reflecting knowledge and research.
- Society and community reflecting social responsibility and citizenship.
- Work and career reflecting on employability.
- The implementation and monitoring of the all these graduates attributes are through academic and student welfare committee and in strategic initiative forum. The forum comprises of the faculty and students; the vice principal of the institute is the convener of the committee.
- The outcome measures of the graduate attributes are measured by Personnel intellectual autonomy.
- Personnel effectiveness.
- Communication.
- Research enquiry.
- Understanding the subjects and acquiring skillful practices.
- Able to convert the practices into job functioning.
- Cognitive ability and application of learned knowledge.

2.6.2 Does the institution have clearly stated learning outcomes for its academic programs/departments? If yes, give details on how the students and staff are made aware of these?

Yes. The staff and students are made aware of academic programs by circulars, students and staff council meetings, class representative meetings, and general body meeting of all students where Principal will address all the above issues.

2.6.3 How are the institution's teaching-learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

The teaching learning strategies are well structured and are achieved based on the following aspects:

- Orientation classes
- Academic calendar
- Course plan with details of objectives of each topic
- Class wise learning material

Assessment strategies are realized in the following manner:

- Day -to-day evaluation in the laboratories
- Tutorial classes
- Periodical internal assessment examinations

2.6.4 How does the institution ensure that the stated learning outcomes have been achieved?

The stated learning outcome for each academic year has been ensured by analyzing the following parameters. The additional input required for the parameters has been discussed for improvement

- Academic competency
- Professional efficiency
- Communication skills
- Pass percentage at university level
- Academic progression
- Publication of research papers in reputed national and international journals
- Presentation of papers at the conference/seminars/symposium.
- Projects received and completed by the students (PG program only)
- Employability.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Is there an Institutional Research Committee which monitors and addresses issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

Yes.

1. The Institution has a Research Committee mainly to monitor the research activities at UG level. PG and PhD research activities are monitored by the Institutional Research Committee where all the Professors are made as members.
2. The research activities are monitored in the department by continuous evaluation seminars and Journal Club activities.
3. The research committee allots the UG students for research and monitors their progress through three evaluation seminars.
4. Arrangement of industrial or hospital training is made for the final year UG students during summer holidays.
5. The committee is responsible for organizing invited talks by the expert in their respective fields.
6. The impact of the committee is better research outcome; our students have won prizes at the conferences. It also promotes research initiative among the students. Half of our students have taken up higher studies after their UG.

COMPOSITION OF RESEARCH AND DEVELOPMENT COMMITTEE:

Principal	Chairperson
One teaching faculty member	Research co ordinator
Four teaching faculty members from each departments	Members
One member from a research organization or a pharmaceutical company	Members

OBJECTIVES:

1. To invoke a dynamic research program and to promote active participation of all faculty in research
2. To initiate research in thrust areas, to help improve healthcare through advancing the knowledge and skills of Pharmacists and other Health Care Professionals
3. To introduce best practices and networking with experts in other Institutions and Industry to foster collaborative research
4. To conduct workshops on research methodology.
5. To attract research funds.
6. To enhance research publications by faculty and students.
7. To promote consultancy services.

Major recommendations implemented:

1. Conduct of research review meetings to monitor and resolve impediments in the ongoing research projects.
2. Sponsoring staff and students to attend conferences.
3. Encouraging publications in peer reviewed journals.
4. Liaison with industries for research projects.
5. Provision of 10% incentive of the total grant sanctioned to the staff member.
6. Common Journal Club for all departments to foster interdisciplinary comprehensive research.

Impact:

1. Publications in reputed journals.
2. Overall improvement of dissertations quality by the PG Students.
3. Receipt of grants.
4. Increased number of consultancies and industrial projects.
5. Increase in the number of publications by the faculty and students.

LIST OF PUBLICATIONS:

1. J. Saminathan *et al.*, Method Development and Validation of Olmesartan, Amlodipine and Hydrochlorothiazide in Combined Tablet Dosage Form, **Int. J. Pharm. Res. & Anal.**, 2011, 1(1), 7 – 14.
2. S. Srikanth and S. Senthilkumar *et al.*, Formulation and Evaluation of Microbially Activated Osmotic Drug Delivery System for Colon Targeted Tinidazole Tablets, **Res. J. Pharm. Biol. and Chem. Sci.**, 2011, 2(1), 469 – 481.
3. S. Shanmugam *et al.*, Formulation and Evaluation of Sustained release Matrix Tablets of Losartan Potassium, **Int. J. PharmTech. Res.**, 2011, 3(1), 526 – 534.
4. S. Shanmugam *et al.*, Design and Evaluation of Novel Ophthalmic Delivery System of Acyclovir for Herpes Simplex Infection, **Res. J. Pharm. Biol. Chem. Sci.**, 2011, 2(1), 802 – 814.
5. J. Ananda Babu and T. Ayyappan *et al.*, Novel site specific delivery system containing ofloxacin for the treatment of periodontal infection, **Res. J. Pharm. Biol. and Chem. Sci.**, 2011, 2(1), 590 – 612.
6. R. Yadav Deepak and T. Ayyappan *et al.*, Development and in – vitro Evaluation of Buccoadhesive Metoclopramide Hydrochloride Tablet Formulation, **Int. J. PharmTech Res.**, 2011, 3(1), 516 – 525.
7. K. Anandakumar *et al.*, Development and Validation of Eprosartan Mesylate and Hydrchlorothiazide in Pure and in Fixed Dose Combination by UV Spectrophotometry, **Int. J. Pharm & Ind. Res.**, 2011, 1(1), 22 – 27.

8. Vaibhav Bande and S. Senthilkumar, Formulation and Evaluation of Instant Palatable Mouth Dissolving Tablets of Diphenhydramine HCl for Allergic Reactions – As Novel Approach, **Research J. Pharm. And Tech.**, 2011, 4(2), 320 – 325.
9. J. Saminathan *et al.*, Validation of UV Spectrophotometric Method for Determination of Riluzole in Pharmaceutical Dosage Form, **Int. J. ChemTech Res.**, 2011, 3(2), 560 – 564.
10. T. Ayyappan *et.al.*, Preparation and Physiochemical Characterization of Solid Dispersion of Aceclofenac Formulated by Solvent Evaporation Method, **Biosci, Biotech. Res. Asia**, 2011, 8(1), 219 – 224.
11. D. Nagavalli *et. al.*, Development of UV Spectrophotometric method for the Simultaneous Estimation of Olmesartan Medoxamil and Atorvastatin Calcium in Tablet by Simultaneous Equation and First order Derivative metod, **J. Pharm. Res.**, 2011, 4(6), 1711 – 1712.
12. D. Nagavalli *et al.*, Validated HPLC Method for the Simultaneous Estimation of Gatifloxacin Mesylate and Ambroxol Hydrochloride in Bulk and Tablet Dosage Form, **J. Pharm. Res.**, 2011, 4(6), 1701 – 1703.
13. K. Anandakumar *et al.*, Absorption Correction Method for the Simultaneous Estimation of Amlodipine Besylate, Valsartan and Hydrochlorothiazide in Bulk and in Combined Tablet Dosage Form, **Int. J. Pharm. Pharm. Sci.**, 2011, 3(1), 23 – 27.
14. D. Nagavalli *et al.*, Simultaneous Estimation of Atorvastatin Calcium, Ezetimibe and Fenofibrate in Pure and Combined Tablet Dosage form by UV Spectrophotometry, **Int. J. Pharm. Sci. Rev. Res.**, 2011, 8(2), 40 – 44.
15. K. Anandakumar *et al.*, Simultaneous Estimation of Rosuvastatin Calcium and Fenofibrate in Bulk and in Tablet Dosage Form by UV Spectrophotometry and RP – HPLC, **Stamford J. Pharm. Sci.**, 2011, 4(1), 58 – 63.
16. K. Anandakumar *et al.*, Simultaneous Determination of Emtricitabine and Tenofovir Disoproxil Fumarate in Tablet Dosage Form by UV – Spectrophotometry, **Asian J. Chem.**, 2011, 23(6), 2719 – 2721.
17. G. Abirami *et al.*, Spectrophotometric Method for Estimation of Desvenlafaxine Succinate in Tablet Dosage Form, **Res. J. Pharm. Biol. & Chem. Sci.**, 2011, 2(2), 721 – 729.
18. M. Sugumaran *et al.*, Synthesis, Antibacterial and Anthelmintic Activity of 2, 5 – Disubstituted Benzimidazoles, **Indian J. Het. Chem.**, 2011, 21, 97 – 98.
19. M. Sugumaran *et al.*, Synthesis, Spectral Analysis and Biological Activity of Mannich Bases of 2 – Substituted Benzimidazole, **J. Pharm. Res.**, 2011, 4(8), 2679 – 2681.
20. K. Anandakumar *et al.*, Development and Validation of Emtricitabine and Tenofovir Disoproxil Fumarate in Tablet Dosage form by UV – Spectrophotometry, **Digest J. Nanomat. Biostruct.**, 2011, 6(3), 1085 – 1090.

21. B. Umadevi and T. Vetrichelvan *et al.*, Development and validation of UV Spectrophotometric Determination of Doxofylline and Ambroxol hydrochloride in bulk and Combined Tablet Formulation, **Int. J. Curr. Pharm. Res.**, 2011, 3(4), 89 – 92.
22. K. Anandakumar *et al.*, Development and Validation of UV Spectrophotometric Method for the Simultaneous Estimation of Eprosartan Mesylate and Hydrochlorothiazide in bulk and Formulations, **Indian J. Pharm. Sci.**, 2011, 73 (5), 569 - 572.
23. T. Sangeetha *et al.*, Preliminary Phytochemical Investigation Including HPTLC Profile on Aerial Parts of Vernonia cinerea(L), **Int. J. Pharm. Rev. & Res.**, 2011, 11(2), 65 – 68.
24. J. Saminathan *et al.*, HPTLC Method Development and Validation of Riluzole in Bulk and Pharmaceutical Dosage Form, **KMITL Sci. Tech. J.**, 2011, 11(2), 54 – 63.
25. T. Sangeetha *et al.*, Bionic Heart: A Review, **Int. J. Curr. Pharm. Res.**, 2011, 3(4), 14 – 19.
26. T. Sangeetha *et al.*, Antitumor activity of aerial Parts of Vernonia cinerea (L) Less. Against Dalton's Ascitic Lymphoma, **Int. J. PharmTech Res.**, 2011, 3(4), 2075 – 2079.
27. D. Nagavalli *et al.*, A Validated Analytical Method Development for the Simultaneous Estimation of Metformin Hydrochloride and Fenofibrate in Pure and in Tablet Dosage Form, **Int. Res. J. Pharm.**, 2011, 2(12), 146 – 149.
28. M. Sugumaran *et al.*, Synthesis and Biological Activity of 2,5 – Disubstituted Bezimidazole Derivatives, **Int. J. Pharm. Sci. & Drug Res.**, 2012, 4(1), 80 – 83.
29. A. Thirugnanasambanthan *et al.*, Synthesis of 2,3 – Disubstituted Quinazolone Derivatives for Analgesic and Antimicrobial Activities, **J. Chem. & Pharm. Res.**, 2012, 4(2), 1147 – 1150.
30. A. Thirugnanasambanthan *et al.*, Synthesis and Antimicrobial Screening of some Substituted 1,3,4 – Oxadiazole Derivatives, **J. Chem. & Pharm. Res.**, 2012, 4(2), 1217 – 1221.
31. S. Shanmugam *et al.*, Formulation and Evaluation of Sustained release Matrix Tablets of Aceclofenac Using Different Polymers, **J. Pharm. Res.**, 2012, 5(3), 1537 – 1540.
32. T. Ayyappan *et al.*, Acyclovir Loaded Self Assembled pH Sensitive Nanoparticle as Novel Drug Carrier for Targetting of Viral Infection, **J. Pharm. Res.**, 2012, 5(4), 2146 - 2150.
33. G. Abirami *et al.*, Development and Validation of UV – Spectroscopy Method for the Determination of Dapoxetine Hydrochloride in Pharmaceutical Formulation, **J. Pharm. Res.**, 2012, 5(4), 1949 – 1951.
34. T. Ayyappan *et al.*, Comparative Evaluation of Inclusion Complex of Aceclofenac Prepared by Different Techniques, **J. Pharm. Res.**, 2012, 5(4), 2197 - 2200.

35. G. Abirami *et al.*, Development and Validation of UV – Spectroscopy Method for the Determination of Cefpodoxime Proxetil and Ambroxol Hydrochloride in Pharmaceutical Formulation, **Int. J. PharmTech Res.**, 2012, 4(2), 623 – 629.
36. M. Sugumaran *et al.*, Synthesis, Characterization and Antimicrobial Evaluation of 2 – Azetidinone and 4 – Thiazolidinone Derivatives, **Res. J. Pharm. Biol. & Chem. Sci.**, 2012, 3(2), 625 – 631.
37. M. Sugumaran *et al.*, Synthesis, Spectral Analysis and Biological Evaluation of Some Novel Fluorobenzothiazole incorporated 1.3.4 – Thiadiazole, **Int. J. Pharm. Sci. & Res.**, 2012, 3(6), 1809 – 1816.
38. K. Anandakumar *et al.*, A Validated RP - HPLC method for the Simultaneous Estimation of Lamivudine and Tenofovir Disoproxil Fumarate in pure and in Tablet Dosage Form, **Eurasian J. Anal. Chem.**, 2012, 7 (2), 56 - 66.
39. K. Anandakumar *et al.*, Validated RP – HPLC Method for the Simultaneous Determination of Amlodipine Besylate, Valsartan and Hydrochlorothiazide in bulk and in Pharmaceutical Formulation, **Acta Chromatographica**, 2012, 24(1), 37 – 50.
40. M. Sugumaran *et al.*, Synthesis, Characterization and Biological Evaluation of 4 – Thiazolidone Derivatives, **J. Pharm. & Biomed. Sci.**, 2012, 16(16), 1 – 5.
41. Kuncha Teja and D. Nagavalli, Validated Estimation of Temozolamide in Pure, Biological sample by UV Spectroscopic, RP - HPLC and HPTLC Methods, **Am. J. PharmTech Res.**, 2012, 2 (6), 751 - 763.
42. Rajitha Kandimalla and D. Nagavalli, Validated Estimation of Capecitabine by UV Spectroscopic, RP - HPLC and HPTLC Methods, **IRJP**, 2012, 3 (11), 163 - 166.
43. K. Anandakumar *et al.*, Development and Validation of Analytical Method for the Estimation of Zileuton in Bulk and in Pharmaceutical Dosage form by UV Spectroscopy, **IRJP**, 2012, 3(12), 154 – 157.
44. G. Abirami *et al.*, Development and Validation of Spectrophotometric Method for Estimation of Sitagliptin Phosphate and Simvastatin in Combined Dosage Form by Derivative Spectrophotometry, **Journal of Pharmacy Research**, 2012, 5 (12), 5549 - 5552.
45. G. Abirami *et al.*, Validated Analytical Method Development of Desvenlafaxine succinate in Solid Dosage Form by RP - HPLC and HPTLC Methods, **Am. J. PharmTech. Res.**, 2013, 3(1), 517 - 525.
46. G. Abirami *et al.*, Development and Validation of RP - HPLC Method for the Determination of Cefpodoxime Proxetil and Ambroxol Hydrochloride in Pharmaceutical Formulation, **Int. J. Pharm & Tech.**, 2013, 4 (4), 5028 - 5037.

47. G. Abirami *et al.*, Simultaneous Estimation of Tolperisone and Paracetamol in Pure and Fixed Dose Combination by UV - Spectrophotometry, **Int. J. Pharm& Pharm. Sci.**, 2013, 5 (1), 488 – 492.
48. K. Anandakumar *et al.*, RP - HPLC Method for Simultaneous Estimation of Lamivudine, Tenofovir Disoproxil Fumarate and Efavirenz in Tablet Formulation, **Journal of Analytical Chemistry**, 2013, 68 (9), 815 - 821.
49. S. Shanmugam *et al.*, Formulation and Evaluation of Loratidine Mouth Dissolving Tablet, **Bangladesh J. Sci. Ind. Res.**, 2013, 48 (2), 137 - 142.
50. M. Aliyah Moin and S. Shanmugam *et al.*, To Study and to Evaluate the Requirements Required to Propose an Alternate API Source form an Approved Drug Product in USFDA, **International Journal of Chemical and Pharmaceutical Sciences**, 2013, 4 (1), 28 - 33.
51. S. Shanmugam *et al.*, Formulation and in - vitro Evaluation of Sustained Release Matrix Tablets in Gliclazide, **Journal of Pharmaceutical Research**, 2013, 1 (4), 350 - 354.
52. T. Ayyappan *et al.*, Formulation and *in - vitro* Evaluation of Mebeverine Hydrochloride Colon Targeted Micro pellets for the Treatment of Irritable Bowel Syndrome, **International Journal of Chemical and Pharmaceutical Sciences**, 2013, 4 (1), 47 - 54.
53. T. Ayyappan *et al.*, Formulation and *in - vitro* Evaluation of Metoprolol Tartarate Microspheres using natural, Semi - Synthetic and Synthetic Polymer as Controlled Release Dosage Form, **Journal of Pharmaceutical Research**, 2013, 1 (4), 377 – 381.
54. S. Shanmugam *et al.*, Formulation and Evaluation of Sustained Release Matrix Tablets of Venlafaxine Hydrochloride, **Journal of Pharmaceutical Research**, 2013, 1 (5), 506 - 510.
55. T. Ayyappan *et al.*, Formulation Development and in - vitro Evaluation of Intragastric Floating Drug Delivery System of Ofloxacin, **Int. J. Pharmtech Res.**, 2013, 5 (2), 451 - 458.
56. S. Shanmugam *et al.*, Formulation and in - vitro Evaluation of Sustained Release Matrix Tablets of Ibuprofen, **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2013, 4 (2), 1656 - 1663.
57. A. Umar faruksha *et al.*, Formulation, Characterization And Optimization Of Pioglitazone Hydrochloride Nanoparticles By Solvent Displacement Method Using 3² Factorial Design., **International Journal of PharmTech Research.**, 2013, 5(2), 754-766.
58. A. Umar faruksha *et al.*, Formulation Development and Evaluation of Polymeric Nanoparticles Containing Pioglitazone Hydrochloride, **IJAPR**, 2013, 1891 - 1901.
59. T. Sudha and J. Saminathan *et al.*, Development and Validation of HPTLC Method for the Estimation of Rifaximin Bulk and in Tablet Dosage Forms, **PhTechMed.**, 2013,2 (3), 300 – 302.

60. J. Saminathan *et al*, HPTLC Method Development and Validation for Simultaneous Estimation of Olmesartan Medoxamil, Amlodipine Besylate and Hydrochlorothiazide in bulk drug and formulation, **Analytical Chemistry An Indian Journal**, 2013, 13 (9), 325 - 331.
61. D. Nagavalli *et al*, RP - HPLC and Colorimetric Methods for the Estimation of Silodosin in Capsule Dosage Form, **International Journal of Frontiers in Science and Technology**, 2013, 1 (3), 1 - 13.
62. S. Shanmugam *et al*, Formulation and *in - vitro* Evaluation of Floating Microspheres of Acyclovir, **Journal of Pharmaceutical Research**, 2013, 1 (8), 771 - 774.
63. G. Abirami *et al*, Analytical Method Development and Validation of Estimation Method for Sotalol Hydrochloride Tablets by Using RP - HPLC, **Indian Journal of Research in Pharmacy and Biotechnology**, 2013, 1 (5), 736 - 740.
64. B. Shanthakumar *et al*, In Vitro Anti Oxidant Activity of Extracts and Stigmasterol from Leaves of Clerodendrum inerme Linn., **Research Journal of Pharmaceutical, Biological and Chemical Sciences**, 2013, 4 (4), 1411 - 1418.
65. G. Abirami *et al*, A New RP - HPLC Method for Simultaneous Estimation of Thiocolchicoside and Ketoprofen in Tablet Dosage Form, **World Journal of Pharmacy and Pharmaceutical Sciences**, 2014, 3 (2), 2564 - 2575.
66. K. Anandakumar *et al*, Simultaneous Estimation of Paracetamol, Ambroxol Hydrochloride, Levocetirizine Dihydrochloride and Phenylephrine Hydrochloride in Combined Tablet Formulation by First - Order Derivative Spectrophotometry, **ISRN Spectroscopy**, 2014, Article ID 248960, 1 - 8.
67. G. Abirami *et al*, Development and Validation of Dapoxetine in Pure and Solid Dosage Form by HPTLC Method, **International Journal of Pharmaceutical Development and Technology**, 2014, 4 (2), 86 - 89.
68. J. Saminathan *et al*, Development and Validation of HPTLC for the Simultaneous Estimation of Estitalopram oxalate and Clonazepam in its formulation., **International journal of Frontiers in Science and Technology.**, 2014, 2(1), 13-23.
69. T. Ayyappan and D. Bharathiraja *et al*, Formulation development and in-vitro/ex-vivo evaluation of novel buccoadhesive films of metoprolol tartrate using 2³ factorial design techniques., **Bangladesh J. Sci. Ind. Res.**, 2014, 49(3), 165-172.
70. T. Ayyappan and C. Poojitha *et al*, Formulation design, Optimization & In Vitro Evaluation of Novel orodissolving tablets of Efavirenz for HIV Infections., **Bangladesh J. Sci. Ind. Res.**, 2014, 49(3), 173-180.
71. G. Abirami *et al*, Analytical Method development for the estimation of Alprazolam and Melatonin by using RP-HPLC in Bulk and Tablet dosage form., **Indo American Journal of Pharmaceutical Research.**, 2014. 4(11), 5200-5208.

72. S. Sathya *et al*, Standardisation of Leaves of *Mallotus Philippensis* (Lam). Muell. Arg. as per WHO Guidelines., **International Journal of Pharma and Bio Sciences.**, 2015, 6(1), 679-689.
73. S. Shanmugam *et al*, Spectrometric Method for the Estimation of Levosulpiride in Bulk drug and Formulations., **A Journal of Drug Design & Discovery.**, 2015, 2(1), 19-23.
74. T.Vetrichelvan *et al*, Synthesis of 6-Aryl Benzimidazo[1,2-C] Quinazoline Derivatives and Their Antimicrobial Evaluation., **International Journal of Scientific Research**, 2015, 1(8), 60-61.
75. T.Vetrichelvan *et al*, Screening of Cytotoxicity Potential of 6-Haloaryl Benzimidazoquinazolines in Hela Cells., **Indian Journal of Applied Research**, 2015, 5(9), 46-47.
76. S.Shoba *et al*, comparative evaluation of anti-arthritic potentials of *pterospermum canescens roxb.* and *pterospermum heyneanum wall.* by freund's complete adjuvant induced arthritis in albino rats., **International Journal of Biological & Pharmaceutical Research**, 2015, 6(12), 982-990.
77. D. Nagavalli *et al*, To Increase the awareness of Anemia among the pregnant women. **World Journal of Pharmacy and Pharmaceutical Sciences**, 2015, 4(10), 1835-1837.

FREQUENCY OF MEETING

Twice in a year

An Internal Research Review committee has been constituted. It is a five-member committee. The function of this committee is to identify and inform the faculty on call for proposals. To evaluate and assess the research projects, to motivate the young students on research and conduction of research methodology workshop.

3.1.2 Does the institution have an institutional ethics committee to monitor matters related to the ethics of inclusion of humans and animals in research?

Yes.

- a. The research activities of the college are monitored by the institutional animal ethics committee (IAEC). The students have to furnish information about their research proposals in Form- B regarding the use of animals.
- b. These proposals are scrutinized by the IAEC before sanctioning approval for the use of animals.

CPCSEA Reg. No.: 409/01/a/CPCSEA

Last meeting held on: 20-07-2015

3.1.3 What is the policy of the university to promote research in its affiliated / constituent colleges?

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- a. To encourage research activities, TNMGRMU has proposed to enhance financial assistance to the students and faculty of the affiliated institutions in the form of research grants.
- b. The University has instituted a committee named, **The Medical University Research Council**, which shall review the applications received. The council, chaired by the Vice Chancellor, consists of a core committee, supported by external and internal reviewers. Through the University Research Council (URC), the varsity aims to fund researches in the field of Allied health sciences (Rupees 50, 000).

3.1.4 What are the proactive mechanisms adopted by the institution to facilitate the smooth implementation of research schemes/projects?

a. Externally funded projects (both government and private agencies):

- * **advancing funds for sanctioned projects.**
- * **providing seed money.**
- * **simplification of procedures related to sanctions / purchases to be made by the investigators.**
- * **autonomy to the principal investigator/coordinator for utilizing overhead charges.**
- * **timely release of grants.**
- * **timely auditing.**
- * **submission of utilization certificate to the funding authorities.**
- * **writing proposals for funding.**
- * **any training given for writing proposals.**

1. Yes, the institution has government research fund from The Tamilnadu Dr. M.G.R. Medical University and The Tamilnadu Pharmaceutical Welfare Trust.
2. A separate bank account is maintained to facilitate the exclusive utility of the funds released for the specific project. The first installment received is immediately made available for the commencement of the project work. Full autonomy is provided to the principal investigator to procure/ purchase in a transparent manner. Whenever necessary, amount required over and above the sanctioned amount has been provided by the management.
3. The management office provides the guidance and support for timely auditing. This has facilitated the successful submission of utilisation certificates with regard to all the grants received. In order to encourage, staff members are extended the benefit of 10% of amount sanctioned as an incentive along with the training given for writing proposals.

b. Institution sponsored projects:

- * **Proportion of funds dedicated for research in the annual budget.**
- * **Availability of funding for research /training/resources.**
- * **Availability of access to online data bases.**

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1. The annual budget proposed by the individual department includes the provision for research projects at UG, PG and Ph.D. levels. In this regard, there is no restriction for funding for the research proposals from the point of view of equipments, consumables and access to online data.
2. The institute has provided Wi-Fi facilities to facilitate access to online databases within the institute premises which are as listed below:
 - ❖ OPACS (Online Public Access Catalogue)
 - ❖ Nirmal Database
 - ❖ Internet Access through Wi-Fi network or broad band connection of 10 mbps.
 - ❖ DELNET.

3.1.5 How is multidisciplinary / interdisciplinary / transdisciplinary research promoted within the institution?

- * between/among different departments / and
- * collaboration with national/international institutes / industries.
- * **Multidisciplinary / Interdisciplinary research among different departments is carried out.**

The projects assigned are such that there is provision for Multidisciplinary / Interdisciplinary research; for example

“Comparative Phytochemical and Pharmacological Evaluation of *Pterospermum canescens* and *Pterospermum heyneanum*”

- ❖ The extraction and characterization of natural products includes the pharmacological/ biological evaluation.
- ❖ Pharmaceutical analysis department co-ordinates the requirements of various quantitative standardization parameters required.

Yes, the institution has established collaboration with national, international institutes and industries.

1. Cassel Research laboratory Pvt Limited, Chennai.
2. Arvind Remedies Ltd, Chennai.
3. Sankar Labs, Chennai.
4. Twenty First Century Pharmaceuticals Pvt. Ltd, Chennai.
5. Appasamy Ocular Devices, Puducherry.
6. Orchid Health Care, Chennai.

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted by the institution to promote a research culture in the institution.

S.No	DATE	WORKSHOPS/ TRAINING PROGRAMS/ SENSITIZATION PROGRAMS / CONFERENCES/ SEMINARS ORGANISED – TITLE
1.	30-01-2016	Seminar on “Recent Innovations in Nano particulate drug delivery system for targeting cancer cells”
2.	28-10-2015	National seminar on ”Current trends in Pharmaceutical Research”
3.	03-01-2015	National seminar on “Recent Trends in Validation of

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		Analytical instruments”
4.	09.03.2015	Seminar on “Sustained release drug delivery system”
5.	02.03.2015	Seminar on “Novel Approaches on Nanoemulsion”
6.	31-10-2014	Seminar on “UV Spectroscopic method developments”
7.	30-10-2014	Seminar on “Transdermal drug delivery system”
8.	18-10-2014	ICMR sponsored National seminar on “Anti retroviral drug delivery for the management of HIV infection using Nanotechnology”
9.	17-09-2014	Seminar on “Advancements in Clinical Pharmacy practice”
10.	15-09-2014	Seminar on “Recent Advances in Pharmaceutics”
11.	14-09-2014	Seminar on “Validation of Analytical methods”
12.	05-09-2014	Seminar on “Current scenario in Pharmacognosy”
13.	02-09-2014	Seminar on “Computer Aided Drug Design”
14.	01-09-2014	Seminar on “Recent trends in Formulation Development using Nanotechnology”
15.	21-06-2014	National seminar on “Recent Advancements in herbal research”
16.	14-03-2014	Guest lecture on “Newer techniques in drug analysis”
17.	12-03-2014	Seminar on “Empirical analysis on data link layer protocols in wireless and wired networks”
18.	10-03-2014	Guest lecture on “Testing of herbal drugs in Animal model”
19.	10-03-2014	National seminar on “Hospital; Pharmacy Practice in Bangladeshi Hospital: The present Scenario”
20.	08-03-2014	Guest lecture on “Novel drug delivery systems”
21.	06-03-2014	Guest lecture on “Newer synthetic steps in drug development”
22.	28-02-2014	Seminar on “Recent trends in Chemical Analysis”
23.	22-02-2014	Guest lecture on “Herbal drugs for Diabetic management”
24.	18-01-2014	National Seminar on “Current trends in Pharmaceutical Research”
25.	18-11-2013	National Seminar on “Recent advancements in Pharmaceutical Sciences”
26.	24-09-2013	Guest lecture on “Advanced Analytical Techniques”
27.	10-09-2013	Guest lecture on “Chemistry of Synthetic Drugs”
28.	05-09-2013	Guest lecture on “New methods for Pharmacological Screening”
29.	31-08-2013	Guest lecture on “Standardisation of Herbal drugs”
30.	06-01-2013	Tamilnadu Pharmacy council sponsored One day refresher course “Updating current trends for the community and hospital pharmacist”
31.	30-07-2012	National seminar on “Pharma manufacturing for regulated market”
32.	31-03-2012	National level seminar on “Recent trends in Pharmaceutical Rsearch”

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33.	08-01-2012	Seminar on “Recent trends in Pharmacy”
34.	27-11-2012	Guest lecture on “Analytical methods development”
35.	26-11-2012	Guest lecture on “Retro synthesis”
36.	13-09-2012	Guest lecture on “Estimation of Biochemical in Biological samples”
37.	31-08-2012	Guest lecture on “Pharmacological evaluation of Hepato protective activity”
38.	30-08-2012	Guest lecture on “Medicinal herbal plants in India”
39.	27-08-2012	Guest lecture on “Sterilisation of Parental Products”
40.	15-10-2011	Seminar on “Recent techniques in Pharmaceutical Analysis”
41.	22-04-2011 to 06-05-2011	AICTE sponsored Staff development programme on “Tools for the design and validation of analytical methods”

3.1.7 How does the institution facilitate researchers of eminence to visit the campus? What is the impact of such efforts on the research activities of the institution?

The following researchers of eminence visited our college periodically and gave their valuable advices on research activities for the institution,

- 1) Prof. Dr. V. Ravichandran, Director, NIPER, Kolkatta.
- 2) Dr. K. Ilango, Director and Dean of research, SRM university, Kattankulathur.
- 3) Dr. K. Chinnaswamy, President, Tamilnadu Pharmacy Council, Chennai.
- 4) Dr. K. Kannan, HOD of Pharmacy, Annamalai university, Chidambaram.
- 5) Dr. S. Kavimani, HOD of Pharmacology, MTPGIHS, Puducherry.
- 6) Mr. Kumar Shanmugam, Chief Research Scientist, Technology Transfer, Orchid Health Care, Chennai.

The visit of the eminent researchers always helped the faculty to understand the recent advancement in the field of pharmaceutical research, possibilities for newer collaborations, work and research efficiency, planning for the future research developments. Their interaction during the visit also helped the researcher to understand their weakness and area to be concentrated in research. Publication protocols, methods of research grant writing also improved through their assessment.

3.1.8 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

The departmental budgetary projections have a provision for research and development based on the individual requirements which on submission in

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advance are sanctioned to take care of consumables required, provision for attending seminars, conferences and subscription to journals.

3.1.9 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

Yes. Our college is affiliated to The Tamilnadu Dr.M.G.R. Medical University and we have received research grants from the university during 2015.

3.1.10 Does the institution encourage research by awarding Postdoctoral Fellowships/Research Associateships? If yes, provide details like number of students registered, funding by the institution and other sources.

Yes. The Institution promotes research by awarding doctoral fellowship only. Currently three students availed this fellowship and they are doing research leading to PhD under TNMGRMU and Anna University. Their names are

1. J. Saminathan, Dept of Pharmaceutical Analysis.
2. G.Abirami, Dept of Pharmaceutical Analysis.
3. A.Umar Faruksha, Dept of Pharmaceutics.
4. S. Shoba, Dept of Pharmacology.
5. S. Sathya, Dept of Pharmacognosy.

3.1.11 What percentage of faculty have utilized facilities like sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the institution monitor the output of these scholars?

There has been no application by any staff member so far in this regard.

3.1.12 Provide details of national and international conferences organized by the institution highlighting the names of eminent scientists/scholars who participated in these events.

DATE	WORKSHOPS/ TRAINING PROGRAMS/ SENSITIZATION PROGRAMS / CONFERENCES/ SEMINARS ORGANISED – TITLE	NAME OF EMINENT SCIENTIST/SCHOLARS PARTICIPATED	TOTAL NO. OF DELEGATES PARTICIPATED
30-01-2016	Seminar on “Recent Innovations in Nanaoparticulate drug delivery system for targeting cancer cells”	Dr.P.Shanmugasundaram , Faculty member, School of Pharmaceutical sciences, Vel’s University, Chennai. Dr.Malarkodi Velraj , Faculty member, School of Pharmaceutical sciences, Vel’s University, Chennai.	50

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		<p>Dr.B.Rama, Faculty member, C.L. Baid Metha college of Pharmacy, Chennai.</p> <p>Dr.R.Padmanaban, Faculty member, Padmavathi college of Pharmacy, Dharmapuri.</p>	
28-10-2015	National seminar on "Current trends in Pharmaceutical Research"	<p>I.Sowkar Baig, Faculty member, Sri Venkateswara college of Pharmacy, RVS nagar, Chittoor, A.P.</p> <p>G.Mariappan, Faculty member, Kamalakshi Pandurangan college of Pharmacy, Thiruvannamalai.</p> <p>S.Sathesh kumar, Faculty member, School of Pharmaceutical sciences, Vel's University, Chennai.</p>	30
18-10-2014	ICMR sponsored National seminar on "Anti retroviral drug delivery for the management of HIV infection using Nanotechnology"	<p>Dr. D. Jebasingh, Faculty member, A.J. college of Pharmacy, Chennai.</p> <p>S.Venkata Prem Sai, Research Scholar, School of Pharmaceutical sciences, Vel's University, Chennai.</p> <p>V.Sundarraaj, MMC, Chennai.</p>	60
06-01-2013	Tamilnadu Pharmacy council sponsored One day refresher course "Updating current trends for the community and hospital pharmacist"	<p>T.Vanathi, Pharmacist.</p> <p>S.Vaithiyalingam, Pharmacist, Villupuram.</p>	60
22-04-2011 to 06-05-2011	AICTE sponsored Staff development programme on "Tools for the design and validation of analytical methods"	<p>D.Jothieswari, Faculty member, Sri Venkateswara college of Pharmacy, RVS nagar, Chittoor, A.P.</p> <p>A.Chandran, Faculty member, PGP college of Pharmaceutical Science and research institute, Namakkal.</p> <p>M.Sudha, JKKN college of Pharmacy, Komarapalayam, Erode.</p>	43

3.1.13 Mention the initiatives of the institution to facilitate a research culture in the below mentioned areas:

- * **Training in research methodology, research ethics and biostatistics.**
- * **Development of scientific temperament.**
- * **Presence of Medical / Bio Ethics Committee.**

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- * **Research linkages with other institutions, universities and centers of excellence. (national and international).**
- * **Research programs in Basic Sciences, Clinical, Operational Research, Epidemiology, Health Economics, etc.**
- * **Promotional avenues for multi-disciplinary, inter-disciplinary research.**
- * **Promotional avenues for translational research.**
- * **Instilling a culture of research among undergraduate students.**
- * **Publication-based promotion/incentives.**
- * **Providing travel grant for attending national/international conference and workshops.**
 - i. The individual PG department takes the initiative in providing training on research methodology, research ethics and classes are conducted on biostatistics. University level workshop for research methodology and exams are conducted, junior faculties are requested to attend the workshop.
 - ii. Our institution has been motivated the undergraduate students to carry out research projects which involve extensive literature reviews, market survey and experimental research thereby exposing them to recent advancements in pharmaceutical sciences.
 - iii. Institutional Animal Ethics Committee and Human Ethics Committee are constituted and are functional.

S.No	NAMES	DESIGNATION IN IAEC
1.	Mrs.S.Shoba, M.Pharm	Chairperson and member Secretary and Biological Scientist.
2.	Mr.C.satheesh Kumar	Scientist from different biological Discipline
3.	Mr.T.Ayyappan	Scientist from different biological discipline
4.	Dr.Rajadurai	Veterinarian
5.	Dr.S.Shanmugam	Scientist In charge of animal house facility
6.	Dr.S.R.Srinivasan	Main Nominee
7.	Shri.N.Bhaskar	Link Nominee
8.	Dr.P.Sriram	Scientist from Outside the Institute
9.	Shri.M.Ravichandran	Socially Aware Nominee

- The institution has research linkages with Industries and Central research institutions.
- Our institution promotes inter and intra disciplinary research within the institution and other sister institutions. Departments from different specialization are involved in joint research.
- Adhiparasakthi College of Pharmacy is actively engaged with collaborative research with other universities and labs within the country.

COLLABORATORS LIST:

- Vel's University, Chennai.
 - Melmaruvathur Adhiparasakthi Institute of Medical Sciences and Research (MAPIMS), Melmaruvathur.
 - Arvind Remedies, Thiruvallur.
 - Twenty First Century Pharmaceuticals Pvt. Ltd, Chennai.
 - Orchid Pharma, Chennai.
 - Appasamy Ocular Devices, Pudhucherry.
-
- As a pharmacy institution most of our research programs were based on basic science, clinical studies and limited number of research in epidemiology and health economics.
 - While sanctioning promotions and increments individual staff members are required to submit a self appraisal which includes the criteria on publications.

3.1.14 Does the institution facilitate

- * **R&D for capacity building and analytical skills in product development like diagnostic kits, biomedical products, etc. for the national / international market.**
- * **Development of entrepreneur skills in health care**
- * **Taking leadership role for stem cell research, organ transplantation and harvesting, Biotechnology, Medical Informatics, Genomics, Proteomics, Cellular and Molecular Biology, Nanoscience, etc.**

Our institution facilitates the students to take up the industrial projects.

3.1.15 Are students encouraged to conduct any experimental research in Yoga and / or Naturopathy?

No.

3.2 RESOURCE MOBILIZATION FOR RESEARCH

3.2.1 How many departments of the institution have been recognized for their research activities by national / international agencies (ICMR, DST, DBT, WHO, UNESCO, AYUSH, CSIR, AICTE, etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.

- The TNMGRMU has been recognized Department of Pharmaceutical Analysis to do research program leading to the award of PhD.
- The institution has received government research fund from The Tamilnadu Dr. M.G.R. Medical University and The Tamilnadu Pharmaceutical Welfare Trust.
- Our Institution encourages staff members to apply funding research in national and international agencies like ICMR, AYUSH, CSIR, AICTE, etc.

Criterion III – Research, Consultancy and Extension

3.2.2 Provide the following details of ongoing research projects of faculty: 2015 - 2016:

Name of the Faculty	M.Pharm/ Ph.D.	Title of the Project	Duration	Grant Received
Mrs. S.Shoba	Ph.D.	Comparative Phytochemical and Pharmacological Evaluation of <i>Pterospermum canescens</i> and <i>Pterospermum heyneanum</i> ”	2010 - 2015	Self funded
Mrs. S.Sathya	Ph.D.	Investigation of β -Sitosterol enriched fraction from the methanolic extract of leaves of Mallotus phillipensis (Lam.) Muell. Against inflammation.	2007 - 2015	Self funded

2014 – 2015:

Name of the Faculty	M.Pharm/ Ph.D.	Title of the Project	Duration	Grant Received
J.Saminathan	Ph.D.	Method Development and Validation of newer analytical methods of drugs.	2008 - 2015	Self funded
A.Umar Faruksha	Ph.D.	Formulation, Evaluation and analysis of Novel Drugs	2008 - 2015	Self funded
G.Abirami	Ph.D	Method Development and Validation of newer analytical techniques.	2008 - 2015	Self funded

Criterion III – Research, Consultancy and Extension

B.Umadevi	Ph.D	Method development and validation of newer analytical methods as per ICH guidelines.	2008 – 2015	Self funded
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3.2.3 Does the institution have an Intellectual Property Rights (IPR) Cell: Nil

3.2.4 Has the institution taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted: Nil

3.2.5 Does the institution have any projects sponsored by the industry / corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

Name of the Agency	Researcher	Title of the Project	Duration of the Project
Tamilnadu Pharmaceutical Sciences Welfare Trust	Mr.E.Bala Priyan	Analysis of Abacavir etc.	2015-2016
	Miss.P.Ponguzhali	UV and HPLC Studies	2014-2015
	Mr.A.Sampath	Formulation and evaluation of quetiapine fumarate loaded carbopol 974p mucoadhesive microspheres for the treatment of schizophrenia	2011-2012

3.2.6 List details of

a. Research projects completed and grants received during the last four years (funded by National/International agencies).

b. Inter-institutional collaborative projects and grants received

i) National collaborations

ii) International collaborations

Name of the Agency	Researcher	Title of the Project	Duration of the Project
Tamilnadu Pharmaceutical Sciences Welfare Trust	Mr.E.Bala Priyan	Analysis of Abacavir etc.	2015-2016
	Miss.P.Ponguzhali	UV and HPLC Studies	2014-2015
	Mr.A.Sampath	Formulation Studies on Quetiapine etc.	2011-2012

3.2.7 What are the financial provisions made in the institution budget for supporting students' research projects?

The entire expenditure on procurement of glassware and equipments are provided by the institution. Facility of computer, printing, internet facilities is provided by the institution.

3.3 RESEARCH FACILITIES

3.3.1 What efforts have been made by the institution to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?

Adequate infrastructure and equipments are provided to all the departments to conduct research. Fully air-conditioned rooms with sophisticated equipments are available in the campus to facilitate research.

S.No.	EQUIPMENT NAME
1.	Rotary Tablet Punching Machine
2.	Eight Stages Tablet Dissolution Test Apparatus
3.	Digital Tablet Friability Test Apparatus
4.	Digital Tablet Disintegration Test Apparatus
5.	Fluorimeter
6.	Double Beam UV Spectrophotometer
7.	Double Beam UV Spectrophotometer with software
8.	Two more Electronic Balance
9.	Micro Centrifuge
10.	Magnetic Stirrer with Hot Plate
11.	Digital Magnetic Stirrer
12.	Mini Rotary Shaker
13.	Bio Test Power Pack Electrophoresis Systems
14.	Digital Automatic Tablet Density Test Apparatus
15.	Leak Test Apparatus with Large Dessicator
16.	Digital Single Stage Tablet Dissolution Apparatus
17.	Nitrogen Gas Cylinder with two stage nitrogen brass regulator
18.	Lucas Moist Chamber
19.	Advanced Centrifuge
20.	Plethysmograph
21.	Trinocular Microscope
22.	Sterility Test Unit
23.	Projection Microscope
24.	Distillation Unit
25.	Homogenizer
26.	Ampoules Washing Machine
27.	Aseptic Cabinet
28.	Humidity Control Oven

Criterion III – Research, Consultancy and Extension

29.	Liquid Filling Machine
30.	Programmable Viscometer
31.	BOD incubator
32.	Tray Dryer
33.	Bottle Washing Machine
34.	Digital Vernier Caliper
35.	Paper Electrophoresis
36.	Electronic Top Loading Balance
37.	Electronic Portable Balance
38.	Inco Two Unit Thermostatic Organ Bath
39.	Shimadzu Electronic Analytical Balance
40.	Infocus Projector
41.	Single Beam UV - Visible Spectrophotometer
42.	FTIR
43.	Analgesiometer
44.	HPLC
45.	Colony Counter
46.	Six Stage Dissolution Apparatus
47.	Tincture Press
48.	Ampoule Filling and Sealing Machine
49.	Tablet Coating Pan
50.	Polishing Pan
51.	Tablet Hardness Tester
52.	Capsule Filling Machine
53.	Rota rod
54.	Over Head Projector
55.	Autoclave
56.	Incubator
57.	Laminar Air Flow
58.	W.T.C. Deionizer
59.	Hot Air Oven
60.	Vaccum Pump
61.	Melting Point Apparatus
62.	Refractometer
63.	Polarimeter
64.	Centrifuge
65.	Donar Balance
66.	Colorimeter
67.	Microscope
68.	Electrical Kymograph with Drum and Organ Bath

Some of the facilities include:

- Instrumentation lab
- Animal house Facility
- Medicinal plant garden
- Access to various e-resources
- Collaborative research programme with diverse industries and research organization
- Access to specialized research facility through MOUs
- Each department is provided with a departmental library.
- Separate provisions are made for research scholars to access internet.
- Research review meetings are conducted on a weekly basis to facilitate continuous monitoring, overcoming hurdles and also to expose the junior research scholars.

3.3.2 Does the institution have an Advanced Central Research facility? If yes, have the facilities been made available to research scholars? What is the funding allocated to the facility?

Yes. The advanced central research facilities present are made available for in-house Ph.D. research scholars and also for outsiders.

3.3.3 Does the institution have a Drug Information Centre to cater to the needs of researchers? If yes, provide details of the facility.

Yes, Drug Information Center facility is available. The center subscribes **DELNET, INVENTI IMPACT** and **TNMGRMU E - CONSORTIUM** in which the researchers can access research papers published in consent field of research.

3.3.4 Does the institution provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Residential facilities with computer and internet connections are available in our hostels. Resource persons and scientists participating in our seminars and conferences are accommodated in our guest house.

3.3.5 Does the institution have centres of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories.

Department of Pharmaceutical Analysis was recognized by TNMGRMU, Chennai as PhD research centers.

Mr. J.Saminathan, Mrs.G.Abirami, Mr.A.Umar Faruksha and

Mrs. B.Umadevi have completed their Ph.D.

Mrs. S.Sathya has submitted her Phd theses.

Mrs. S. Shoba Pursuing her Ph.D.

Criterion III – Research, Consultancy and Extension

3.3.6 Clinical trials and research

- * Are all the clinical trials registered with CTRI (Clinical Trials Research of India)?
- * List a few major clinical trials conducted with their outcomes.
Not Applicable.

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1 Does the institution publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

No.

3.4.2 Give details of publications by the faculty and students:

- * (A). Number of papers published in peer reviewed journals (national / international) – Total number of papers published : 73
- * Monographs - Nil
- * Chapters in Books - Nil
- * Books edited - Nil
- * Books with ISBN with details of publishers - Nil
- * (B). Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, EBSCO host, Google scholar, etc.)
- * (C). Citation Index – range / average
- * (D). Impact Factor – range / average
- * (E). Source Normalized Impact per Paper (SNIP)
- * (F). SCImago Journal Rank (SJR)
- * (G). h-index

FACULTY NAME	A		B	C	D	E	F	G
	A ₁	A ₂						
Dr.T.Vetrichelvan	3	-	03	03	0.43-2.13	01	19	01
Dr.S.Shanmugam	10	-	10	106	0.29 – 1.09	06	12	07
Dr.D.Nagavalli	8	-	08	118	0.751-5.210/2.549	04	02	06
Mrs.S.Shoba	01	-	01	-	-	01	-	-
Dr.J.Saminathan	05	01	05	33	0.515-3.239/1.496	01	01	04
Mr.T.Ayyappan	10	-	10	159	0.29-1.09	06	06	07
Dr.G.Abirami	10	-	10	14	0.35-6.041/2.219	05	05	03
Dr.A.Umar Faruksha	02	-	02	-	-	01	-	-
Mrs.S.Sathya	01	-	01	-	5.121	01	-	-
Ms.T.Sangeetha	03	-	03	-	-	01	-	-

Criterion III – Research, Consultancy and Extension

3.4.3 Does the institution publish any reports/compilations/clinical round-ups as a part of clinical research to enrich knowledge, skills and attitudes: Nil.

3.4.4 Give details of

- * faculty serving on the editorial boards of national and international journals
- * faculty serving as members of steering committees of national and international conferences recognized by reputed organizations / societies

S.No	Name	Recognitions
		National level
1.	Dr. T. Vetrichelvan	Senate member, The Tamil Nadu Dr MGR Medical University. Member of “Board of Studies in Research” in The Tamil Nadu Dr MGR Medical University. Faculty member of Pharmacy in The Tamil Nadu Dr MGR Medical University
2.	Dr. S. Shanmugam	Member of “Board of Studies in Pharmacy” in The Tamil Nadu Dr MGR Medical University. Ph.D Screening committee member The Tamil Nadu Dr MGR Medical University. STM Journal editor and reviewer.
3.	Dr. D. Nagavalli	Faculty member of Pharmacy The Tamil Nadu Dr MGR Medical University Ph.D Screening committee member Vel’s University, Chennai Reviewer of Journal of Chromatography Reviewer of Indian journal of Pharmaceutical sciences
4.	Mr. T. Ayyappan	Reviewer of American associates of Pharmaceutical society.
5.	Dr. J. Saminathan	Reveiwler of Indian journal of Pharmaceutical sciences, International journal of Frontiers in science and technology and Journal of basic and Clinical Pharmacy.

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3.4.5 Provide details for the last four years

- * research awards received by the faculty and students
- * national and international recognition received by the faculty from reputed professional bodies and agencies

STUDENT / FACULTY NAME	AWARDS / RECOGNITIONS
	NATIONAL
Dr.T.Vetrichelvan	Best Teacher Award (2011) – The Tamilnadu Dr. M.G.R Medical University, Chennai.
Dr.S.Shanmugam	Best Teacher Award (2011) – The Tamilnadu Dr. M.G.R Medical University, Chennai. Second prize for his M.Pharm. project from Tamilnadu Pharmaceutical Science Welfare Trust 2011-2012.
Dr.D.Nagavalli	Best Teacher Award (2012) – The Tamilnadu Dr. M.G.R Medical University, Chennai. Second prize for her M.Pharm. project from Tamilnadu Pharmaceutical Science Welfare Trust 2014-2015.
J.Saminathan	Ph.D Award Second prize for his M.Pharm. project from Tamilnadu Pharmaceutical Science Welfare Trust 2015-2016.
G.Abirami	Ph.D. award
A.Umar Faruksha	Ph.D. award
B.Umadevi	Ph.D. award

3.4.6 Indicate the average number of post graduate and doctoral scholars guided by each faculty during the last four years.

S.No	NAME OF THE FACULTY	PG STUDENTS GUIDED	Ph.D. STUDENTS GUIDED
1.	Dr.T.Vetrichelvan	10	6 awarded
2.	Dr.S.Shanmugam	15	Nil
3.	Dr.D.Nagavalli	12	Nil
4.	Mr.K.Sundaramoorthy	12	Nil
5.	Mr.T.Ayyappan	13	Nil
6.	Dr.G.Abirami	04	Nil
7.	Dr.A.Umar Faruksha	02	Nil

3.4.7 What is the official policy of the institution to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.

Some of the official policies of the institution to check malpractices and plagiarism in research

- For U.G, P.G and Ph.D those who are carried out research work is monitored by the research guides. For Ph.D. research work, the research guides are required to forward a copy of the synopsis to the PhD review committee which scrutinizes the eligibility of the PhD thesis before submitting to the university.
- It is mandatory to submit certificate from the research student and guide stating that the work carried out is original and references and other contributions have been duly acknowledged.
- No cases of plagiarism have been reported till date.

3.4.8 Does the institution promote multi/interdisciplinary research? If yes, how many such research projects have been undertaken and mention the number of departments involved in such endeavors?

Yes. The research projects in the department of Pharmaceutical Chemistry, Pharmacognosy are interlinked with department of Pharmacology for biological evaluations. Similarly, the research projects in the department of Pharmaceutics are interlinked with the department of Pharmaceutical Analysis for spectral analysis, Adhiparasakthi Engineering College and Melmaruvathur Adhiparasakthi Institute of Medical Sciences and Research. On the same lines, the department of Pharmaceutical Chemistry is dependent on the department of Pharmaceutical Analysis, Pharmacognosy and Pharmacology.

3.4.9 Has the university instituted any research awards? If yes, list the awards.

Yes. Mr. J.Saminathan, Mrs.G.Abirami, Mr.A.Umar Faruksha and Mrs.B.Umadevi have awarded their PhD.

3.4.10 What are the incentives given to the faculty and students for receiving state, national and international recognition for research contributions?

- Our institution has been supporting our faculties to attend various national conferences, seminars and workshops.
- Our institution has given permission to students and faculties to carry out their work in other laboratories and Universities
- The students are motivated by providing exposure to work on strategic areas of research and other benefits.

3.4.11 Give details of the postgraduate and research guides of the institution during the last four years.

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S.No	NAME OF THE FACULTY	PG STUDENTS GUIDED	Ph.D. STUDENTS GUIDED
1.	Dr.T.Vetrichelvan	10	6 awarded
2.	Dr.S.Shanmugam	15	Nil
3.	Dr.D.Nagavalli	12	Nil
4.	Mr.K.Sundaramoorthy	12	Nil
5.	Mr.T.Ayyappan	13	Nil
6.	Dr.G.Abirami	04	Nil
7.	Dr.A.Umar Faruksha	02	Nil

3.5 CONSULTANCY:

3.5.1 What are the official policy/rules of the institution for structured consultancy? List a few important consultancies undertaken by the institution during the last four years.

The Institution – Industry Interaction Cell is communicating with various pharmaceutical industries and organizations to undertake consultancy activities in areas of research expertise of the faculty members of the institute. As the institute is equipped with sophisticated facilities, it is providing consultancy to students from different institutes with minimal monetary involvement in the larger interest of the student community. The institute has a structured policy to address and guide the professional and consultancy activities of the faculty, both within and outside the institute. These policies provide the faculty a great deal of flexibility and autonomy in engaging in professional activities that contribute to the upliftment of the profession and for the betterment of the student community at large.

3.5.2 Does the university have an industry institution partnership cell? If yes, what is its scope and range of activities?

Yes. Our institution has formed an Institution – Industry Interaction Cell communicating with renowned persons from industries by the faculties of our institute. The Institution – Industry Interaction Cell specifically advises and guides in initiating joint collaborative research work thereby improving the quality of technical education provided.

The activities conducted under the Institution – Industry Interaction Cell include

- Joint collaborative research projects with various organizations through MOU.
- Organization of guest seminars by eminent resource persons from the industry.
- Conduct of various collaborative workshops and training activities.

3.5.3 What is the mode of publicizing the expertise of the institution for consultancy services? Which are the departments from whom consultancy has been sought?

The expertise of the institution for consultancy services is publicized through its website, faculty participation in conferences and workshops, through the

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MOU's signed and alumni of the institute. The authorized person of industry and institute has signed a MOU copy and that plays a pivotal role in publicizing its consultancy activities.

3.5.4 How does the institution utilize the expertise of its faculty with regard to consultancy services?

The institution has an open mind and has provided all encouragement in furthering the concept of offering consultancy services to various industries.

3.5.5 Give details regarding the consultancy services provided by the institution for secondary and tertiary health care centers and medical / dental practitioners.

Institution is providing drug and poison information services to nearby villages by conducting periodical awareness programs.

3.5.6 List the broad areas of consultancy services provided by the institution and the revenue generated during the last four years.

Areas of consultation with revenue services are Pharmaceutical analysis (method development for drugs in bulk, dosage forms and plasma), Pharmaceutics (regarding preformulation and formulation studies) also in other departments like herbal drug technology and experiments on animals and their interpretation with new plant extracts and novel formulations. Beneficiaries are mainly research scholar, faculties and industries.

3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

3.6.1 How does the institution sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programs which have created an impact on students' campus experience during the last four years.

The institute takes significant efforts to sensitize its faculty and students about their social responsibilities through involvement and participation in various programmes including seminars/ workshops/training, awareness programmes, holding health camps, and other such outreach programmes. Some of the major social outreach programmes that has created an impact

These initiatives from the management have a great impact in sensitizing not only the faculty but also the students and make them recognize their social responsibilities.

- Orientation and training programmes.
- Conduct of medical camps.
- Health awareness talks on various initiatives, communicable and noncommunicable diseases during pharmacy week celebrations.
- Pharma exhibition regarding organics..
- Blood donation camp in association with MAPIMS Hospital.
- Organization of NSS special camp at every year in surrounding village.
- Rally conducted on World AIDS Day, World environmental Day.
- Conducting guest lecture for women's development on Women's day.

**Rally conducted on World AIDS Day,
World environmental Day**



**Street play and debate
topic during Aspiration**



Our College staffs actively participated in various events.

3.6.2 How does the institution promote university-neighborhood network and student engagement, contributing to the holistic development of students and sustained community development?

The NSS activity is the extension of the university social outreach activity. The college promotes organization of different programs in rural areas and villages, like village adaptation, medical camps, class on personal hygiene, green and eco friendly environment for teaching.

To take part in the National Schemes awareness programs (Free Tobacco Area, HIV awareness rally)

The college provides opportunities to the students to take part in the following activities

- Health care outreach program in the adopted village
- Providing patient counseling in the hospital
- Functioning of drug information centre
- Educating the school students in the adopted village

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- Planting of trees in the adopted village school and maintaining the same during NSS.
- Helping the primary school students of adopted village by providing study aids like dictionary, note books and stationery items.

Planting of trees in the adopted village school



Helping the primary school students



3.6.3 How does the institution promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programs?

A separate NSS unit recognized by the TNMGRMU, Chennai is functioning in the college. One staff member from the institution is appointed as NSS co-ordinator to coordinate all the NSS activities.

The college NSS unit invites volunteers from the student body

- Orientation programme is organized to train the faculty for assuming the responsibility of the coordinator of the college unit.
- Class room orientation and awareness talks are conducted to seek students' enrollment in the unit.
- Creating awareness on hygiene and cleanliness communicable diseases, cleanliness of toilet observing days of National importance.
- Blood donation camps
- Health camps
- Medical camps
- Anti Aids Activity – through Red Ribbon Clubs.

The NSS Co-ordinator will organize the special and regular camps every year. The students are encouraged to enroll themselves in the NSS program. Blood Donor Club, Youth Red Cross and Red Ribbon Club are also functioning in the college with the designated faculty as in charge. The programs are conducted as per the circulars given by the University.

YRC and RRC

Youth Red Cross and Red Ribbon Club are functioning.

Blood donor club

Volunteers have been regularly donating blood to Blood Bank.

**Photos of NSS
Blood donation Awareness Programme**



3.6.4 Give details of social surveys, research or extension work, if any, undertaken by the institution to ensure social justice and empower the underprivileged and the most vulnerable sections of society?

Some of the social activities that are undertaken by the institute are given below:

- Rallies on Eco friendly and street plays were conducted to create awareness on social issues by YRC.
- Conducted camps and orientation programmes for the people from rural areas to sensitize them on various social issues.
- Conducted health checkups to assess the health status of the people from rural areas.
- Donation of medicines and financial assistance to orphanages.

3.6.5 Does the institution have a mechanism to track the students' involvement in various social movements / activities that promote citizenship roles?

Yes, the mechanisms adopted by the institute to track the students' involvement in various social movements / activities that promote citizenship roles as follows:

- NSS Special camp
- Cultural committee
- Promoting Students to involve in various social movements and activities by observing a day of National / International importance.
- All the above mentioned social activities/projects are supervised/monitored by teaching/clinical preceptors.

3.6.6 How does the institution ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the institution that have encouraged community participation in its activities.

The institute ensures the involvement of the community in its outreach activities. Many of its social outreach activities are conducted in collaboration with various government and private agencies.

- ❖ Pharmacy Exhibition

- ❖ Initiative of the institution to encourage the community participation
- ❖ Publicity through banners and hand outs
- ❖ Free health check up
- ❖ Free distribution of medicines
- ❖ By writing articles in news papers awareness about the pharmacy profession has increased which has resulted in the number of admissions to B.Pharm.
- ❖ "Prevention is better than cure", on these lines our community based services ensure its development.
- ❖ Overwhelmed response from the public for all free health care camps reflects institution's initiative and support rendered.

3.6.7 Give details of awards received by the institution for extension activities and/contributions to social/community development during the last four years.

1. Best performance award received by our college in Youth Red Cross movement on account of 65th anniversary of Geneva conventions celebration during the year 2014.
2. Indian association for the blind-Refining abilities Rescripting lives has gave award for outstanding excellence and amazing commitment towards voluntary contribution during the year 2014-2015 for the empowerment of person with visually changed.

3.6.8 What intervention strategies have been adopted by the institution to promote the overall development of students from rural/ tribal backgrounds?

- ❖ Special attention is given towards the overall development of rural / tribal background students.
- ❖ Most of the students are coming from rural areas, so they have language problems for that we are conducting special coaching class. Both written and spoken English learning skills are developed.
- ❖ In case of students from economically backward classes, the institute has made provisions for payment of fees in installments etc.

3.6.9 What initiatives have been taken by the institution to promote social-justice and good citizenship amongst its students and staff? How have such initiatives reached out to the community?

The institution's Vision, Mission and Quality Policy are exhibited in the campus and constant mention and discussion of the same ensure the promotion of social justice and good citizenship among students and staff.

- ❖ Donation towards national calamities.
- ❖ Distribution of clothes to poor and needy.
- ❖ Contribution towards blind association.
- ❖ Internal security for women.
- ❖ Free medicine distribution.

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3.6.10 How does the institution align itself with the annual themes/programs of WHO/ICMR?

This year theme for Pharmacy week celebration is “Responsible use of safety medicine”. We conduct a week long programme during the national pharmacy week by inviting doctors, pharmacists and social workers as guests to address the public functions organised in the institution.

Annual themes Particulars	Annual themes Particulars
Pharmacy, Health and Education	July 11-World Population day
	September 16-International Day of Preservation of the Ozone Layer
	September 21-Biosphere day, World Alzheimers Day
	September 24- World Heart Day
	September 25-World Pharmacist Day
	November -14 World Diabetes Day
	November- 3rd to 4th week IPA Week
	December -1 AIDS Awareness Day
	February-4 World Cancer Day
	February-28 National Science Day
Social issues	October-1 International Day for Aged
	October 4- World Animal Day
	March 8-International Women Day.
Others	August 15 –Independence Day
	September 5- Teacher’s Day
	January 26-Republic Day

3.6.11 what is the role of the institution in the following extension activities?

- * **Community outreach health programs for prevention, detection, screening, management of diseases and rehabilitation by cost effective interventions.**
- * **Awareness creation regarding potable water supply, sanitation and nutrition.**
- * **Awareness creation regarding water-borne and air-borne communicable diseases.**
- * **Awareness creation regarding non-communicable diseases - cardiovascular diseases, diabetes, cancer, mental health, accident and trauma, etc.**
- * **Awareness creation regarding the role of healthy life styles and physical exercise for promotion of health and prevention of diseases.**
- * **Awareness creation regarding AYUSH Systems of medicines in general and / or any system of medicine in particular.**
- * **Complementary and alternative medicine.**
- * **Pharmaco economic evaluation in drug utilization.**
- * **Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIVAIDS, Blindness control, Malaria, Tuberculosis, School Health, anti tobacco campaigns, oral health care, etc.**

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- * **Promotion of mental health and prevention of substance abuse.**
- * **Adoption of population in the geographical area for total health care.**
- * **Research or extension work to reach out to marginalized populations.**
 - ❖ Programme have been organised along with distribution of free medicines.
 - ❖ Awareness creation regarding potable water supply, sanitation and nutrition.
 - ❖ Awareness programmes have been organized with regard to the importance of hygiene and cleanliness at school levels. Vitamin supplements and protein powders have been distributed.
 - ❖ Awareness creation regarding water-borne and air-borne communicable diseases.
 - ❖ Lectures and pictorial presentations have been organised in schools management.
 - ❖ Awareness creation regarding non-communicable diseases - cardiovascular diseases, Diabetes, cancer, mental health, accident and trauma, etc.
 - ❖ The importances of timely medical health during accidents and trauma have been highlighted in the presentations delivered during creation of awareness regarding non- communicable diseases.
 - ❖ Awareness creation regarding the role of healthy life styles and physical exercise for Promotion of health and prevention of diseases.
 - ❖ Presentations signifying the importance of regular exercise, yoga and meditation have been delivered.

Participation in national programs like Family Welfare, Mother and Child Welfare, Population Control, Immunization, HIV AIDS, Blindness control, Malaria, Tuberculosis, School Health, anti tobacco campaigns, oral health care, etc. These concepts are taken care of during our awareness programmes conducted in schools

- ❖ Promotion of mental health and prevention of substance abuse.
- ❖ Adoption of population in the geographical area for total health care.

3.6.12 Do the faculty members participate in community health awareness programs? If yes, give details.

Yes. As a pharmacist and part of the health team our faculties are involved in drug related counseling activity

- ❖ Health awareness talks and interactions.
- ❖ Distribution of free medicines at health camp.

3.6.13 How does the institution align itself and participate in National program for prevention and control of diseases?

APCP coordinates with MAPIMS hospital of Melmaruvathur, TamilNadu, on such activity and no direct involvement in the health sector.

3.7 COLLABORATIONS

3.7.1 How has the institution's collaboration with other agencies impacted the visibility, identity and diversity of campus activities? To what extent has the institution benefitted academically and financially because of collaborations?

Institution has collaborations with Pharmaceutical Industries such as Medopharm Private Limited Chennai, Richer Health care Hyderabad, Mylan laboratories, Hyderabad. Bonn schtering Biosciences, Puducherry. etc.

The following are the beneficial outcomes:

- Placements of our students.
- Financial assistance to our students.
- Opportunities for industrial projects
- Enhancement of scientific temper among the students and staff.
- Mutually beneficial Industry – Academy interaction.

3.7.2 Mention specific examples of how these linkages promote

- * **Curriculum development**
- * **Internship**
- * **On-the-job training**
- * **Faculty exchange and development**
- * **Research**
- * **Publication**
- * **Consultancy**
- * **Extension**
- * **Student placement**
- * **Any other (specify)**

Curriculum development - Curriculum for the Pharmacy program is designed by the affiliating university. Hence, there is no direct benefit to implement the findings in the curriculum. However, additional inputs to the students are given to include the newer techniques and topics to study along with the regular subjects who are given through assignments and power point presentations.

Internship - It is helping our students to undergo industrial or hospital training which is mandatory. B.Pharm final year students undertake internships.

On-the-job training - Our PG students who are doing the project work in industries get on the job training which has helped them in their placements. Similarly, UG students during the mandatory training period also get benefitted.

Faculty exchange and development - This has helped us to call staff from industries to deliver guest lectures.

Research - Our post graduate students carry out their research projects in the industries.

Publication – Publication of research papers in national and international journals by including the industry name in the acknowledgement section.

Consultancy - Consultancy services have been provided to other colleges for their project works.

Criterion III – Research, Consultancy and Extension

Extension - These linkages have helped to extend the pharmaceutical services and understand the newer trend in the pharmaceutical field. This link also helped to explore the newer technologies and techniques in drug delivery and development.

Student placement - Many UG and PG students have been placed by placement cell.

3.7.3 Has the institution signed MoUs or filled patents with institutions of national/international importance/other universities/ industries/corporate houses etc.? If yes, how have they enhanced the research and development activities of the institution?

The institution has signed MOU with the following industries

- ❖ Ocean health care limited, Chengelpattu, TamilNadu
- ❖ Micro Therapeutic Research labs Pvt. Ltd., Chennai, TamilNadu.
- ❖ Arvind Remedies Ltd, Thiruvallore District, TamilNadu.
- ❖ Cassel Research laboratories Pvt. Limited., Chennai, TamilNadu.
- ❖ Axon Drugs Private Limited, Chembarambakkam, TamilNadu.

Certainly, the MOU enhanced the research and developmental activities and the institution is constantly working on enhancing the research and developmental activities.

3.7.4 Have the institution-industry interactions resulted in the establishment / creation of highly specialized laboratories / facilities?

Yes. The following laboratories have been established in APCP with the guidance of the industrial experts in Research Advisory Committee.

3.7.5 Give details of the collaborative activities of the institution with the following:

- * **Local bodies/ community**
- * **State government / Central government /NGOs**
- * **National bodies**
- * **International agencies**
- * **Health Care Industry – Biomedical, Pharmaceutical, Herbal, Clinical Research Organization (CRO)**
- * **Service sector**
- * **Any other (specify)**

Local bodies/ community – ACMEC TRUST– encourages conduct of cultural activities ,Academic activities and promotes and honors talented students, and other social workers They are responsible for tackling the grievances of the residents of the locality and to improve the civic amenities.

State government / Central government /NGOs - In association with Tamil Nadu state AIDS Prevention Society, we have organized poster drawing competition and awareness programmes.

National bodies – Funds for conducting seminars has been received from The Tamilnadu Dr.M.G.R Medical University.

List of Pharmaceutical Companies associated with APCP

Name of the Companies

- ❖ Ocean health care limited, Chengelpattu, TamilNadu
- ❖ Micro Therapeutic Research labs Pvt. Ltd., Chennai, TamilNadu.
- ❖ Arvind Remedies Ltd, Thiruvallore District, TamilNadu.
- ❖ Cassel Research laboratories Pvt. Limited., Chennai, TamilNadu.
- ❖ Axon Drugs Private Limited, Chembarambakkam, TamilNadu.

Certainly, the MOU enhanced the research and developmental activities and the institution is constantly working on enhancing the research and developmental activities. These companies help us in placements .We have organised job fair on the campus with these industries.

- 3.7.6 Give details of the activities of the institution under public-private partnership.**
Not applicable

Criterion IV – Infrastructure and Learning Resources

CRITERION IV: INFRASTRUCTURE AND LEARNING RESOURCES

4.1 PHYSICAL FACILITIES

4.1.1 How does the institution plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

- ❖ Our institution strictly follows the AICTE, PCI, and The Tamilnadu Dr. M.G.R. Medical University norms to have sufficient infrastructure facility to conduct Pharmacy courses.
- ❖ Classrooms have comfortable seating arrangement.
- ❖ Computer rooms are equipped with adequate computer connected to internet.
- ❖ Library is well equipped with print as well as electronic resources for use of students and faculty.
- ❖ Electricity and water supply is made available as campus facility.
- ❖ Institute is providing separate common rooms for boys and girls.

Details of infrastructural facilities are given below:

Building

1. Available Built up area per student 25.46 sqmts.
2. Total Built up Area for the existing programme(s): 7489 sqmts.

Particulars	Area required as per norms (Sq.M)	Building with RCC Roof (Sq.M)	Building with Sheet Roof (if suitable for Educational Institution) (Sq.M)	Total sanctioned intake (last 4 yrs. for Engg./Pharmacy/HMCT/ Arch. etc. 2 yrs. MBA/ PGDBM and 3 yrs. for MCA)	Built up area per student	Total Area Available (Sq.M)
Instructional Area (Carpet Area)	2160	3432	--	294	11.67	3432
Administrative Area (Carpet Area)	240	642	--	294	2.18	642
Amenities (Carpet Area)	480	1176	--	294	4.0	1176
Circulation & Others	854	2239	--	294	7.61	2239
Total	3734	7489	--		25.46	7489

Instructional Area for the existing programme(s)

Criterion IV – Infrastructure and Learning Resources

Particulars	Number of rooms		Carpet area of each room	
	Requirement as per norms	Available in the institution	Requirement as per norms	Available in the Institution (Sq.M)
Class Rooms	3+3	7	6x66	879
Tutorial Hall	3	3	3x36	162
Drawing Hall (*)	-	-	-	--
Computer Centre	1	1	75	150
Library	1	1	150	240
Laboratories & workshops	13	17	1450	2061
Total	24	29	2179	3492

Room No.	Area Type	Carpet (in Sq. m)
1.	Administrative Office	75
2.	Principal Chamber	161
3.	Machine Room	154
4.	Pharmaceutics Laboratory - I	122
5.	Pharmaceutics Laboratory - II	122
6.	Toilet Boys	100
7.	Lecture Hall - I	90
8.	Pharmaceutics - HOD Cabin	26
9.	Staff Room	26
10.	Staff Room	26
11.	Staff Room	26
12.	Lecture Hall - Pharmaceutical Analysis	90
13.	Toilet Girls	100
14.	Pharmaceutical Chemistry Laboratory - I	122
15.	Store Room - Chemicals	61
16.	Lecture Hall - Pharmaceutics	66
17.	M. Pharm - Pharmaceutics Laboratory - I	122
18.	M. Pharm - Pharmaceutics Laboratory - II	122
19.	Vice President Chamber	150
20.	Store Room - Stationary	75
21.	M. Pharm - Pharmaceutical Chemistry Laboratory - II	90
22.	Physiology Laboratory	93
23.	Museum / Animal House	75
24.	Pharmacology Laboratory	122
25.	Pharmaceutical Chemistry Laboratory - III	122
26.	Toilet Boys	100
27.	Lecture Hall - II	90
28.	Pharmaceutical Chemistry - HOD Cabin	26
29.	Pharmacology - HOD Cabin	26
30.	Staff Room	26
31.	Pharmaceutical Analysis - HOD Cabin	26

Criterion IV – Infrastructure and Learning Resources

32.	Lecture Hall - III / Tutorial	90
33.	Toilet Girls	100
34.	Pharmaceutical Chemistry Laboratory - II	122
35.	Instrumentation Laboratory	75
36.	Research Lab - Pharmaceutical Analysis	75
37.	M. Pharm - Pharmaceutical Analysis Laboratory - I	90
38.	M. Pharm - Pharmaceutical Analysis Laboratory - II	75
39.	M. Pharm - Pharmaceutical Chemistry Laboratory - I	90
40.	Boys Common Room / Tutorial	90
41.	Seminar Hall	190
42.	Lecture Hall - Pharmaceutical Chemistry	90
43.	Examination Hall	256
44.	Library	256
45.	Reading Room	90
46.	Staff Room	26
47.	Staff Room	26
48.	Staff Room	26
49.	Pharmacognosy - HOD Cabin	26
50.	Faculty Research Laboratory	90
51.	Lecture Hall - IV	128
52.	Computer Laboratory	90
53.	Pharmacognosy Laboratory	122
54.	Pharmaceutical Biotechnology Laboratory	122
55.	UPS / Maintenance Room	24
56.	Rest Room - Girls	90

4.1.2 Does the institution have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Adhiparasakthi College of Pharmacy is still upgrading its infrastructure to meet the changing needs of the academic environment and provide sufficient funds in its budget to meet the expanding needs. The institution has been continuously improving the infrastructure facilities to keep speed with academic growth.

4.1.3 Has the institution provided all its departments with facilities like office room, common room and separate rest rooms for women students and staff?

Yes. Our institution has provided all the common facilities like office room, common room and separate rest rooms for both girls and boys and staffs.

4.1.4 How does the institution ensure that the infrastructure facilities are barrier free for providing easy access to college and hospital for the differently-abled persons?

Criterion IV – Infrastructure and Learning Resources

Our institution does not have any disabled students. Though, we have wheel chairs for the disabled students.

4.1.5 What special facilities are available on campus to promote students' interest in sports and cultural events/activities?

Sports: Institution provides facilities for playing and practicing various outdoor games like volleyball, football, cricket, kabaddi, kho-kho, badminton, etc. Indoor games like chess, carroms etc. are also available for the students.

Cultural: Our students are encouraged to participate in various cultural events like Amma's Birthaday Celebration, Freshers day Celebrations and Thirumathi Amma's Birthaday Celebrations Etc.

4.1.6 What measures does the institution take to ensure campus safety and security?

- ❖ A security guard is available at any time in our college campus.
- ❖ Fire extinguishers are placed at different locations like corridors, laboratories, and stores.

4.1.7 Facility of Animal House

- **Is animal house maintained as per CPCSEA guidelines** - Yes. Our institution has maintained animal house as per CPCSEA guidelines.
- **Whether records of animal house are maintained for learning and research activities** - Yes. Our institution has maintained learning and research activities as per CPCSEA guidelines.
- **Does the animal house have approval for breeding and selling experimental animals as per CPCSEA guidelines** - No.

4.1.8 Provide the following details on the use of laboratories / museums as learning resources:

- ❖ **Number:** Eighteen Laboratories are functioning in various departments like Pharmaceutical Chemistry, Pharmaceutical Analysis, Pharmaceutics, Pharmacology and Pharmacognosy.
- ❖ **Maintenance and up-gradation:** Building maintenance is carried out by Attenders of our College. Lab maintenance is carried out by respective Lab in-Charges. Regular up gradation is done as per necessity of the departmental research and learning processes.
- ❖ **Descriptive catalogues in museums:** Museums have been established as per PCI norms.
- ❖ **Usage of the above by the UG/PG students:** All the above learning resources have been utilized by all UG and PG students at maximum level. Use of major equipments is monitored with the help of log books.

4.1.9 Dentistry

- * **Dental chairs in clinic – specialty wise** : Not Applicable
- * **Total dental chairs**
- * **Schedule of chair side teaching in clinics – specialty wise**
- * **Number of procedures in clinics per month and year**

Criterion IV – Infrastructure and Learning Resources

- * **Mobile dental care unit**
- * **Facilities for dental and maxillofacial procedures**
- * **Dental laboratories**

4.1.10 Pharmacy

- * **Pharmaceutical Science Laboratories:** APCP has 18 Laboratories for both UG and PG which covers syllabus like Pharmaceutical Organic Chemistry, Pharmaceutical Inorganic Chemistry, Anatomy, Physiology and Health Education, Medicinal Chemistry, Biotechnology, Physical Pharmaceutics, Pharmacy Practice, Pharmacology and Pharmacognosy.

S.No.	Name of the Department	Description of Laboratory	No.
1.	B.Pharm.	Pharmaceutical Chemistry	03
		Pharmaceutics	02
		Pharmacology	01
		Anatomy & Physiology	01
		Biotechnology	01
		Pharmacognosy	01
		Machine Room	01
		Instrumentation Room	01
		Pharmaceutical Analysis	01
2.	M.Pharm.	Pharmaceutics	02
		Pharmaceutical Chemistry	02
		Pharmaceutical Analysis	02
Total			18

- * **Museum for drug formulations:** Museum has been established for drug formulations.
- * **Machine room:** Department of Pharmaceutics has a machine room. Machine room is equipped with Basic Drug Manufacturing equipments. This equipment helps students to prepare different drug formulations.
- * **Herbarium / crude drug museum:** Herbarium and crude drug museum have been established in our college entrance which displays various drugs and crude drug products on behalf of Pharmacognosy Department.
- * **Balance room:** Yes. We have a balance room in the Department of Pharmaceutical Chemistry.
- * **Chemical store:** Yes. We have a chemical store which has various chemicals to do practical.
- * **Instrumentation facilities:** All the labs which need instruments have been available.
- * **Pilot plant:** Department of Pharmaceutics has pilot plant which is located in machine room.
- * **Computer aided laboratory:** Pharmacological simulations are being conducted using computer software.

4.1.11 Yoga and Naturopathy: Not Applicable.

- * **Demonstration hall with teaching facility to cater to the needs of the students.**
- * **Diet Service Management Department**
- * **Yoga cum multipurpose hall for meditation and prayer**
- * **Solarium compatible for multimedia presentation**
- * **Mud Storage Unit**
- * **Outdoor Facilities - Walking track with reflexology segment.**
- * **Swimming Pool**
- * **Naturopathy blocks**

4.1.12 Homoeopathy: Not Applicable

- * **Museum and demonstration room (Homoeopathic Pharmacy Laboratory, Pathology Laboratory, Community Medicine, Homoeopathic Materia Medica, Organon of Medicine including History of Medicine)**
- * **Repertory with Computer Laboratory and Demonstration Room**

4.1.13 Nursing: Not Applicable

- * **Nursing Foundation Laboratory**
- * **Medical Surgical Laboratory**
- * **Community Health Nursing Laboratory**
- * **Maternal and Child Health Laboratory**
- * **Nutrition Laboratory**
- * **Pre clinical Laboratories**
- * **Specimens, Models and Mannequins**

4.1.14 Ayurveda: Not Applicable

- * **Herbal Gardens**
- * **Museum Herbarium**
- * **Panchakarma Facility**
- * **Eye Exercises Clinic**
- * **Kshara Sutra and Agni Karma Setup**
- * **Ayurveda Pharmacy**

4.1.15 Does the institution have the following facilities? If so, indicate its special features, if any.

- * **Meditation Hall:** Yes. Meditation hall is available in our hostel.
- * **Naturopathy blocks:** Not Applicable.

Criterion IV – Infrastructure and Learning Resources

4.1.16 Provide details of sophisticated equipments procured during the last four years.

LIST OF EQUIPMENTS & MACHINERY ETC

S.No	EQUIPMENTS & INSTRUMENTS	No.AVAILABLE
	<i>PHARMACEUTICS</i>	
01	Ampoule Filling and Sealing Machine	1
02	Ampoule Washing Machine	1
03	Autoclave	2
04	Blender	2
05	Continuous Hot Extraction Equipment	7
06	Conical Percolator	30
07	Tincture Press	1
08	Hand Grinding Mill	5
09	Disintegrator	1
10	Ball Mill	1
11	Tablet Punching Machine	2
12	Tablet Coating Pan Unit with Hot Air Blower Laboratory	1
13	Polishing Pan Laboratory Size	1
14	Tablet Hardness Tester (Monsanto Type)	5
15	Tablet Hardness Tester (Pfizer Type)	3
16	Disintegration Test Unit	2
17	Dissolution Rate Test Apparatus	2
18	Granulating Sieve Set	25
19	Tablet Counter Small size	5
20	Friability Tester	1
21	Collapsible Tube Filling and Sealing Equipment	2
22	Capsule Filling Machine (laboratory Size)	2
23	Prescription Balance	40
24	Balance Torsion type with removable glass pan Sensitivity 30 mgm	5
25	Dissolution equipment for Distilled Water	2
26	Water Deionization	1
27	All Glass Distillation Unit for making water for Injection	2
28	Sintered Glass filters for Bacteria Proof Filtration (4 different grades)	20 of each grades
29	Millipore Filters 3 grades	20 of each grades
30	Pressure Cooker	5
31	Hot Air Sterilizer	2
32	Incubator	2
33	Aseptic Cabinet	2
34	Rabbit Cages and Holder	20

Criterion IV – Infrastructure and Learning Resources

35	Ampoule clarity Test Equipment	2
36	Sieves set (Pharmacopoeial Standard)	10
37	Laboratory Centrifuge	2
38	Ointment Slab	60
39	Ointment Spatula	50
40	Pestle and Mortar (Porcelain)	50
41	Pestle and Mortar (Glass)	30
42	Suppository Mould of 3 Sizes	20 each
43	Refrigerator	1
44	Rotary Vacuum Evaporator	1
45	16 station rotary tablet machine	1
46	Digital Friability apparatus	1
47	Digital Disintegration test apparatus	1
48	Brook field viscometer	1
49	Centrifugation apparatus	2
50	Ultra Centrifuge	1
51	BOD incubator	1
52	Humidity Chamber	1
53	Tray Dryer	1
54	Digital Balance	1
55	Vat mixture	1
56	Homogenizer	2
57	Antibiotic Zone Reader	1
58	Colony Counter	1
59	Membrane Filter	1
60	Sintered glass funnel with complete Filtering assembly	1
61	Small Disposable membrane filter for IV Admixture filtration	1
62	Laminar Air Flow bench	1
63	Vacuum Pump	1
64	Oven	1
65	Slide Projector	1
	General Glasswares	Adequate
	Chemicals, appliances and Laboratory facilities	Adequate
	PHARMACEUTICAL CHEMISTRY/ ANALYSIS	
1	Analytical Balance & Weight Box set	40
2	Atomic Model Set	4
3	Dhona Electronic Balance	1
4	Refractrometer	1
5	Polarimeter	1
6	Photo Electric Colorimeter	1
7	pH Meter	2

Criterion IV – Infrastructure and Learning Resources

8	Physical Balance & Weight Box set	40
9	Periodic Table Chart	2
10	Flame Photometer	1
11	Melting Point Apparatus	1
12	U.V. Visible Spectrophotometer	1
13	Nephelometer	1
14	Platform Balance	2
15	Karl Fischer Titrator	1
16	Conductivity Meter	1
17	Fuming Cupboard	2
18	Kipp's Apparatus	2
19	Thermostatic Bath	2
20	Oven	1
21		2
	HPLC	
22	De-ioniser	1
23	Electrophoresis	1
24	Spectrofluorimeter	1
25	Fluorimeter	1
26	U.V. Visible Spectrophotometer(Double beam)	2
27	Nephloturbidimeter	2
28	KF titrator	1
29	Sonicater	1
30	Conductivity	1
31	pH meter	4
32	Digital Balance	4
	General Glasswares	Adequate
	Miscellaneous Appliances, Chemicals and Laboratory Facilities	Adequate
	PHARMACOLOGY, ANATOMY & PHYSIOLOGY	
1	Aerator	20
2	Haemoglobinometer	20
3	Haemocytometer	10
4	Student's Organ Bath	10
5	Sherrington Rotating Drum	10
6	Tray (Dissecting)	15
7	Frontal Writing Lever	15
8	Frog Board	30
9	Tele Thermometer	1

Criterion IV – Infrastructure and Learning Resources

10	Pole Climbing Apparatus	1
11	Histamine Chamber	1
12	Simple Lever	18
13	Sterling Hot Lever	10
14	E.C.G. Machine	1
15	Aeration Tube	20
16	Histological Slide	30
17	Sphygmomanometer (B.P. Apparatus)	7
18	Stethoscope	15
19	First aid Equipment	5 Sets
20	Contraceptive Device	5 Sets
21	Dissecting (Surgical) Instrument	20 Sets
22	Operation Table (small)	2
23	Balance for Weighing small animals	2
24	Kymograph Paper	Adequate
25	Activity Cage (Actophotometer)	1
26	Analgesiometer	1
27	Thermometer	30
28	Distilled Water Still	2
29	Plastic Animal Cage	25
30	Double Unit Organ Bath with Thermostat	1
31	Refrigerator	1
32	Single Pan Balance	1
33	Chart	Adequate
34	Human Skeleton	1
35	Anatomical Specimen (Heart, Brain, Eye, Ear and reproductive system etc.)	1 Set
36	Electro-Convulsiometer	1
37	Stop Watch	10
38	Clamp, Bossheads, Screw Clips	Adequate
39	Symes Cannula	20
	General Glassware	Adequate
	Chemicals and Misc. Laboratory, Apparatus and Appliances (Needles Thread, Plastician, Tubing, Polythene Tubes, Syring etc.)	Adequate
PHARMACOGNOSY		
1	Aseptic Cabinet	1
2	Dissecting Microscope	20
3	Chart (Different Types)	100
4	Models (Different Types)	50

Criterion IV – Infrastructure and Learning Resources

5	Permanent Slides	100
6	Slides and Cover Slip	Adequate
7	Muffle Furnace	5
8	Silica Crucible	7
9	Camera Lucida	17
10	Oven	1
11	Incubator	1
12	Grinding Machine	2
13	Pulveriser	1
14	Soxhlet Apparatus	3
15	Laminar Air Flow Chamber	1
16	Eyepiece & Stage Micrometer	20
17	Desicator	1
18	Chemical Balance	2
19	Refractometer	1
20	Polarimeter	1
	General Glassware	Adequate
	Misc. appliances, Chemicals and Laboratory facilities	Adequate
	General List of Equipments	
1	Distilled water still	2
2	Vacuum pump	2
3	Refrigerator	1
4	Compound Microscope	20
5	Slide cum strip projector	1
6	Over head Projector	4
7	Project Screen	2
8	Shimadzu Balance	12
	General glasswares, chemical reagents and Miscellaneous appliances	Sufficient

Museum: Maintained a museum of crude drugs, herbarium sheets, and botanical specimens of the drugs and Plants mention in the course. In addition, the following are recommended:

1. Colored slides of medicinal plants
2. Display of popular patent medicines and
3. Containers of common usage in medicines.

4.2 CLINICAL LEARNING RESOURCES

4.2.1 Teaching Hospital: NA.

4.2.2 What specific features have been included for clinical learning in the out-patient, bedside, community and other clinical teaching sites?

The Pharmacy department in the hospital is teaching the follow up of prescription, Drug Dispensing and counseling the patients on drug utilization.

4.3 LIBRARY AS A LEARNING RESOURCE

4.3.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been implemented by the committee to render the library student/user friendly?

Our library has an Advisory Committee. The Committee list is given below:

S.No.	Name and Designation	Position
1.	Dr. T. Vetrichelvan, Principal	Chairman
2.	Mr. M. Suresh, Librarian	Secretary
3.	Dr. S. Shanmugam, Vice Principal	Member
4.	Dr. D. Nagavalli, Professor	Member
5.	Mrs. S. Shoba, Professor	Member
6.	Mrs. S. Sathya, Professor	Member

4.3.2 Provide details of the following:

- * **Total area of the library (in Sq. Mts.) - 256**
- * **Total seating capacity - 110**
- * **Working hours (on working days, on holidays, before examination, during examination, during vacation) – 8.30AM - 6.30PM**
- * **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources) – all the things which are mentioned above is available.**
- * **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection - all the things which are mentioned above are available.**
- * **List of library staff with their qualifications – Mr. M Suresh, M.L.I.S.**

4.3.3 Give details of the library holdings:

Print

- * **Books – 11685**
- * **Back volumes – 4084**
- * **Theses- 357**

Course	Number of Theses
Ph.D.	25
M.Pharm	155
B.Pharm	177

- * **Journals- 39**
 - * **Average number of books added during the last three years: 1451**
- Non Print (Microfiche, AV): 64
- * **Electronic e-journals: 120**

Criterion IV – Infrastructure and Learning Resources

- * **Special collections (e.g. text books, reference books, standards, patents):** 706.
- * **Book bank:** 237
- * **Question bank:** Available.

4.3.4 To what extent is ICT deployed in the library? Give details with regard to

- * **Library automation:** The Library services are automated through a software programme called the “**NIRMALSPRO 6.1.0**”
- * **Total number of computers for general access:** 40
- * **Total numbers of printers for general access:** 02
- * **Internet band width speed:** 10 mbps
- * **Institutional Repository:** No.
- * **Content management system for e-learning:** No.
- * **Participation in resource sharing networks/consortia:** The institute also has the membership of DELNET, E-Consortium and Inventi.

4.3.5 Give details of specialized services provided by the library with regard to

- * **Manuscripts:** Our library doesn't have any handwritten books.
- * **Reference:** The library has a collection of reference books, which include collective indices, encyclopedias, yearbooks, handbooks and Pharmacopoeias.
- * **Reprography / scanning:** These facilities are available.
- * **Inter-library Loan Service:** Not applicable.
- * **Information Deployment and Notification:** Information about the library is displayed on the Library notice board.
- * **OPACS:** No.
- * **Internet Access:** Internet Access for students and staffs have been provided by our institution with the speed of 10 mbps.
- * **Downloads:** Staffs can download the webpages related to their subjects' unlimitedly.
- * **Printouts:** Printout is taken by the students and staffs in our library.
- * **Reading list/ Bibliography compilation:** Bibliography compilation is available.
- * **In-house/remote access to e-resources:** Available.
- * **User Orientation:** From the beginning of the Course, Our Librarian has given instructions to our students about library rules and regulations, book issuing and return.
- * **Assistance in searching Databases:** Our librarian assists the students and staffs about searching databases.
- * **INFLIBNET/HELINET:** Our Institution has DELNET subscription.

Criterion IV – Infrastructure and Learning Resources

4.3.6 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

- **Annual Budget:** 5,00,000.00
- **Amount spent for books:** 3,00,000.00
- **Amount spent for Journals:**2,00,000.00

4.3.7 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

- Feedback Forms are given to the students and staffs. Based on their suggestions, we will be made an improvement of the library services.
- Suggestion/Complaint box available to drop suggestions/complaints.

4.3.8 List the efforts made towards the infrastructural development of the library in the last four years.

- Barcode label introduced for computerized book issue and return.
- New online database (like NirmalPro 6.1.0 Standard Package database) is available in our college.
- Subscription to e-journals.
- 6976 Number of Textbooks purchased during last four years.

4.4 IT INFRASTRUCTURE

4.4.1 Does the institution have a comprehensive IT policy with regard to:

- * **IT Service Management** – Our institution has been providing internet access to all staff members with the speed of 10mbps. All the systems are serviced yearly once by our system engineer.
- * **Information Security** – The informations related to our institutions are safely stored in our computers with UserID and Password.
- * **Network Security** – We are using effective firewall to block unauthorized users from outside the institution.
- * **Risk Management** – Our Institution has a separate Pendrive, CD and DVD for backup storage.
- * **Software Asset Management** – Available.
- * **Open Source Resources** – Students and staffs can use this resource to download the applications related to their subjects. Some of the social networking sites are blocked.
- * **Green Computing** - No

4.4.2 How does the institution maintain and update the following services?

- * **Hospital Management Information System (HMIS)**
- * **Electronic Medical Records System (EMR)**
- * **Digital diagnostic and imaging systems including PACS**
Yes. Our hospital has the above mentioned services.

4.4.3 Give details of the institution’s computing facilities i.e., hardware and software.

Criterion IV – Infrastructure and Learning Resources

- * **Number of systems with individual configurations is 40.**
- * **Computer-student ratio: 1:6**
- * **Dedicated computing facilities**
All the sophisticated instruments are having computing facilities with the software installed in it so as to store the data and to access the data from the computer.
- * **LAN facility: Yes**
- * **Wi-Fi facility: Yes,** Wi-Fi facility is available; to prevent from unauthorized users all Wi-Fi nodes are secured with User ID and password.
- * **Proprietary software-** Windows, MS-Office and Tally.

S.No.	Software	Manufacturing
1.	Windows-7	Microsoft
2.	Windows-XP	Microsoft
3.	Microsoft Office 2007	Microsoft
4.	Kaspersky Internet Security	Kaspersky
5.	360 Total Security	360
6.	Tally ERP 9.0	Tally
7.	NirmalsPro 6.1.0 (Library Software)	NirmalsPro 6.1.0
8.	C Programming	C Edition
9.	Expharm	Expharm

- * **Number of nodes/ computers with internet facility:**

S.No.	Particulars	Total
1.	Total No. of Computers	40
2.	Total No. of Laptop	01
3.	Internet Broadband Connection (BSNL)	10 Mbps

- * **Any other (specify) – No.**

4.4.4 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

- The systems are installed with antivirus every year. New software's are installed based on the system requirements.
- Up-gradation of learning resources such as e-books, e-journals, internet and Wi-Fi facilities.

4.4.5 Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching-learning and research:

Computers with internet broadband connection of BSNL with 10 Mbps capacity.

Criterion IV – Infrastructure and Learning Resources

4.4.6 What are the new technologies deployed by the institution in enhancing student learning and evaluation during the last four years and how do they meet new / future challenges?

The new technologies deployed in this institution to enhance the students learning by means of PowerPoint presentation and simulation lab facilities.

4.4.7 What are the IT facilities available to individual teachers for effective teaching and quality research?

Adequate IT facilities are available for teachers as given below,

- Use of e-journal, e-books for effective teaching.
- Use of simulations for demonstrations of animal experiments.
- Use of software as computational or statistical tools.
- Use of Multimedia for effective course delivery.
- Conducting Interactive tutorials using CD's and videos.
- Teaching with web linked material.
- Use of open educational resources including open access journals.

4.4.8 Give details of ICT-enabled classrooms/learning spaces available within the institution. How are they utilized for enhancing the quality of teaching and learning?

- We are having sufficient LCD projectors and OHP machines. The OHP Machines will save the time while teaching instead of writing the information on the blackboard.
- Availability of Molecular modeling or docking software.
- E-resources facility is available through DELNET.

4.4.9 How are the faculty assisted in preparing computer-aided teaching-learning materials? What are the facilities available in the institution for such initiatives?

Teaching staffs prepares their notes using PowerPoint Presentation. The facilities available in the institution for such initiatives are OHP machines and Projectors.

4.4.10 Does the institution have annual maintenance contract for the computers and its accessories?

No. The System Engineer who is working in our medical college is responsible for System maintenance.

4.4.11 Does the institution avail of the National Knowledge Network (NKN) connectivity? If so, what are the services availed of - No.

4.4.12 Does the institution avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Our institution avails of web resources like Wikipedia, YouTube and other sites which are relevant to pharmacy education.

Criterion IV – Infrastructure and Learning Resources

4.4.13 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the institution.

Year	Maintenance Cost Rs.
2011	2,00,000/-
2012	1,00,000/-
2013	1,00,000/-
2014	1,00,000/-

4.4.14 what plans have been envisioned for the transfer of teaching and learning from closed institution information network to open environment?

We don't have any plan for closed network to open environment.

4.5 MAINTENANCE OF CAMPUS FACILITIES

4.5.1 Does the institution have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Attenders are responsible for building maintenance. Lab equipments are maintained by respective Lab in- Charges.

4.5.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The building floors are cleaned every day. An electrician is available to sort out the electricity problems of the institute. Fire extinguishers are refilled annually for fire safety. The specific areas are maintained as under,

Infrastructure Facility	Particulars of Maintenance
Classrooms	The fans, electrical fixtures, LCD projectors and over head projectors, are maintained and repaired by the electrician whenever necessary.
Seminar/Exam Hall	The working of air conditioners, audio visual system and cleaning of seminar hall is monitored at regular intervals.
Laboratories	The gas connections, water taps and drainage lines are routinely checked. The leaked pipes and taps are changed whenever required. Exhaust fans and electrical fixtures in the laboratories are regularly checked by the electrician for the proper functioning.

Criterion IV – Infrastructure and Learning Resources

Animal House	Animal house is cleaned every day with detergents and disinfectant. Cages, water bottles, sipper nozzles, stoppers are washed and sanitized. Air conditioners are installed in animal house for maintaining the temperature. RO water system is also installed. After animal experimentation all biomedical waste and husk is collected in plastic bags and incinerated.
Library	All the books are given accession number. The books are segregated subject wise and shelved in the racks accordingly.
Computers	All the computers and printers in the institute are checked by the computer technician for maintenance of systems and software every year. The report is checked and verified by the Principal.
Electricity	Electric supply of 440 Volt, 3Phase, AC is available. The institute has full time electrician for routine maintenance of electrical fixtures. Generator is installed in campus (Capacity: 125 KW) for uninterrupted power supply. The institute shares the cost of diesel required for working of generator. Additional power backup is available by UPS. The batteries of UPS are replaced as and when required.
Telecom facility	Institute rents BSNL landlines. The institute has created and maintained intercom facilities for smooth and fast communication within the institute.
Drinking water	The institute gets mineral water supply from RO plant.

4.5.3 Has the institution insured its equipments and buildings?

Major equipments have annual maintenance contracts for their preventive and incidental maintenance.

CRITERION V: STUDENT SUPPORT AND PROGRESSION:

5.1 Student Mentoring and Support

5.1.1 Does the institution have a system for student support and mentoring? If yes, what are its structural and functional features?

Yes, the institution has students mentoring and support. Ten students have been allocated from different classes to one faculty as a Tutor ward system. Mentorship involves academic assessment, identification and development of individual talents and counseling.

• **Following records are maintaining by Class In-Charge:**

- ❖ Collection of Personal Memorandum.
- ❖ Progress Report of each student is maintained.
- ❖ Leave letter file is maintained.
- ❖ Information about patient counseling done by students is maintained.

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

A provision available for academic mentoring is given below:

- ❖ Academic Co-ordinator/ Class Incharge.
- ❖ Conducting tutorial classes.
- ❖ Special Coaching class is arranged for GPAT students.
- ❖ Interaction with alumni.
- ❖ Counseling during practical hours.

5.1.3 Does the institution have any personal enhancement and development schemes such as career counseling, soft skills development, career-path-identification, and orientation to well-being for its students? Give details of such schemes.

1. The institution has training and placement committee. The student can take part in career counseling, soft skills development, career-path-identification, and orientation. The institution have different committees such as Discipline and Welfare, Complaints cum redressal, training and placement committee, Industry Institute Interaction cell, extracurricular activity, NSS, YRC activity, Literary and Cultural Activities, Instrumentation and service cell, Innovation and Entrepreneurship Development cell. Soft skills/personality development training programs are also conducted. All these activities are monitored by Student's Welfare Committee.
2. The career path development is concentrated by Industry Institute Interaction Cell. An eminence personality from a field is invited to address the students. The interaction is mainly focused on career development and employment opportunities.

5.1.4 Does the institution have facilities for psycho social counseling for students?

Yes. Our institute has separate psycho social counseling centre and it is associated with the department of Psychiatry, MAPIMS Hospitals offers this service through clinical psychologist. Student who needs psycho-social

Criterion V – Student Support and Progression

counseling are provided in our college itself. If needed, the students may be taken to the hospital.

5.1.5 Does the institution provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes. Institute facilitates and provides all the necessary assistance to the required students towards obtaining education loan. The necessary documents like bonafide certificate, fee structure, affiliation orders from the councils required for applying bank loan are provided by the office. Apart from this BC/MBC, SC/ST and First graduate scholarships provided by Tamilnadu State Government. Fee concession for SC students also provided by Tamilnadu State Government.

5.1.6 Does the institution publish its updated prospectus and handbook annually? If yes, what are the main issues / activities / information included / provided to students through these documents? Is there a provision for online access?

Yes, our institution has published updated prospectus and handbook annually. A student handbook is available at the beginning of each calendar year, which includes university regulations regarding the course and exams. It also includes information like holidays and schedule for internal exams. The information related to functioning of various committees such as Anti-Ragging, Redressal committee (Evaluation process), Disciplinary committee and Student Grievances and Redressal committee are included in the academic calendar.

5.1.7 Specify the type and number of institution scholarships / freeships given to the students during the last four years. Was financial aid given to them on time? Give details. (in a tabular form)

BC, MBC & DNC SCHOLARSHIP 2015-16

Student Name	Amount	Student Name	Amount
Amudha .J	2900	Anitha .V	3500
Bhuvaneswari .N	2900	Arjunan .V	3500
Dhurairaj .N	2900	Arunpandiyam .M G	3500
Dineshraj .K	2900	Baskar .P	4700
Geetha .S	6550	Deepika .K	7150
Juliat Jakkulin. S	4100	Dinakar .S	7150
Kanimozhi .H	4100	Gayathri Devi .N	5950
Kowsalya .M	6550	Gineetha .P	5950
Mohankumar .S	5350	Hari Narayanan .S	3500
Mohanraj .R	2900	Karthikeyan .V	3500
Mohan .P M	2900	Kavin .D S	7150
Pavithra .S	4100	Kavitha .M	5950
Prakash .M	6550	Kumara Vignesh .R	4700
Prashanth .M	2900	Loganathan .R	4700
Priyanga .S	2900	Madhi .M R	3500
Sandhiya .P	2900	Moganambal .N	4700
Santhosh kumar .P	4100	Muthukumar .M	3500
Sarveswaran .A	6550	Priya .B	7150

Criterion V – Student Support and Progression

Sasirekha .V	5350	Priyadharshini .K	5950
Silambarasan .A	2900	Saravanan .K C	3500
Sriram .A	5350	Sharmila .V	7150
Surya .V	5350	Surya .K	5950
Venkatapahy .V	4100	Venkatesh .K	4700
Vinoth kumar .D	2900	Vijayakumar .D	3500
Yuvaraj .P	5350	Arun E	6700
Dhananchzliyan M	9150	Dhananchzliyan M	9150
Gomathi B	6700	Gomathi B	6700
Jayashree D	9150	Jayashree D	9150
Kanaga Chinnaraj M	9150	Kanaga Chinnaraj M	9150
Moorthy M	7900	Moorthy M	7900
Prabakaran S	6700	Prabakaran S	6700
Agalya .A	5400	Ranjitha .N	5400
Ansarali .S	5400	Sathiyaseelan .A	5400
Ayesha Banu .S	4150	Satheeshkumar .K	6600
Dhineshkumar .G	5400	Subashchandrabose .V	2950
Dinesh .V	6600	Suresh Kumar .S	2950
Divya Lakshmi .M	5400	Suresh .T	2950
Indhumathi .T	2950	Tamizhselvi .S	5400
Kaviya Devi .K	5400	Vetri .K	6600
Mahalakshmi .D	5400	Nitheesh Kumar .K	5400
Mugil .M	6600	Praveena .T C	6600
Naveena .T	6600	Ramya .S	6600

STUDENT SCHOLARSHIP RECEIVERS FROM GOVERNMENT

BC/MBC & DNC SCHOLARSHIP (2014-2015)

SC/ST SCHOLARSHIP & TUITION FEE REIMBURSTEMENT(2014-2015)

FIRST GRADUATE SCHOLARSHIP RECEIVERS

Name	Amount	Name	Amount
Amudha .J	5400/-	Arun E	3500/-
Bhuvanewari .N	5400/-	Dhananchzliyan M	5950/-
Dhurairaj .N	2950/-	Gomathi B	3500/-
Dineshraj .K	2950/-	Jayashree D	5950/-
Geetha .S	6600/-	Kanaga Chinnaraj M	5950/-
Juliat jakkulin .S	4150/-	Moorthy M	4700/-
Kanimozhi .H	4150/-	Prabakaran S	3500/-
Kowsalya .M	6600/-	Preethima S	5950/-
Mohan .P M	5400/-	Pushpanajali S	5950/-
Mohankumar .S	5400/-	Raman M	5950/-
Mohanraj .R	2950/-	Revathi S	3500/-
Pavithra .S	4150/-	Sasikala J	5950/-
Prakash .M	6600/-	Suyampuraj S	5950/-
Prashanth .M	2950/-	Velu K	3500/-
Priyanga .S	5400/-	Ayyamperumal E	7900/-
Sandhiya .P	5400/-	Chandra moulee G	6700/-
Santhosh Kumar .P	4150/-	Dhanasri K	6700/-
Sarveswaran .A	6600/-	Elakkiya R	9150/-
Sasirekha .V	2950/-	Kalaiselvi D	9150/-
Silambarasan .A	2950/-	Karthika S	7900/-
Sriram .A	5400/-	Magesh S	7900/-
Surya .V	5400/-	Rajkumar G	6700/-
Venkatapathy .V	4150/-	Saranraj R	6700/-
Vinoth Kumar .D	2950/-	Subashini E	7900/-
Yuvaraj .P	5400/-	Thangairulappan S	9150/-
Anitha .V	5350/-	Venkatesan M	6700/-
Arjunan .V	2900/-	Visalatchi M	9150/-

Criterion V – Student Support and Progression

Arunpandiyan .M G	2900/-	Aasheela .D	31710/-
Baskar .P	4100/-	Geethanjali .K	31710/-
Deepika .K	6550/-	Gokul .S	33740/-
Dinakar .S	6550/-	Kalaivanan .E	31710/-
Gayathri Devi .N	5350/-	Kalkiyadevi .M	31710/-
Gineetha .P	5350/-	Kumaresan .G	31710/-
Hari Narayanan .S	5350/-	Nandhakumar .A	31710/-
Karthikeyan .V	5350/-	Pravin .S	31710/-
Kavin .D S	6550/-	Sudharsan .S	33740/-
Kavitha .M	5350/-	Varadharajan .P	31710/-
Kumara Vignesh .R	4100/-	Venkatachalam .P	33740/-
Loganathan .R	6550/-	Manmohansundaram .M	34360/-
Madhi .M R	2900/-	Brindha .E	34360/-
Moganambal .N	6550/-	Lakshmi .M	37840/-
Muthukumar .M	2900/-	Prasanth .A	37840/-
Priya .B	6550/-	Vaishnavi .K	37840/-
Priyadharshini .K	5350/-	Vijay .A	34360/-
Saravanan .K C	2900/-	Vivekkumar .N	34360/-
Sharmila .V	6550/-	Janaki .S	34360/-
Surya .K	5350/-	Anu.B	37840/-
Venkatesh .K	4100/-	Aravind.G	34360/-
Vijayakumar .D	5350/-	Arunagiri.V	34360/-
Brindha.V	34360/-	Amudha .J	18000/-
Jaya shree.A	37840/-	Bhuvaneswari .N	18000/-
Jothilakshmi.D	34360/-	Dhurairaj .N	18000/-
Karunakaran.K	34360/-	Dineshraj .K	18000/-
Marikkani.R	34360/-	Mohan .P M	18000/-
Prasath.P	37840/-	Mohankumar .S	18000/-
Rajalakshmi.R	34360/-	Mohanraj .R	18000/-
Rajalakshmi.S	34360/-	Prashanth .M	18000/-
Sivaguruvasan.M.C	34360/-	Priyanga .S	18000/-
Surekha.A.K	29680/-	Sandhiya .P	18000/-
Valarmathi.P	34360/-	Sasirekha .V	18000/-
Anjani.S	34360/-	Silambarasan .A	18000/-
Devi.S	37840/-	Sriram .A	18000/-
Gurusamy.E	34360/-	Surya .V	18000/-
Gururajan.C	34360/-	Vinoth Kumar .D	18000/-
Hariharan.R	34360/-	Yuvaraj .P	18000/-
Indumathi.P	37840/-	Anitha .V	18000/-
Tamilvani.P	34360/-	Arjunan .V	18000/-
Valarmathi.D	34360/-	Arunpandiyan .M G	18000/-
Rajkumar G	18000/-	Gayathri Devi .N	18000/-
Saranraj R	18000/-	Gineetha .P	18000/-
Thangairulappan S	18000/-	Hari Narayanan .S	18000/-
Thansira Begam.M.D	18000/-	Karthikeyan .V	18000/-
Venkatesh.M	18000/-	Kavitha .M	18000/-
Visalatchi.M	18000/-	Madhi .M R	18000/-
Preethima S	18000/-	Muthukumar .M	18000/-
Priyanka.K.B	18000/-	Priyadharshini .K	18000/-
Pushpanajali S	18000/-	Saravanan .K C	18000/-
Raman M	18000/-	Surya .K	18000/-
Revathi S	18000/-	Vijayakumar .D	18000/-
Sasikala J	18000/-	Arun E	18000/-
Suyampuraj S	18000/-	Dhananchzliyan M	18000/-
Velu K	18000/-	Duraimurugan.P	18000/-
Jayashree.D	18000/-	Gomathi B	18000/-
Abdul raasid.A.M	18000/-	Kanaga Chinnaraj M	18000/-
Chandra moulee G	18000/-	Prabakaran S	18000/-

Criterion V – Student Support and Progression

STUDENT SCHOLARSHIP RECEIVERS FROM GOVERNMENT

BC/MBC & DNC SCHOLARSHIP (2013-2014)

SC/ST SCHOLARSHIP & TUITION FEE REIMBURSTMENT(2014-2015)

FIRST GRADUATE SCHOLARSHIP RECEIVERS

Name	Amount	Name	Amount
Anitha .V	5050/-	Priya .B	6250/-
Arjunan .V	2950/-	Priyadharshini .K	5050/-
Arunpandiyan .M G	2950/-	Saravanan .K C	5050/-
Baskar .P	4150/-	Sharmila .V	6250/-
Deepika .K	6250/-	Surya .K	5050/-
Dinakar .S	6250/-	Venkatesh .K	6250/-
Gayathri Devi .N	5050/-	Vijayakumar .D	5050/-
Gineetha .P	5050/-	Arun E	5350/-
Hari Narayanan .S	5050/-	Dhananchzliyan M	5350/-
Karthikeyan .V	5050/-	Gomathi B	2900/-
Kavin .D S	6250/-	Jayashree D	5350/-
Kavitha .M	6250/-	Kanaga Chinnaraj M	5350/-
Kumara Vignesh .R	6250/-	Moorthy M	6550/-
Loganathan .R	6250/-	Prabakaran S	2900/-
Madhi .M R	5050/-	Preethima S	5350/-
Moganambal .N	6250/-	Pushpanajali S	5350/-
Muthukumar .M	5050/-	Raman M	5350/-
Sasikala J	5350/-	Revathi S	2900/-
Suyampuraj S	5350/-	Brindha .E	32240/-
Velu K	5350/-	Lakshmi .M	34560/-
Ayyamperumal E	4700/-	Prasanth .A	34560/-
Chandra moulee G	3500/-	Vaishnavi .K	34560/-
Dhanasri K	3500/-	Vijay .A	32240/-
Elakkiya R	5950/-	Vivekkumar .N	34560/-
Kalaiselvi D	5950/-	Janaki .S	31710/-
Karthika S	4700/-	Anu.B	37840/-
Magesh S	4700/-	Aravind.G	37840/-
Rajkumar G	3500/-	Arunagiri.V	34360/-
Saranraj R	3500/-	Brindha.V	34360/-
Subashini E	4500/-	Jaya shree.A	37840/-
Thangairulappan S	5950/-	Jothilakshmi.D	34360/-
Venkatesan M	3500/-	Karunakaran.K	34360/-
Visalatchi M	5950/-	Marikkani.R	37840/-
Bhavani .B	6700/-	Prasath.P	37840/-
Gururajan.C	34360/-	Rajalakshmi.R	34360/-
Hariharan.R	34360/-	Rajalakshmi.S	34360/-
Indumathi.P	37840/-	Sivaguruvasan.M.C	34360/-
Tamilvani.P	34360/-	Surekha.A.K	30700/-
Valarmathi.D	34360/-	Valarmathi.P	37840/-
Ayyanar.R	34360/-	Anjani.S	34360/-
Kavitha.G	34360/-	Devi.S	37840/-
Naveena.A	34360/-	Gurusamy.E	34360/-
Subash.A	34360/-	Abdul raasid.A.M	18000/-
Arun E	18000/-	Chandra moulee G	18000/-
Dhananchzliyan M	18000/-	Dhanasri K	18000/-
Duraumurugan.P	18000/-	Elakkiya R	18000/-
Gomathi B	18000/-	Kalaiselvi D	18000/-
Kanaga Chinnaraj M	18000/-	Rajkumar G	18000/-
Prabakaran S	18000/-	Saranraj R	18000/-
Preethima S	18000/-	Tamilvani.P	18000/-
Priyanka.K.B	18000/-	Thangairulappan S	18000/-
Pushpanajali S	18000/-	Thansira Begam.M.D	18000/-
Raman M	18000/-	Venkatesh.M	18000/-

Criterion V – Student Support and Progression

2012-2013:

1) BC/MBC SCHOLARSHIP (32 Students)	= 81,135/-
2) SC/ST SCHOLARSHIP & TUITION FEE REIMBURSEMENT (31)	= 5,89,915 /-
3) FIRST GRADUATE SCHOLARSHIP (13)	= 2,34,000/-

2011-2012:

1) BC/MBC SCHOLARSHIP (19 Students)	= 40,900/-
2) SC/ST SCHOLARSHIP (17)	= 1,35,770 /-

5.1.8 What percentage of students receives financial assistance from state government, central government and other national agencies?

2015-2016 = 54.22%
2014-2015 = 54.92%
2013-2014 = 48.90%
2012-2013 = 35.67%
2011-2012 = 27.00%

5.1.9 Does the institution have an International Student Cell to attract foreign students and cater to their needs?

Nil

5.1.10 What types of support services are available for

*** overseas students**

Nil

*** physically challenged / differently-abled students**

Our Institution has a health campus which is an eco and disabled friendly campus. Wheel Chairs are provided for these students. In the institute, We have no disabled students..

*** SC/ST, OBC and economically weaker sections**

The students admitted through reservations are eligible to get scholarships from the government. Institution helps these students to get their scholarships. Additional emphasis is given through mentorship on language, creating a conducive and comfortable environment for these students. Students are allowed to pay their fees in installments.

*** students participating in various competitions/conferences in India and abroad**

Students are constantly encouraged to attend and participate in various competitions/conferences in India. The students who are attending the conferences/ competitions are given permission. Travel allowance is provided for the students attending the competitions.

*** health centre, health insurance etc.**

All the students in our institute have health insurance in New India assurance Co. Ltd., Tamilnadu. APCP is associated with medical college

Criterion V – Student Support and Progression

hospital. During the admission, the health checkup for all the students are conducted at free of cost.

* **skill development (spoken English, computer literacy, etc.)**

APCP organizes various soft skill development programs to improve the communication skill development for the students. The medium of instruction in the class is English. For students who are not able to follow the language separate classes for Spoken English have been organized in first year. As part of the curriculum UG students have classes on Computer literacy. In final year there is an intensive communication skills development program for two weeks are conducted. The outcomes of these events are promising and students are able to progress well in their career.

* **performance enhancement for slow learners.**

Identification of slow learners is done based on the entry level assessment and learning outcome. To improve the performance of the slow learners continuous assessment tests, group formation with student leaders are constituted and they are directly controlled by the concerned faculty to monitor them. Extra efforts are taken by the teachers to teach slow learners using different teaching aids and giving one to one attention during practical hours.

* **exposure of students to other institutions of higher learning/ corporates/business houses, etc.**

The students in the final year and PG students interns are given a chance to have an exposure other than college training to outside institutions. Hence all the students of third and fourth year B. Pharm will undergo two weeks training in any one of the following areas like industry/ clinical research / hospital pharmacy /marketing training. PhD students are given a chance to work in the lab of other institutions. Our alumini's studied and worked in USA and different countries.

* **publication of student magazines, newsletters.**

There is a college magazine "*PHARMFIST*" are published.

5.1.11 Does the institution provide guidance and/or conduct coaching classes for students appearing for competitive examinations (such as USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS)? If yes, what is the outcome?

Yes, APCP provide coaching and awareness programs for GPAT.

S.No.	Year	No. of students qualified in GPAT
1.	2015-2016	3
2.	2014-2015	Nil
3.	2013-2014	5
4.	2012-2013	Nil
5.	2011-2012	2

5.1.12 Mention the policies of the institution for enhancing student participation in sports and extracurricular activities through strategies / schemes such as

*** additional academic support and academic flexibility in examinations**

Academic leave is granted for student's participation at various events of sports and cultural activities. Institution strongly believes in extracurricular activities to improve physical and mental strength. The attendance of the participating students has been considered for calculations. The students those who are not able to attend their internal exams re-examination have been organized. Apart from attendance flexibility additional class are also designed for these students.

*** special dietary requirements, sports uniform and materials**

1. Dietary supplements such as glucose, fresh fruits, juice, and oral rehydration salts are also provided during the course of games and sports.
2. Sports uniform is provided to the students in the first year and sports materials are available at the sports ground.

*** any other (specify)**

To encourage and support the student participation, special rewards are constituted. Students have participated in inter and intra collegiate events and won prizes.

5.1.13 Does the institution have an institutionalized mechanism for student placement? What are the services provided to help students identify job opportunities, prepare themselves for interviews, and develop entrepreneurship skills?

- ❖ Placement cell is established.
- ❖ Campus interviews are facilitated.
- ❖ Skill based programmes on entrepreneurship development are organized.
- ❖ Job related information is mailed to the students
- ❖ Job related informations are displayed in the College Notice Board.

Salient features of placement cell:-

- ❖ Campus interviews
- ❖ Off- campus interviews
- ❖ Opportunity for changing job
- ❖ Guiding for higher studies
- ❖ E. mails to individual students
- ❖ Resumes are forwarded by the placement cell
- ❖ Lectures and workshops are organized for CV writing, how to face an interview
- ❖ Personal contact is maintained till they are placed.

5.1.14 How does the institution provide an enriched academic ambience for advanced learners?

1. Advanced learners are identified based on interaction and expression of self interest. They are given additional coaching and encouraged to participate in

Criterion V – Student Support and Progression

research and developmental activities. The institution has state-of-the-art research facility where the interested students can take part in the research as part of their curriculum activity. The students are also encouraged to attend seminar and conferences.

2. Their achievements are highlighted and displayed on the notice boards, and magazine. The award winners are mentioned in the annual college report and are honored during the graduation ceremony
3. Students having good academic performance are given priority in the selection for PG courses. Every year the distinction awards will be issued to the students to get first class with distinction.

5.1.15 What percentage of students drop-out annually? Has any study been conducted to ascertain the reasons and take remedial measures?

- ❖ Annual drop-out rate is less than 1% or nil.
- ❖ The drop outs are due to personal reasons

Remedial measures: Coaching class and test conducted for the droppers.

5.1.16 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Year	Name of the Company/ Organization	Job offered/ Department	No. of Students Shortlisted
2014- 2015	Microtherapeutics Research Lab Pvt. Ltd.	Chemist Bioanalytical	21
	Nouveau Medicament Pvt. Ltd.	Sales Executive	
	Medplus	Pharmacist	
	Appasamy ocular device Pvt. Ltd.(Pharma division)	Chemist in Formulation and Quality Control/ Quality	
	Caplin point Pvt. Ltd.	Chemist in Formulation and Quality Control	
2013- 2014	Medplus	Pharmacist	13
	Nouveau Medicament Pvt. Ltd.	Sales Executive	
	Appasamy ocular device Pvt. Ltd.(Pharma division)	Chemist in Formulation and Quality Control	
	Abbott Health care Pvt. Ltd.	Field Sales Officer	
	Medplus	Pharmacist	
	Nouveau Medicament Pvt. Ltd.	Sales Executive	

Criterion V – Student Support and Progression

2012-2013	Yogam BPO	Medical Transcription/ Coding	29
	Appasamy ocular device Pvt. Ltd.(Pharma division)	Chemist in Formulation and Quality Control	
	Abbott Health care Pvt. Ltd.	Field Sales Officer	
2011-2012	Wockhardt Ltd.	Marketing Executive	09
	Appasamy ocular device Pvt. Ltd.(Pharma division)	Chemist in Formulation and Quality Control/ Quality	
	Nouveau Medicament Pvt. Ltd.	Sales Executive	

5.1.17 Does the institution have a registered Alumni Association? If yes, what are its activities and contributions to the development of the institution?

APCP Alumni Activities are given below:

- ❖ Community services like health awareness camps conducted.
- ❖ Alumni Sponsored seminars conducted.
- ❖ Career guidance and placement assistances are followed by our alumni.
- ❖ Recent updates of the professional skills through alumni.
- ❖ Guidance of UG and PG students while doing project studies.
- ❖ Gift samples are provided by our alumni.
- ❖ During industrial visit, our alumni's prefer the companies.

5.1.18 List a few prominent alumni of the institution.

S.No.	NAME	QUALIFICATION	PRESENT POSITION
1.	Dr. Dhinesh Natarajan	M.Pharm., Ph.D., Post doc.,	Senior Scientist, Head of Pharmaceutical Sciences, Sivida Corp, U.K.
2.	Dr. Shajely Begam	M.Pharm., Ph.D	Associate Professor, BHU, Varanasi.
3.	Dr. N. Arulsudar	M.Pharm., Ph.D	Associate Professor, MS University, Baroda.
4.	Dr. K. Baskar Reddy	M.Pharm., Ph.D	Dean Research in Sri Venkateswara College of Pharmacy, Chittoor, A.P.
5.	Mr. M. Sugumaran	M.Pharm	Drugs Inspector
6.	Mrs. Chitra	M.Pharm	Central Drug Inspector
7.	Mr. Prabhu	M.Pharm	Drugs Inspector
8.	Mr. Kathiravan	M.Pharm	Drugs Inspector
9.	Dr. Raja Mohammed	M.Pharm., Ph.D	Chief Research Scientist, Technology Transfer, Orchid Health Care, Chennai.
10.	Mr. Durga Prasad	M.S	Lamar University, California.

Criterion V – Student Support and Progression

11.	Dr. I.Sowkar Baig	M.Pharm., Ph.D	Sri Venkateswara College of Pharmacy, Chittoor, A.P.
12.	Dr. M. Mothilal	M.Pharm., Ph.D	Deputy Controller of Examiner of Pharmacy, SRM University, Kattangulathur.

5.1.19 In what ways does the institution respond to alumni requirements?

- ❖ The institution responds instantaneously to all the queries of alumni including transcription, recommendation letters, testimonials and job requirements.
- ❖ Organizing alumni meet every year.
- ❖ Inviting alumni as resource person.
- ❖ Guidance for research activities.

5.1.20 Does the institution have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes, APCP has Grievance Cell where the students can get their grievances resolved. Students write their grievances and drop them in the complaint drop box. Grievances like maintaining in sanitary facilities, water quality, and electricity supply addressed immediately by the Maintenance Committee in the college as well as by the Medicine Department in the campus. No other grievances are reported by the students.

5.1.21 Does the institution promote a gender-sensitive environment by (i) conducting gender related programs (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

- ❖ Yes the institute provides a gender sensitive environment.
- ❖ Our health campus has a common Sexual Harassment Cell to address gender related issues. The committee will take appropriate action on the issue. Two faculties of APCP are members in this committee. As the college has more than 50% female students the institution is conscious of a healthy gender sensitive environment. To address faculty related issue in our health campus a separate committee has been constituted.

5.1.22 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

- ❖ As per requirement of statutory body (AICTE, PCI and UGC) and Supreme Court Directive, Institute has constituted Anti-ragging committee for curbing the Menace of Ragging in Higher Educational Institutions under UGC Regulations.
- ❖ The institution has an Anti-Ragging committee. The details of the committee were given in the academic calendar. No instances of any ragging have been reported in the last four years. Every year undertaking from parent and student

has been taken at the time of admission stating he/she will not indulge in the ragging.

5.1.23 How does the institution elicit the cooperation of all its stakeholders to ensure the overall development of its students?

- ❖ Our Institute has collected feedback from the entire stakeholder's viz. student, parent, alumni and outcome of the results favour the institute to improve and development of our students.
- ❖ A Parent Teacher Cell has been constituted to keep regular communication with parents with respect to the progress of their wards. Parents are also encouraged to give their inputs regarding their wards and also other suggestions for development of the institution.

5.1.24 How does the institution ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

- ❖ Opportunities are given for female students to participate in interinstitutional sports competitions and cultural activities
- ❖ Sports and cultural committees organize events exclusively for female students.
- ❖ The sports and cultural committees have female students and staff members to facilitate and encourage the participation of female students.
- ❖ Institute has established NSS Unit (100 students) and conducted 12 special camp by incorporating all the above programs including cultural activities and sports competition.

National Level Achievements in Cultural Activities:

1. National Foundation for Communal Harmony, conducted Painting competition on 14/08/2014, S.Vetrivel, and final B.Pharm won first prize and Vydana Balasivakrishna Mohan won third prize.
2. Inter Pharmacy Collegiate Sports meet on 18/11/2014, A.Vijay and co.

5.1.25 Does the institution enhance the student learning experience by providing for rotation from the teaching hospital to the community and district hospital during the internship period?

- ❖ B. Pharm students during the training period in the industry are given the opportunity to rotate in various departments of the industry to enhance the learning experience.
- ❖ Final Year B.Pharm students attend community pharmacy programs at community hospitals.

5.1.26 Does the institution have immunization policy for its students and staff?

Yes, it is performed regularly.

5.1.27 Does the institution give thrust on students growth in terms of:

Physical development:

- ❖ Hostel is well equipped with gymnasium

Criterion V – Student Support and Progression

- ❖ Play ground with play-courts and equipments available
- ❖ Cultural and sports committees motivate the students to participate in cultural and sports activities
- ❖ Annual athletic meet and sports meets are conducted and prizes are distributed
- ❖ The students are encouraged to participate in inter-collegiate cultural and sports competitions.

Emotional control:

- ❖ Students are counseled by teachers in the mentor meetings
- ❖ Skill based and motivational talks are organized
- ❖ Healthy competition is promoted through sports and cultural activities

Social dimension:

- ❖ The activities of the NSS unit of our college promote social responsibility
- ❖ Blood donation camps and health camps are organized various days of national and international importance are observed by various classes of students separately.

Spiritual growth: Practiced to meditate Yoga etc.

5.2 STUDENT PROGRESSION:

5.2.1 What is the student strength of the institution for the current academic year? Analyze the Program-wise data and provide the trends (UG to PG, PG to further studies) for the last four years.

Year	Number of Students			
	B.Pharm	UG to PG	M.Pharm	PG to Ph.D.
2015-2016	225	--	07	--
2014-2015	213	--	03	--
2013-2014	185	02	11	--
2012-2013	171	05	32	--

5.2.2 What is the number and percentage of students who appeared/qualified in examinations for Central / State services, Defense, Civil Services, etc.?

Eight graduates have qualified for the post of Tamil Nadu State Drugs Inspector.

5.2.3 Provide category-wise details regarding the number of post graduate dissertations, Ph.D. and D.Sc. theses submitted/ accepted/ rejected in the last four years.

YEAR	DEPARTMENT	PG	Ph.D
2014-2015	Pharmaceutics	02	01
	Pharmaceutical Chemistry	-	-
	Pharmaceutical Analysis	03	03

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2013-2014	Pharmaceutics	02	01
	Pharmaceutical Chemistry	01	-
	Pharmaceutical Analysis	03	-
2012-2013	Pharmaceutics	14	-
	Pharmaceutical Chemistry	01	-
	Pharmaceutical Analysis	04	-
2011-2012	Pharmaceutics	18	-
	Pharmaceutical Chemistry	10	-
	Pharmaceutical Analysis	17	-

5.2.4 What is the percentage of graduates under AYUSH programs employed in the following?

- * AYUSH departments/Hospitals,
- * Multinational companies,
- * Health clubs,
- * Spas,
- * Yoga wellness centers,
- * Yoga studios,
- * Health clubs,
- * Own Yoga cubes/studios: Not Applicable.

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, cultural and extracurricular activities available to students. Furnish the program calendar and provide details of students' participation.

- ❖ The cultural and extra curricula activities are conducted during Fresher's day and Aspiration, annually.
- ❖ Sports and athletic meets are organised separately once in an academic year.

SPORTS :-

Cricket, Volley ball, Throw ball, Shuttle badminton, Table tennis, Chess, Carrom, Kabaddi and Tug of war, track and field events.

CULTURAL ACTIVITIES :-

Singing , Dance (folk, western), Face Painting, Ikebana, Fashion Show, and Street Play

1. National Foundation for Communal Harmony, conducted Painting competition on 14/08/2014, S.Vetrivel, final B.Pharm got first prize and Vydana Balasivakrishna Mohan got third prize.
2. Inter Pharmacy Collegiate Sports meet on 18/11/2014, A.Vijay, E.Arun and its group. .
3. Abdul raasid and Rajesh Kumar of third B.Pharmacy students had actively participated in the cultural competition conducted for National pharmacy week celebrations on 24-11-2012 by The Tamilnadu Dr. M.G.R. Medical University, Chennai. Our college students, Sivaganeh, N.Gayathiri devi & J.Prabakaran and Priyanka had won the first, second and third prizes

Criterion V – Student Support and Progression

respectively of Elequition competition on the title “Abdul Kalam and youth” for youth inspiration day celebrations on 15-10-2015.

4. In the inter college competition conducted by Adhiparasakthi group of institutions for Arulthiru Amma’s 75th birth anniversary celebrations, J.Prabakaran final year won third prize in solo song with karoke and P.Prasath won third b.pharm won third prize in instrumental music solo on 23-01-2015.
5. Adhiparasakthi group of institutions conducted Arulthiru Adigalar birthday celebrations on 01-03-2014. S.Vetrivel (fourth B.Pharm) and the students from third and second B.Pharmacy actively participated in the cultural celebration.

EXTRACURRICULAR ACTIVITIES:-

Quiz, Debate and Extempore speech.

- 5.3.2 Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. during the last four years.**

Level of Participation	Participation	Achievement
2012-13		
University Level	Pharmacy Week Celebrations Chess Competition	-----
2013-14		
State Level	Inter-Pharmacy Collegiate Sports meet at SRMC, Chennai.	3 rd Position
2014-15		
Intercollege Level	Athletics – Running (400 Mts)	3 rd Position
Intercollege Level	Athletics – Running (100 Mts)	2 rd Position
National Level	Painting Competition	1 st and 3 rd Position.
Institute Level	Solo song with Karoke	3 rd Position
Institute Level	Instrumental Music	3 rd Position

- 5.3.3 Does the institution provide incentives for students who participate in national / regional levels in sports and cultural events?**

Yes,

- ❖ Travelling allowance, boarding and lodging facilities are provided
- ❖ Registration / entry fee is provided
- ❖ Costumes and sports attire are provided.

- 5.3.4 How does the institution involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.**

Criterion V – Student Support and Progression

Our staff members encourage students to publish material in Magazine.

- ❖ APCP publishes annual college magazine “*PHARMFEST*”. It is a compilation of student achievements and released by students during the College Day celebrations. Student editor works on this under the guidance of a staff editor.
- ❖ Catalogues on social themes are prepared by NSS team. Short programs on various social issues are also made by the students. Wall papers through Science Club activities are made by students.

5.3.5 Does the institution have a Student Council or any other similar body? Give details on its constitution, activities and funding.

- ❖ The class teacher is selected a boy or a girl as class representatives based on the quality of the leadership for each class.
- ❖ The funds for all the activities are provided by the management, but the students are free to spend extra money if they so desire.

5.3.6 Give details of various academic and administrative bodies that have student representatives in them. Also provide details of their activities.

Committee	Details of Activity
Student Council	<ul style="list-style-type: none">❖ Organization of various extracurricular activities at intra and intercollegiate level.❖ To promote and motivate the students for Participation in different events.❖ To promote a cooperative culture amongst the students and to enhance their leadership skills
NSS Volunteers	<ul style="list-style-type: none">❖ Organization of different Social Activities.❖ Communication with the society.
Cultural committee	<ul style="list-style-type: none">❖ Organizing the Fresher’s day and Amma’s Birthday❖ Participating in intercollegiate competitions
Sports committee	<ul style="list-style-type: none">❖ Selection of college team to represent the institution in intercollegiate sports events.
Magazine committee	<ul style="list-style-type: none">❖ printing and publishing the magazine
Anti-ragging committee	<ul style="list-style-type: none">❖ ensuring strict compliance of rules and regulations as per apex body norms❖ Anti -ragging squad visits the hostels to inspect and to ensure the strict compliance of norms and to build camaraderie between freshers and seniors.
Alumni association	<ul style="list-style-type: none">❖ Responsible for organizing alumni meet.

CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1. State the vision and the mission of the institution.

The vision and mission of the institution are given below.

VISION

- To mould youth to combat changing challenges and to serve global community, with professional competence and spiritual commitments to excellence.
- Advance learning and knowledge by teaching, research and by extension programmes so as to enable a student to obtain advantages of pharmacy education.
- To provide the right kind of leadership in all ambles of life.

MISSION

To provide quality, value-based and career-oriented education to students, especially rural young men and women, who will be the agents of societal transformation and global development through their selfless and spiritual services.

6.1.2. Does the mission statement define the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, the institution’s tradition and value orientations, its vision for the future, etc.?

Yes. All the academic, co-curricular, extracurricular and research activities of the college are planned and executed keeping in view the Mission and objectives.

Quality of Education:

Our unwavering commitment to quality education and experiential learning ensures that our students develop the abilities for critical thinking and evaluation of issues; they are trained to translate concepts and theoretical knowledge into real time situations.

Value based Education:

To inculcate professional and interpersonal skills in students by providing healthy and competitive environment.

Career Oriented Education:

The institute provides academic ambience through inspiration, fosters enthusiasm and motivation so as to realize challenging and rewarding career pathways to students.

6.1.3 How is the leadership involved in

*** developing E-Governance strategies for the institution?**

- ✓ Our college provides internet facility for all faculties.
- ✓ The library usage is simplified by the use of softwares (**NirmalPro6.1.0 Standard Package**) that allows checking accession numbers for book issuing and return & availability of books.

*** ensuring the organization’s management system development, implementation and continuous improvement?**

The processes instituted for the delivery of the management’s vision, mission and quality policy have been continuously evolved and the formats are

Criterion VI – Governance, Leadership and Management

continuously improvised as reflected in the daytoday submission of various activities.

*** interacting with its stakeholders?**

Our Principal interacts frequently with stakeholders viz the staff, the students, the parents, alumni and employers in the following ways:

- ✓ **Students:** During Freshers Day for First Year B. Pharm students, cultural programs, annual gathering, meetings of various committees, NSS program, fare well function, National Pharmacy Week, sports activity etc.
- ✓ **Staff:** Periodic staff meetings, examination meetings, academic meetings, planning meetings etc.
- ✓ **Parents:** Parents meet, admissions, any important issue
- ✓ **Alumni:** Alumni meet, various functions, lectures
- ✓ **Employers:** During lectures, conferences, seminars, training and placement activity.

*** reinforcing a culture of excellence?**

- ✓ Our Principal frames the policy and future plans of every academic year after consulting with management on academic and administrative activities.
- ✓ Our principal conducts faculty meetings at the beginning of the every academic year for discussion of future Goals, Plans, Admission position, and institutes achievement.
- ✓ Our principal discusses about policy statements and future plans with the IQAC members, Parents, students, alumni and stakeholders.
- ✓ Principal nominates different committees with their conveners and members and distributes the work to the committees along with the objectives to be fulfilled.
- ✓ Eminent personalities from the field of research, academics are invited to enhance the quality parameters and reinforce culture of excellence in students.
- ✓ Work progress is monitored by our principal by conducting meeting at regular intervals.
- ✓ Faculty implements the academic plans of the institute and provides quality Teaching- Learning to students.
- ✓ Principal and faculty members regularly monitor the overall progress of the institute.

*** identifying organizational needs and striving to fulfill them?**

- ✓ Our management motivates our institution to achieve level of perfection in consultation with principal and the governing body of the institution.
- ✓ Our management provides the facilities in terms of infrastructure, qualified staff, instruments, class room facilities, teaching aids etc.
- ✓ Our principal conveys the information through Hods of the institute, regarding identification of needs of the organization such as infrastructure, faculty, equipments, books etc.
- ✓ The principal with support of management strives to fulfill the same by taking immediate decisions and passing instructions/approvals in writing

Criterion VI – Governance, Leadership and Management

and thus the necessary requirements of the institution are met by the management.

6.1.4 Were any of the top leadership positions of the institution vacant for more than a year? If so, state the reasons – No.

6.1.5 Does the institution ensure that all positions in its various statutory bodies are filled and meetings conducted regularly – Yes.

6.1.6 Does the institution promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, the institution encourages participative management by being receptive to suggestions and advice from all the stake holders and ensures wide-ranging inputs which in turn are incorporated into the decision making processes of the institution and subsequent implementation. The various levels of participation are as below:

Teaching Staff Representation:

1. Governing Council committee
2. Discipline and welfare committee
3. Compliance and Redressal Committee
4. Anti-ragging Committee
5. Examination committee
6. Training and Placement committee
7. Industry Institute Interaction cell
8. Sports and Games committee
9. Alumni Committee
10. NSS/ YRC committee
11. Magazine committee
12. Cultural committee
13. Printing and Publishing committee
14. Purchase committee

Non - Teaching Staff Representation

1. Local managing committee
2. Admission committee
3. Anti-ragging Committee
4. Discipline and welfare committee
5. Instrumentation and service cell.
6. Sports and games committee.
7. Printing and Publishing committee

Students Representation

1. Anti-ragging Committee
2. NSS/ YRC committee
3. Discipline and welfare committee
4. Compliance and Redressal Committee
5. Training and Placement committee

Criterion VI – Governance, Leadership and Management

6. Students Editorial Board
7. Industry Institute Interaction cell
8. Cultural committee

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges / constituent units and the support and encouragement given to them to become autonomous.

STAFF MEMBERS ARE HOLDING VARIOUS RESPONSIBLE POSITIONS IN APCP

S.No.	Name of the faculty	Position
1.	Dr.T.Vetrichelvan	Board of study member, Senate member, Ph.D screening committee member, Vigilance squad/ Observer and University Inspector, Moderator In The Dr.M.G.R University, Ph.D Research guide.
2.	Dr.S.Shanmugam	Board of study member, Ph.D screening Committee member, University Inspector, University research council member. Moderator In The Dr.M.G.R University, Ph.D Research guide.
3.	Dr.D.Nagavalli	University inspector, Faculty member, Moderator In The Dr.M.G.R University, Ph.D Research guide.
4.	Mr.T.Ayyappan	University inspector, Vigilance squad/ Observer.
5.	Mr.S. Murugan	NSS officer

6.1.8 Have any provisions been incorporated / introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges – NA.

6.1.9 How does the institution groom leadership at various levels? Give details.

We feel leaders are not born they are developed and groomed, in this line all faculty members employed in APCP have been placed under different committees to acquire leadership qualities. They are also given tasks and additional responsibilities from time to time as per requirements.

6.1.10 Has the institution evolved a knowledge management strategy which encompasses the following aspects such as access to

- * **Information Technology,**
- * **National Knowledge Network (NKN),**
- * **Data Bank,**
- * **Other open access resources along with effective intranet facilities with unrestricted access to learners.**

If yes, give details.

Criterion VI – Governance, Leadership and Management

- ✓ **Information Technology-** Yes, internet provisions are there for staff and students in each department.
- ✓ **National Knowledge Network (NKN)-** The institute has subscribed for e-journals – Delnet, through National Knowledge Network facilities.
- ✓ **Data Bank-** Access to external research databases is also available.
- ✓ **Other open access resources along with effective intranet facilities with unrestricted access to learners-** NA.

S.No.	Department / Section	Particulars of Documents maintained
1.	Establishment section	<i>Institutional records</i> Affiliation/approvals orders Appointment details of staff members. Leave records of staff members Inward and outward registers. <i>Faculty details</i> Educational qualifications and Experience Promotional details
2.	Academics section	Academic time table Faculty workload and Teachers Diary Theory/Practical classes conducted
3.	Central stores	Quotation and purchase details Stock registers Receiving indent and issuing records
4.	Accounts section	Fees approval details Budget Approval Balance sheet approvals
5.	Student section	Admission details Application details Documents for Scholarship Original documents
6.	Exam section	Applications Internal and University Mark register. Student results details Question bank

6.1.11 How are the following values reflected in the functioning of the institution?

- * **Contributing to National development**
- * **Fostering global competencies among students**
- * **Inculcating a sound value system among students**
- * **Promoting use of technology**
- * **Quest for excellence**
 - ✓ **Contributing to National development-** Through National Service Scheme (NSS), Red Cross Society, and various other outreach programs, students

Criterion VI – Governance, Leadership and Management

are involved in camps and educational awareness programs for the public in rural areas.

✓ **Fostering global competencies among students**

Students are motivated to undertake research projects and publish/present their findings in peer reviewed national and International Journals.

✓ **Inculcating a sound value system among students-** Student council is made responsible to organize various student events and give them a real life learning experience regarding organizational skills and inter personal interactions and problem solving.

✓ **Promoting use of technology-** Evidence based learning with the use of technology is followed in research.

✓ **Quest for excellence-**By motivation and through Industry Institution and inter-institutional academic interactions

6.1.12 Has the institution been indicted / given any adverse reports by National Regulatory bodies? If so, provide details – No.

6.1.13 What are the projected budgetary provisions towards teaching, health care services, research, faculty development, etc.?

Individual departments submit budgetary proposals for each academic year, which are approved and sanctioned by the management without any hindrance.

	2011 – 12 Rs. in lakhs	2012 – 13 Rs. in lakhs	2013– 14 Rs. in lakhs	2014 – 15 Rs. in lakhs
Teaching	92.52	87.02	82.64	98.55
Research	2.98	2.48	3.51	2.87
Faculty development	5.84	5.70	2.98	7.30

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the institution have a perspective plan for development? If yes, what aspects of the following are considered in the development of policies and strategies?

- * **Vision and mission**
- * **Teaching and learning**
- * **Research and development**
- * **Community engagement / outreach activities**
- * **Human resource planning and development**
- * **Industry interaction**
- * **Internationalization**

VISION

- To mould youth to combat changing challenges and to serve global community, with professional competence and spiritual commitments to excellence.
- Advance learning and knowledge by teaching, research and by extension programmes so as to enable a student to obtain advantages of pharmacy education.
- To provide the right kind of leadership in all ambles of life.

MISSION

To provide quality, value-based and career-oriented education to students, especially rural young men and women, who will be the agents of societal transformation and global development through their selfless and spiritual services.

Teaching and learning- Teaching and learning are integral to the academic institution; hence all the faculty members are encouraged to attend teaching workshops, seminars and conferences to incorporate the latest developments in teaching and learning.

Research and development- The research and development being contemporary is realised by constant updating of knowledge through journal club meetings and research review meetings.

Community engagement / outreach activities- The community engagements/ outreach activities include conduct of various camps, engagements, lectures and Exhibition to create health awareness among the general public and school children. In health care our students go to the rural hospitals to educate the community on drug utility. Apart from this NSS program has been organized every year to have outreach programs.

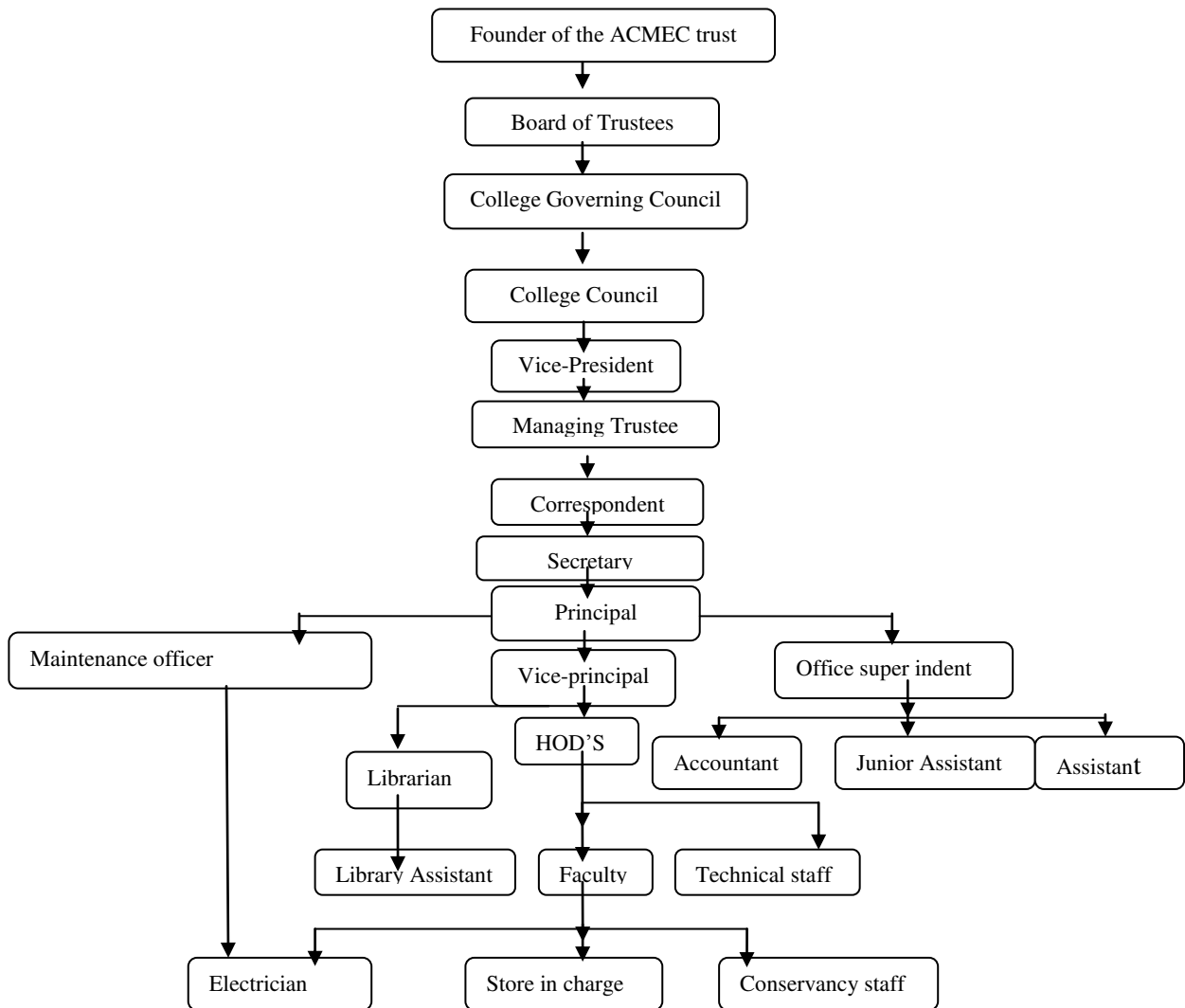
Human resource planning and development- Human resource planning and development is organised through constant encouragement and help to the teaching staff to achieve more in terms of their knowledge and engagement in research publications. As per the statutory body guidelines, Human Resources for teaching and non-teaching staff are followed in the recruitment. Developmental activities for faculty are initiated through orientation program for various important aspects. Annually the faculty members are assessed by their performance and they are given appraisal from the management. To promote faculty for higher qualification.

Industry interaction- The Industry Institution Interaction Cell of the college is involved in inviting experts from the industry to interact with staff and students and update them with the latest developments and requirements of the Pharmaceutical Industry. The Placement Cell helps students to get in-plant training and placements within the industry.

Internationalization- Faculty members are also encouraged to attend international conferences in their respective fields of expertise. The institution is constantly striving to get international focus in terms of its publications in reputed journals and presentations in international conferences, including organizing international conferences.

6.2.2 Describe the institution’s internal organizational structure (preferably through an organogram) and decision making processes and their effectiveness.

ORGANISATION STRUCTURE



Is there a system for auditing health care quality and patient safety? If yes, describe- NA.
How often are these review meetings held with the administrative staff: NA.

6.2.3 Does the institution conduct regular meetings of its various Authorities and Statutory bodies? Provide details.

- ✓ The institutional Governing body meeting will be held twice in a year.
- ✓ Head of the Department meeting as and when required
- ✓ Faculty meeting is conducting every month.
- ✓ PTA meeting held after every Term exams.
- ✓ Student representative meeting twice in a year
- ✓ IQAC meeting is conducted every quarterly
- ✓ Feedback committee and alumni committee meeting is conducted quarterly.

S.No.	Statuary body	Meetings
1.	Governing body	Twice in a year
2.	Research Advisory Board	Twice in a year
3.	HOD	Every three months
4.	PTA meetings	After the End of every exams
5.	Student representative meetings	Once in a year
6.	Anti –ragging	Bi - annually
7.	Grievances redressal	Bi - annually

6.2.4 Does the institution have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?

- ✓ The institution has formal policies to ensure quality education and quality assurance which has been driven, deployed by IQAC and reviewed periodically. The quality products outcome has been ensured through Admission of students through merit into various program
- ✓ Quality teachers having different exposure and expertise have been appointed to teach and do research industrial oriented teaching and learning process Continuous and comprehensive evaluation process.
- ✓ The quality has been ensured through internal and external audit of the teaching/learning process.
- ✓ Internal audit is done periodically by academic and examination committee.
- ✓ Separate committee on maintenance will look on quality procedures and effective functioning of the equipments.

6.2.5 Does the institution encourage its academic departments to function independently and autonomously and how does it ensure accountability?

Yes. All the academic departments are allowed to function independently and autonomously. The accountability of the academic departments lies with Head of the Department. The roles and responsibilities of the heads have been well defined. The required facilities for smooth functioning of the academic activities have been ensured.

6.2.6 During the last four years, have there been any instances of court cases filed by and / or against the institution? What were the critical issues and verdicts of the courts on these issues – None.

6.2.7 How does the institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?

Yes. In our college we are having grievance cell with respective members who are provided for students. After every quarter, feedback from students is collected. Any

valid grievance represented at the Student Representative meeting and at the annual general body meeting has been implemented after assessment. Based on the nature of the complaints, it is referred to the department concerned for rectification.

6.2.8 Does the institution have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes. Institution has a mechanism to analyze the student feedback. All valid and justifiable grievances are swiftly sorted out through committees and communicated back to the students.

6.2.9 Does the institution conduct performance audit of the various departments?

Yes. In this audit various parameters including academic performance, research potential and placements are taken into consideration. Departments are required to maintain records of high-end equipments in the department, their updated SOPs, result analysis of every year, research publications, grants received and placement details of PG students of the department with their photographs and all other details.

6.2.10 What mechanisms have been evolved by the institution to identify the developmental needs of its affiliated / constituent institutions – Not Applicable.

6.2.11 Does the institution and hospital have their own updated websites? If so, is the information regarding faculty and their areas of specialization, days of availability, timings, and consultation charges available on the website?

Yes, APCP has its own website [www.http://apcp.in](http://apcp.in) and all the details related to the institution are provided.

6.2.12 What are the feedback mechanisms and documentations to evaluate the outcomes of these exercises?

The effective functioning and governance of the institute has been ascertained through effective feedback system from the Management, stakeholders, students and faculty. The documents available for the effect is feedback collected. The information has been carefully analyzed and implemented to have quality outcomes.

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff? What is the impact of continuing Professional Development Programs in enhancing the competencies of the university faculty?

- The institution supports the teaching and non-teaching staff for higher studies and distance mode education. Professional development is fast tracked by workshops, and seminars
- At the institutional level the staffs members are made to undergo training.
- Non- teaching staff members are trained by concerned teachers with regard to their functions and responsibilities in the laboratories.
- These initiatives have helped in improving the effectiveness of classroom and laboratory interaction with the students.

Criterion VI – Governance, Leadership and Management

6.3.2 What is the outcome of the review of various appraisal methods used by the institution? List the important decisions.

The appraisal methods help to overcome the barriers in teaching and learning process. It also provides the platform for the faculty to self-evaluate his/her performance periodically. It also helps in fine-tuning the targets and objectives.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefited from these schemes in the last four years? Give details.

- Free medical treatment in the trust hospital
- Free transport facility
- Accommodation in campus
- Campus canteen facilities
- Financial aid to the home functions
- Free lab coat, and uniform for lab assistants
- Festival advance is provided during Pongal, Diwali
- Preference for admission in the trust institutions for their children.
- The faculties are given cash awards for obtaining 100% results
- To pursue Ph.D. work facilities in all the institutions could be used by faculties
- In pharmacy week celebrations, the contributions for the institutional development are honored by the management.
- Advertisements are given to congratulate the staff's contributions through APTI bulletin and journals, notice board and newspapers.
- Employees have received Fixed Deposits for completion of 10 years of service in this institution.

S. No.	Employees Name	Designation	Amount Received in February 2015
1	Dr. T. Vetrichelvan	Principal	Rs. 10000/-
2	Mr. K. Sundaramoorthy	Professor	Rs. 10000/-
3	Dr. D. Nagavalli	Professor	Rs. 10000/-
4	Dr. S. Shanmugam	Professor	Rs. 10000/-
5	Mr. T. Ayyappan	Associate Professor	Rs. 10000/-
5	Mr. S. Elumalai	Assistant Administrative officer	Rs. 5000/-
6	Mr. M. Suresh	Librarian	Rs. 5000/
7	Mr. K. Sekar	Attender	Rs. 5000/
8	Mrs. S. Karpagavalli	Lab Assistant	Rs. 5000/
9	Mr. M. Gomathisankar	Lab Assistant	Rs. 5000/
10	Mr. S.Hanif Basha	Technical person	Rs. 5000/

Criterion VI – Governance, Leadership and Management

11	Mrs. A. Devaki	Sweeper	Rs. 5000/
12	Mrs. K. Ilankili	Sweeper	Rs. 5000/

6.3.4 What are the measures taken by the institution for attracting and retaining eminent faculty?

- Eminent faculty members are given academic freedom to achieve their goals and targets.
- They are also encouraged to attend national and international conferences with financial support.
- Additional increments are given.
- Partial or full financial assistance for attending conferences, workshops and seminars

6.3.5 Has the institution conducted a gender audit during the last four years? If yes, mention a few salient findings – Yes.

Gender audit report

S.No.	Course	2011		2012		2013		2014		2015	
		M	F	M	F	M	F	M	F	M	F
1.	B.Pharm	44		24	30	24	34	31	31	30	30
2.	M.Pharm			3	2	-	-	2	1	2	2

There is an overall increase in the total number of students admitted.

- There is a gradual increase in the number of girls joining the course.
- The number of students taking up PG studies has drastically reduced.
- Admissions in departments like Pharmaceutical Analysis, Pharmaceutical Chemistry and Pharmaceutics have drastically dropped.

6.3.6 Does the institution conduct any gender sensitization programs for its faculty?

Yes, All the staff members in general are made aware of moral, ethical values and are made gender sensitive without scope for any sort of unacceptable behavior. So far there are no incidents of gender insensitive issues.

6.3.7 How does the institution train its support staff in better communication skills with patients? NA.

6.3.8 Whether the research interests of teaching faculty are displayed in the respective departments – Yes.

6.3.9 Do faculty members mentor junior faculty and students?

Yes, mentorship is part of the college activity; the students are posted under the senior faculty for mentorship. Similarly junior faculties are guided by the senior faculty to understand the system existing in the institute, academic and research development.

Criterion VI – Governance, Leadership and Management

6.3.10 Does the institution offer incentives for faculty empowerment – Yes.

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

The financial resources will be allotted based on the annual budget, which will be finalized upon the previous audited budgets.

6.4.2 Does the institution have a mechanism for internal and external audit? Give details - Yes. This is done by the accounts department of the parent trust.

6.4.3 Are the institution's accounts audited regularly? Have there been any audit objections, if so, how were they addressed - Yes. The institution's accounts are audited regularly. There have been no audit objections.

6.4.4 Provide the audited statement of accounts with details of expenses for academic, research and administrative activities of the last four years.

Academic year	Income	Expenditure
2014-2015	80,57,362/-	1,08,72,945/-
2013-2014	68,10,458/-	89,13,234/-
2012-2013	86,57,167/-	95,20,572/-
2011-2012	1,13,66,121/-	1,01,34,355/-

6.4.5 Narrate the efforts taken by the institution for resource mobilization.

The institution being very well established, in times of financial inadequacies, the management has been supporting the institution

6.4.6 Is there any provision for the institution to create a corpus fund? If yes, give details - Yes. Development fund has been maintained.

6.4.7 What are the free / subsidized services provided to the patients in the hospital?
Not Applicable.

6.4.8 Does the institutions receive fund from philanthropic organizations / individuals towards patient care? If yes, give details – Not Applicable.

6.4.9 Do patients from other states / abroad come for treatment, reflecting the unique quality health care provided by the institution - Not Applicable.

6.5 INTERNAL QUALITY ASSURANCE SYSTEM

6.5.1 Does the institution conduct regular academic and administrative audits? If yes, give details.

Yes, the Institution conducts regular audit (quarterly) on the academic activities by the Academic Committee.

6.5.2 Based on the recommendations of the Academic Audit, what specific follow up measures have been taken by the institution to improve its academic and administrative performance?

The implementations of arrangement of guest lectures per subject and day to day filing of academic activities as well as weekly preparedness statement are some of the important measures implemented.

6.5.3 Is there a central unit within the institution to review the teaching-learning process in an ongoing manner? Give details of its structure, methodologies of operations and outcome?

Yes. The teaching/learning process is reviewed through the committee meeting at the starting and end of the year. The review is made on the student performance difficulties encountered in the teaching learning process. In the review meet the class teacher of the respective classes take part. Monthly review of the academic activities is also done through submitting monthly appraisal form indicating the details of the academic problems encountered.

6.5.4 How has IQAC contributed to institutionalizing quality assurance strategies and processes?

All the processes in day-to-day practice are in place as a mandatory requirement of the management policy. These mechanisms being practiced have institutionalized the concept of quality in all our academic activities including co-curricular activities.

Composition of IQAC

S.No.	Name	Designation
1.	Dr. T. Vetrichelvan	Chairperson
2.	Mr. M. Suresh	Senior Administrative Officer
3.	Mr. S. Elumalai	Senior Administrative Officer
4.	Mrs. S. Karpagavalli	Senior Administrative Officer
5.	Dr. D. Nagavalli	Faculty Member
6.	Mr. K. Sundaramoorthy	Faculty Member
7.	Mr. T. Ayyappan	Faculty Member
8.	Mrs. S. Shoba	Faculty Member
9.	Mrs. S. Sathya	Faculty Member
10.	Dr. E. Srilekha	Management Member
11.	Mr. K. Haridoss	Local Society Member
12.	MS. G. Divya	Student Member
13.	Mr. K.C. Saravanan	Student Member
14.	Mrs. M. Sumithra	Alumnus
15.	Mr. V. Manimaran	Alumnus
16.	Mr. S. Sivapragasam	Stakeholder - Industrialist

Criterion VI – Governance, Leadership and Management

17.	Dr. S. Kavimani	External Expert
18.	Dr. S. Shanmugam	Co - ordinator

- 6.5.5 How many decisions of the IQAC have been placed before the statutory authorities of the institution for implementation?**
- ✓ Continuous improvement related to academics and examination patterns has been placed before the academic committee and same has been implemented effectively.
 - ✓ MOUs were signed with 7 Industries as decided by IQAC.
 - ✓ 144 families were identified by our students and faculties for doing service.
- 6.5.6 Are external members represented in the IQAC? If so, mention the significant contribution made by such members.**
- ✓ Yes, Dr. S. Kavimani, Professor and Head Dept of Pharmacology, Pondicherry university, Pudhucherry.
 - ✓ Mr. S. Sivaprakasam, Director, Sunglow Pharmaceuticals Pvt. Ltd, Pudhucherry.
- 6.5.7 Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society**
- Yes, the IQAC has constantly monitored the incremental academic growth of students from disadvantaged sections of the society.
- 6.5.8 Are there effective mechanisms to conduct regular clinical audit of the teaching hospital? Give details - Not Applicable.**
- 6.5.9 Has the institution or hospital been accredited by any other national / international body – NA.**
- 6.5.10 Does the hospital have institutional and individual insurance schemes to cover indemnity claims: NA.**

CRITERIA VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the institution conduct a Green Audit of its campus?

Yes, Importance is given to maintain greenery on the campus.

- Herbal garden with important medicinal plants and being well maintained.
- All the old big trees on the campus are being spruced regularly.
- Gardeners are appointed for the care and upkeep of greenery on the campus.
- In and around the campus the area is being maintained as plastic free zone and No Smoking area.
- Our institution monitored green environment while using different energy levels. The emission of gas and harvesting of water is managed by sewage treatment plants.

7.1.2 What are the initiatives taken by the institution to make the campus eco-friendly?

- * **Energy conservation**
 - Awareness is created to save energy.
 - Centralized tanks are put together and reduce the water wastage.
 - Campus has 125 KVA generator
 - 100 KVA Transformer
- * **Standard electrical fittings** are used to save power.
- * **Use of renewable energy** - No
- * **Water harvesting** - Yes
- * **Solar panels** - Yes
- * **Efforts for carbon neutrality** - No
- * **Plantation** - Botanical or Medicinal significance. Herbal garden is maintained. College students visit for study purpose. Awareness talks are organized for students and staff by inviting resource person.
- * **Bio-hazardous waste management** – Incinerator is available at our Trust Hospital.
- * **E-waste management** - No.
- * **Effluent treatment and recycling plant**

This is done in ACMEC Trust, Melmaruvathur. STP is designed with sequential batch reactor that would treat at a flow rate of 100 cubic meter/hr so that the present available capacity of 800 KLD. The effluent generated in the campus is treated within 8 hours and by extending the operational hrs to 20.
- * **Recognition / certification for environment friendliness** – Nil.
- * **Any other Specify** - Conducted eco-friendly Rally on account of 75th Birtday celebrations of our Founder President.

7.1.3 How does the institution ensure that robust infection control and radiation safety measures are effectively implemented on campus?

An Infection Control Team has been established at the Adhiparasakthi Hospital which has come up with a working manual for Infection control in the campus. Standardized and established scientific protocols for radiation safety are employed in the hospital, especially with respect to the X-ray room.

7.1.4 Has the institution been audited / accredited by any other agency such as NABL, NABH, etc., - No.

7.2 INNOVATIONS

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the institution.

- Bringing awareness about the course by writing articles in news papers.
- Addressing 10+2 students to bring awareness about the importance of pharmacy.
- Professional lectures are given in nearby Schools by our faculties.
- Orientation programme at the beginning of the course.
- Celebration of Freshers' day.
- Website of the institution with up to date developments.
- Constitution of various committees to manage the curricular and co-curricular activities.
- Introduction of concept of course plan and course files.
- Sending attendance on Mobile devices via SMS service to parents.
- Constitution of anti- ragging committee.
- Psychological counseling centre.
- Sending of progress reports to parents by post.
- Campus and off campus placements.
- Conducting workshops and hands on training.
- Conducting national conferences/seminars/symposium.
- Organizing national level inter collegiate cultural programme.
- □Releasing college magazine.
- Guest lecturers for all the departments.
- Conducting industry institution interaction for curriculum up gradation.
- Given awards, scholarships to the students for securing rank holders.
- Conducting pharma exhibition every year.

7.3 BEST PRACTICES

7.3.1 Give details of any two best practices that have contributed to better academic and administrative functioning of the institution.

format for Presentation of Best Practices

Best Practice – 1

1. Title of the Practice

Periodical Assessment in academics and evaluation of governance and leadership.

2. Objectives of the Practice

Designing curriculum through evidence based learning process covering the following:

- Orientation program at student entry level
- Industrial Visit for third year B.Pharm. students
- Hospital training for fourth B.Pharm. students
- Industrial training for the Fourth B Pharm. students
- Personality and Soft Skilled development program for fourth year B.Pharm students.

The institution has taken sincere and dedicated efforts to:

- Implement internal assessment component at Undergraduate and Postgraduate levels.
- Make admissions through aggregate of marks in specified subject as per Tamilnadu government norms.
- Initiating efforts to admit students at Ph.D. level through entrance test.
- Make changes in Ph. D. registration so that the registration is done only twice a year instead of irregular and different schedules adopted earlier by affiliating university.
- The above will also lead to conduct of regular meetings of academic advisory committee and college governing council at least twice a year.
- Hold regular meetings of different committees, as a result, innovative practices are initialized for doing academic and research activities.

The quality of its academic programme based on the following:

- By providing excellent infrastructure and instructional facilities.
- Affords industrial visits for both UG and PG students.
- Sanctioned to attend various national and international conferences.
- Making self-confidence of the students by attending orientation programme.

3. The Context

There is an increasing demand for Pharmacy graduates in the healthcare sector. The present syllabus hasn't fully equipped so as to fit the student into the modern pharmaceutical industry as well as healthcare because of drastic strides made in pharmaceutical technology, clinical pharmacy, and other pharmaceutical disciplines. Therefore Adhiparasakthi College of Pharmacy decided to introduce these objectives into the curriculum design to increase the competitive edge of the graduates. These objectives covers a wide range of student competencies make sure that students are employable not only in India but also in foreign countries. A benchmark survey has been made with other

successful educational institutions in India. Their best practices are observed and integrated in the curriculum. This resulted in raising the quality of training that graduates receive during their studies at the institution.

4. The Practice

- The importance of the best practices in education can be easily underlined in this powerful, but unsurprising shift. It took a long time, but the change is here, studies have proven that teachers and pupils alike have found it limiting to keep the traditional form of the classroom.
- The institute has various departments like Pharmaceutics, Pharmacology, Pharmaceutical Analysis, Pharmacognosy and Pharmaceutical Chemistry, where each departmental laboratory had strong research capabilities, highly qualified and well trained human resource and excellent research environment.
- Institute has also contacts with more pharmaceutical industry to meet the above objectives and come out with innovative research outcome that will provide latest trends in research and development, industrial training and acquire best skills in pharmaceutical sectors.
- The institute has adopted various approaches to meet best practice of Innovation in Education and Research through the following activities like holding multidisciplinary workshops, symposia and seminars, guest lecturers for advancement of knowledge and skills.
- Identify topics and projects that could be offered with innovative teaching methods and multidisciplinary approach as well as Industry defined projects.
- To identify the state of art (New area of research) technology.
- To motivate the faculty and students to do research on recent developments.
- To organize conference, workshop, seminar & symposium to create awareness among Faculty and students about emerging trend in related area
- To motivate the faculty and student to present/ publish the research papers at reputed journals and conferences.
- To identify thrust areas to know the individual research interest supporting Infrastructure considering the thrust area and state of art.
- To create the awareness about various funding scheme of Government, AICTE, TNMMU, ICMR, etc., and motivate the faculty to prepare good research proposals.
- To organize visits to research organizations, National Laboratories, etc.
- To motivate the staff to pursue higher studies such as Ph.D. & PDF.
- To create the awareness about patent/innovating intellectual rights.
- To encourage the consultancy in related areas.
- To develop research culture in Institute and lifelong learning skills among students /faculty.
- Introducing various departments and their activities through faculty introduction during Fresher's Day Function.
- Introduction given by the Principal about the college academic activities, University regulations regarding teaching/learning process to the Fresher's.
- Examination and evaluation process.

- Explanation of certifying bodies that inspect and evaluate the institution on a regular basis.
- Identifying the talent's of the students and allocating them to the various clubs.
- Explanation of the role of the Student Council and its structure, nomination procedure, and functions.

5. Evidence of Success

- ❖ Many of our alumnis are doing very well in the industry with evidenced from their employer's feedback. Adhiparasakthi College of Pharmacy has been recognized as a reputed institution by a pool of success alumnis existing in various Pharma industries.
- ❖ As a result, increasing the confidence levels of our students, especially post-graduates while working in industries. Rather than stumbling blindly into the industry without basic knowledge, our students are aware about the basic ideas while working in manufacturing, Quality Control and in R & D.

6. Problems Encountered and Resources Required

- ❖ Implementation of the basic requirements for the slow learners and commitments from the teaching community without expecting any remuneration.
- ❖ The faculty members should take necessary efforts and provide coaching classes for slow learners by assessing their previous performances in internal examinations/ University examinations through tutor ward system. The staff members are required to prepare and to get the appropriate study materials for distribution of information in these classes.

Best Practice – 2

1. Title of the Practice

Innovations in Pharmaceutical Research and Education

2. Objectives of the Practice

- ❖ Coaching classes for spoken English.
- ❖ Computer training.
- ❖ Conducting orientation programme for personality development.
- ❖ Career guidance for higher studies and job opportunities.
- ❖ Research culture from UG level.

3. The Context

- ❖ Qualified faculty members.
- ❖ Well established class rooms, Research laboratory facilities etc.
- ❖ Collecting nominal fees prescribed by govt. of Tamil Nadu.
- ❖ The infrastructural facilities like labs, Internet, e-journals, library, latest equipment etc. are strengthened for latest transaction of curriculum.
- ❖ Periodically, we provide opportunity to industrial visit and industrial

training to the final year students.

- ❖ Planning for part of UG project work in industry.
- ❖ Part of PG and Ph.D. projects were performed at various industries.

4. The Practice

- ❖ The third year B Pharm students are given training in various aspects of Hospital Pharmacy and Dispensing Practices. They are exposed to the setup of a model pharmacy in the college premises. This helps them to get hands on training and experience in the field of Community Pharmacy.
- ❖ Industrial training for final year B Pharm students allocates the students to various industries in the southern region of India with a view to help them get hands on experience and training in various aspects of manufacturing, quality control, R&D, and marketing.
- ❖ Soft Skills training is given for our students to develop their personality and presentation skills. It also help the students to tackle job interviews with verve and confidence. Focus is also given on developing IQ as well as interpersonal skills.
- ❖ These are very important today for any person working in the Pharmaceutical Industry, especially when it comes to functioning in higher management and executive roles. Other skills honed in this training are conflict resolution and handling of stressful and difficult situations.

5. Evidence of Success

- ❖ There has been very good feedback from the students as well as the industry in this regard and the interactions have been very productive and healthy. It has given the college a new focus for the development of module courses for our students to make them more proficient for beginning a career in the Pharmaceutical industry. Many of our candidates have found employment in the same industry where they did their industry projects.
- ❖ This interaction with the industry has also encouraged entrepreneurship skills of interested students. As a specific example, one of our students has developed a new herbal formulation for preventing hair loss and has own small scale plant in Tamil Nadu after finishing his M. Pharm at our college.

6. Problems Encountered and Resources Required

- ❖ Limited Research funding from industry and Institution.
- ❖ It is a challenging part of our faculty to spend extra time in beneficial of the scientific interactions apart from their academic schedule.
- ❖ It is a highly challenging task for the availability of concerned resource person from the industry and institution to spend their valuable interactions for sufficient duration between faculty and students inspite of their busy schedule at their host organization.

EVALUATIVE REPORT – DEPARTMENT OF PHARMACEUTICAL ANALYSIS

1. **Name of the Department:** Pharmaceutical Analysis
2. **Year of establishment:** 1993
3. **Is the department part of a college/faculty of the university?** Yes, part of a college.
4. **Names of programs offered (UG, PG, Pharm.D, Integrated masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

Programme Offered	Year of Establishment
UG - (B.Pharm)	1993
PG - (M.Pharm, Pharmaceutical Analysis)	2003
Ph.D. (Pharmaceutical Analysis)	2008

5. **Interdisciplinary programs and departments involved**
NSS Programmes and Ph.D.
6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
 - 1) Nanoceut therapeutics (P) Ltd, Puducherry.
 - 2) Gurufcure, Puducherry.
 - 3) Appasamy ocular devices (P) Ltd, Puducherry.
 - 4) Sunglow pharmaceuticals (P) Ltd, Puducherry.
 - 5) Medopharm (P) Ltd, Chennai.
 - 6) Cassel research laboratories (P) Ltd, Chennai.
 - 7) Arvind remedies Ltd, Chennai.
 - 8) Sankar Labs, Chennai.
 - 9) Twenty First Century Pharmaceuticals (P) Ltd, Chennai.
7. **Details of programs discontinued, if any, with reasons:** None.
8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System**
The Examination System for the programmes offered is as follows:

Examination System	Programme
Annual pattern	<ul style="list-style-type: none">• UG (B.Pharm.)• PG (M.Pharm. Pharmaceutical Analysis)
Full time 3 years and part time 4 years	<ul style="list-style-type: none">• Ph.D. (Pharmaceutical Analysis)

Evaluative Report of Pharmaceutical Analysis

9. Participation of the department in the courses offered by other departments

Name of the Course	Name of the Department	Approved by
PG (M.Pharm.- Pharmaceutical Chemistry)	Pharmaceutical chemistry	AICTE
PG (M.Pharm- Pharmaceutics)	Pharmaceutics	AICTE
UG (B.Pharm.)	Pharmacognosy	AICTE

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Sanctioned	Filled
Professor	1	1
Associate Professor/Reader	1	2
Assistant Professor	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of years of Experience	No of Ph.D Students guided
Dr.T.Vetrichelvan	M.Pharm., Ph.D	Professor	Pharmaceutical Analysis	23	5
Dr.J.Saminathan	M.Pharm., Ph.D	Associate Professor	Pharmaceutical Analysis	10	-
Dr.B.Umadevi	M.Pharm., Ph.D	Associate Professor	Pharmaceutical Analysis	11	-
Mr. S.Murugan	M.Pharm.	Assistant Professor	Pharmaceutical Analysis	5	-
Ms.S.Jayanthi	M.Pharm.	Assistant Professor	Pharmaceutical Analysis	5	-

12. List of senior visiting fellows, adjunct faculty, emeritus professors

Name of Visiting Faculty	Subjects
Dr.K. Valliappan	Analytical Methods Development
Dr.C.N. Nalini	Advanced Analytical Techniques
Prof .K. Kauveri	Validation of Analytical Methods
Dr. N.Kannappan	UV Spectroscopic Method Developments
Dr.R.Suresh	Validation of Analytical Methods
Dr.K.Chitra	Fundamentals of IR Spectroscopy
Dr. N. Pappayee	Fundamentals of UV Spectroscopy

Evaluative Report of Pharmaceutical Analysis

13. Percentage of classes taken by temporary faculty – program-wise information: Nil.

14. Program-wise Student Teacher Ratio

Programme	Student Teacher Ratio
UG (B.Pharm.)	15:1
PG (B.Pharm.)	12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

There is one administrative staff including all departments.

Supporting staff	For B.Pharm.		For M.Pharm.	
	Sanctioned	Filled	Sanctioned	Filled
Academic support staff	2	2	2	2
Administrative staff (common)	1	1	1	1

16. Research thrust areas as recognized by major funding agencies

- The Tamilnadu Dr.M.G.R. Medical University, Chennai.
- UV and HPLC Method Development for Nano Particulate Drug Delivery System.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

None

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration

None

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

S.No	Project title	Project duration	Amount received	Funding agency	Name
1	“UV Spectrophotometric and RP-HPLC Method Development And Validation of Paracetamol, Ambroxol Hydrochloride, Levocetirizine Dihydrochloride, Pseudoephedrine Hydrochloride In Bulk and In Formulation”	2014 to 2015	8000	Tamilnadu Pharmaceutical Sciences Welfare Trust	P. Ponguzhali
2	“QbD Approach for Validated Spectrophotometric, RP-HPLC & HPTLC Method for the simultaneous estimation of Abacavir, Dolutegravir and Lamivudine in bulk and its tablet dosage form“	2015 to 2016	10000	Tamilnadu Pharmaceutical Sciences Welfare Trust	E. Balapriyan

20. **Research facility / centre with State recognition:** Yes, recognized by
The Tamilnadu Dr.M.G.R. Medical University, Ph.D. - Research Center
21. **Special research laboratories sponsored by / created by industry or corporate bodies:**
No.
22. **Publications:**
Number of Papers Published in peer reviewed journals
(National: 21 International: 4)

Name of faculty	No of Publications		Impact factor range	Citation index	
	National	International		Citation	h-index
Dr.T.Vetrichelvan	4	3	0.479-3.919	335	8
Dr.J.Saminathan	5	1	0.515-3.239	33	4
Dr.B.Umadevi	1	-	-	-	-
Mr.S.Murugan	11	1	0.416- 3.136	4	1
S.Jayanthi	-	-	-	-	-

Publications of Dr.T.Vetrichelvan

1. Screening of Cytotoxicity Potential of 6-Haloaryl Benzimidazoquinazolines in Hela Cells., **Indian Journal of Applied Research**, 2015, 5(9), 46-47.
2. Synthesis of 6-Aryl Benzimidazole[1,2-C] Quinazoline Derivatives and Their Antimicrobial Evaluation., **International Journal of Scientific Research**, 2015, 1(8), 60-61.
3. Validated RP – HPLC Method for the Simultaneous Determination of Amlodipine Besylate, Valsartan and Hydrochlorothiazide in bulk and in Pharmaceutical Formulation, **Acta Chromatographica**, 2012, 24(1), 37 – 50.
4. A Validated RP - HPLC method for the Simultaneous Estimation of Lamivudine and Tenofovir Disoproxil Fumarate in pure and in Tablet Dosage Form, **Eurasian J. Anal. Chem.**, 2012, 7 (2), 56 - 66.
5. Development and Validation of UV Spectrophotometric Method for the Simultaneous Estimation of Eprosartan Mesylate and Hydrochlorothiazide in bulk and Formulations, **Indian J. Pharm. Sci.**, 2011, 73 (5), 569 - 572.
6. Development and Validation of Emtricitabine and Tenofovir Disoproxil Fumarate in Tablet Dosage form by UV – Spectrophotometry, **Digest J. Nanomat. Biostruct.**, 2011, 6(3), 1085 – 1090.
7. Simultaneous Determination of Emtricitabine and Tenofovir Disoproxil Fumarate in Tablet Dosage Form by UV – Spectrophotometry, **Asian J. Chem.**, 2011, 23(6), 2719 – 2721.

Publications of Dr.J.Saminathan

1. Development and Validation of HPTLC for the Simultaneous Estimation of Estitalopram oxalate and Clonazepam in its formulation; **International journal of**

- Frontiers in Science and Technology**, 2014, 2(1), 13-23.
2. HPTLC Method Development and Validation for Simultaneous Estimation of Olmesartan Medoxomil, Amlodipine Besylate and Hydrochlorothiazide in bulk drug and formulation, **Analytical Chemistry- An Indian Journal**, 2013,13 (9), 325 - 331.
 3. Development and Validation of HPTLC Method for the Estimation of Rifaximin Bulk and in Tablet Dosage Forms, **PhTechMed.**, 2013,2 (3), 300 – 302.
 4. Antisecretory properties of *Macaranga peltata* roxb. In various experimental models, **International Journal of Pharmacology Research**, 2 (1), 2012 22-28
 5. HPTLC Method Development and Validation of Riluzole in Bulk and Pharmaceutical Dosage Form, **KMITL Sci. Tech. J.**, 2011, 11(2), 54 – 63.
 6. Validation of UV Spectrophotometric Method for Determination of Riluzole in Pharmaceutical Dosage Form, **Int. J. ChemTech Res.**, 2011, 3(2), 560 – 564.
 7. Method Development and Validation of Olmesartan, Amlodipine and Hydrochlorothiazide in Combined Tablet Dosage Form, **Int. J. Pharm. Res. & Anal.**, 2011, 1(1), 7 – 14.

Publications of Dr.B.Umadevi

1. Development and validation of UV Spectrophotometric Determination of Doxofylline and Ambroxol hydrochloride in bulk and Combined Tablet Formulation, **Int. J. Curr. Pharm. Res.**, 2011, 3(4), 89 – 92.

Publications of Mr.S.Murugan

1. Method development and validation Tinidazole and Ciprofloxacin HCl in bulk and tablet dosage form by RP-HPLC, **International Journal of Novel Trends in Pharmaceutical Sciences.**, 2014, 4(5), 130 – 139.
2. FTIR spectroscopic invitro drug compatibility determination of diclofenac diethylamine with different solvent systems., **Asian Journal of Pharmaceutical Analysis and Medicinal Chemistry**, 2014, 2(1), 9 – 25.
3. A Overview on High Performance Liquid Chromatography, **American Journal of Biological and Pharmaceutical Research.**, 2014, (4), 156-159.
4. Antimicrobial activity of various crude extracts of *calotropis procera* flowers, **Journal of pharmacy and molecular biology.**, 2014, 2(2-5), 1 – 10.
5. Development and Validation of First Order Derivative UV Spectrophotometric Method for the Estimation of Tenofovir Disoproxil Fumarate, Lamivudine and Efavirenz in Bulk and Tablet Dosage Form, **International Journal of Pharmaceutical Research and Analysis**, 2013, 3(1), 29-32.
6. A Review on Bioanalytical Method Development and Validation by using LC-MS/MS, **Journal of Chemical and Pharmaceutical Sciences.**, 2013, 6(1), 41-45.
7. A Review on Method Development and Validation by using HPLC, **International Journal of Novel Trends in Pharmaceutical Sciences.**, 2013, 3(3), 78 – 81.
8. A Review on Bioanalytical Method Development and Validation by using LC-MS/MS, **Journal of Chemical and Pharmaceutical Sciences**, 2013, 6(1), 41-45.

9. Method development and Validation of Tolvaptan in Bulk and Tablet Dosage form by RP-HPLC method, **International Journal of Research in Pharmaceutical and Nano Sciences**, 2013, 2(1), 135-139.
10. Method development and Validation for Dissolution Method of Tolvaptan in Bulk and Tablet dosage form by UV Spectrophotometry, **Indian Journal of Pharmaceutical Science and Research**, 2013, 3(1), 17-19.
11. Simultaneous Estimation of Tenofovir Disoproxil Fumarate, Efavirenz and Lamivudine in Bulk and Tablet Dosage Form by UV Spectrophotometry, **Research Journal of Pharmacy and Technology**, 2013, 6(2), 191-194.
12. RP-HPLC Method for Simultaneous Estimation of Lamivudine, Tenofovir Disoproxil Fumarate and Efavirenz in Tablet Formulation, **Journal of Analytical Chemistry**, 2013, 68(9), 815–821.
 - Monographs : Nil
 - Chapters in Books: Nil
 - Books edited : Nil
 - Books with ISBN with details of publishers : Nil

23. **Details of patents and income generated:** None

24. **Areas of consultancy and income generated**

Income is generated through Module training of various instruments like UV, HPLC and FTIR. Module training is organized to enhance the basic as well as applied knowledge of HPLC instrument for routine analysis and research perspective. FTIR module training is also scheduled to acquire the knowledge of research methodology with FTIR

2011

S.No.	Name of faculty	Organisation	Amount applied/ generated	Broad areas	Status
1	Mrs. J. Logeswari, Department of Chemistry	Adhiparasakthi Engineering College	3000	Carbon Nano Tubes	Completed
2	Mrs.S. Yamuna Department of Pharmaceutical Analysis	C.L.Baid Mehta College of Pharmacy, Chennai	4000	Method Development and Validation	Completed
3.	Mrs.R. Vijayageetha Department of Pharmaceutical Analysis	C.L.Baid Mehta College of Pharmacy, Chennai	4000	Method Development and Validation	Completed
4.	Mr.R.Seetharaman Department of Pharmaceutical Analysis	SRM University, Chennai	2500	HPLC Method Development and Validation of newer drugs	Completed
5.	Mr.I.Sowkar Baig	Research scholar	1000	UV Analysis	Completed

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2012

S.No.	Name of faculty	Organisation	Amount applied/ generated	Broad areas	Status
1	M.Balaji, Dept of Physics	Adhiparasakthi Engineering College	4000	IR Spectrum Analysis	Completed
2	Mrs.T.Sudha	Erode College of Pharmacy	3000	UV Method Development And validation	Completed
3	Mrs.S.Sivakalai	Annamalai University	4000	Textile dye Analysis	Completed

2013

S.No.	Name of faculty	Organisation	Amount applied/ generated	Broad areas	Status
1	Mrs.M.Sumithra	Vel's University	3000	HPLC Method Development and Validation	Completed
2	Mrs.T.Sudha	Erode College of Pharmacy	4000	HPLC method Development and Validation	Completed
3	Dr.I.Sowkar Baig	Sri Venkateswara College of Pharmacy, Chittoor .	2000	IR Spectrum Analysis	Completed

2014

S.No.	Name of faculty	Organisation	Amount applied/ generated	Broad areas	Status
1	Dr.A.Babu Ponnusamy, Dept of Chemical Technology	Adhiparasakthi Engineering College	2000	Spectral Analysis of Chemical Compounds	Completed
2	Mr.K.Sundaram , Dept of Physics	Adhiparasakthi Polytechnic College	2000	Spectral Analysis of Compounds	Completed

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2015

S.No.	Name of faculty	Organisation	Amount applied/ generated	Broad areas	Status
1	Dr.A.Babu Ponnusamy, Dept of Chemical Technology	Adhiparasakthi Engineering College	3000	Elemental Analysis	Completed
2	Dr.S.Sivakalai	Sri Akilandeswari College of Arts and Science Vandavasi	3000	Textile dye Analysis, Nephloturbidimetric Analysis of Textile dye samples	Completed

25. Faculty selected nationally/internationally to visit other laboratories / institutions / industries in India and abroad

Name of the faculty	Institution
Dr.T.Vetrichelvan	1) Tamiluniversity, Thanjavur 2) JSS University, Ootacamund 3) SRM University, Chennai 4) Interdisciplinary school of Indian system of medicine (ISISM) Chennai 5) JSS University, Mysuru
Dr.J.Saminathan	1) JSS University, Ootacamund 2) SRM University, 3) Interdisciplinary school of Indian system of medicine (ISISM) Chennai 4) Apex laborotories (P) ltd, Chennai

26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

a) National committees

S.No	Name of the Faculty	Membership Details
1	Dr.T.Vetrichelvan	Senate Member, Board of Studies Member, Vigilance Squad, Observer and Inspector – The Tamilnadu Dr.M.G.R Medical University, Chennai M.Phil & Ph.D Thesis assessor- Tamil University, Bharathiar University, Pondicherry university, Rajiv gandhi university, Jadavpur University, University of Kerala.

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		Inspector - Pharmacy Council of India Member-IPGA, APTI, IPA etc.
2	Dr.J.Saminathan	Member – Association of Pharmacy Teachers of India <i>Member – World Association of Young Scientists</i> Member - NSS Advisory Committee – The Tamilnadu Dr.M.G.R Medical University, Chennai.

b) **International committees:** Nil

c) **Editorial Boards**

Name of the Faculty	National/International journal
Dr.T.Vetrichelvan	IPA Convention 2010
Dr.T.Vetrichelvan	PHARMFEST
Dr.J.Saminathan	Journal of Basic and Clinical Pharmacy

d) **any other (specify)**

The following faculty members are reviewers for the scientific journals.

Name of the Faculty	Name of the Journal
Dr.T.Vetrichelvan	Elsevier Journals
Dr.T.Vetrichelvan	Indian Journal of Pharmaceutical Sciences Academic Journal of Educational Research
Dr.J.Saminathan	Indian Journal of Pharmaceutical Sciences International Journal of Frontiers in Science and Technology

27. **Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).**

Name of Faculty Member	No. of Refresher / Orientation Programs attended	No. of Conference/Seminar/workshops /training Programmes attended
Dr.T.Vetrichelvan	2	4
Dr.J.Saminathan	1	6
Mr.S.Murugan	1	1
Dr. B.Umadevi	1	3

28. **Student projects B.Pharm. -06, M.Pharm.-30 & Ph.D. - 06**

S.No	Guide Name	Course	Student Name	Title	Year
1	Dr.J.Saminathan	B.Pharm	K.Santhosh kumar	Estimation of Metalazone by UV-Spectrophotometric Method	2011

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2	Dr.J.Saminathan	B.Pharm	Venubabu Muppalla	Estimation of Pantoprazole by UV-Spectrophotometric Method	2011
3	Dr.J.Saminathan	B.Pharm	Tellabati suresh	Estimation of Hydrochlorothiazide by UV-Spectrophotometric Method	2011
4	Dr.J.Saminathan	B.Pharm	M.Vellaichamy	Estimation of Domperidone by UV-Spectrophotometric Method	2011
5	Dr.K.Anandakumar	B.Pharm	1.Santhosh.D 2.Sivaramdev.S 3.Vijayakumar.S 4.Manikandan.A	Development and Validation of UV-Spectroscopic Method for the Estimation Paroxetine Hydrochloride in Bulk and in Tablet Dosage Forms.	2014
6	Dr.K.Anandakumar	B.Pharm	A.Subash	Development and validation of UV-Spectrophotometric Method for the Estimation Paroxetine Hydrochloride in Bulk and in Tablet Dosage Forms.	2015

For M.Pharm

Name of the faculty	Course	Name of the student guided	Title of the research project	Year
Dr.T.Vetrichelvan	M.Pharm	Ranjith kumar.R	Development and Validation of new Analytical Methods for the Estimation of Prasugrel hydrochloride by UV Spectroscopic Methods and RP-HPLC method	2011
		Suresh.J	Validated UV and RP-HPLC Methods for the Estimation of Naproxen and Esomeprazole magnesium	
		Dondati naresh	Development of Analytical Methods for the Simultaneous Estimation of Aceclofenac and Thiocolchicoside in tablet dosage form	
		Garlapati vamsi krishna	Development of Analytical Methods for the Simultaneous Estimation of Lafutidine and Domperidone in tablet dosage form	

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		Kumar.C	Validated UV and RP-HPLC Methods for the Simultaneous Estimation of Amlodipine Besylate and Indapamide in bulk and tablet dosage form	2012
		Seenuvasan.R.E	Development and Validation of new Analytical methods for the Estimation of Lacosamide by UV Spectroscopy, RP-HPLC and HPTLC method	
		Kallepalli S Karthik	Analytical Method Development and Validation of assay method for Erlotinib hydrochloride tablets by using UV Spectrophotometry and RP-HPLC	
		Ramya sai talam	A Validated Simultaneous Estimation of Esomeprazole Magnesium and Levosulpiride in capsule dosage form by UV Spectrophotometry and RP-HPLC method	2013
		Uma maheswary.S	Analytical Method Development for the Estimation of Alprazolam and Melatonin by using UV spectrophotometry and RP-HPLC in bulk and tablet dosage form	2014
		Jayamariappan.M	Development and validation of analytical methods for the simultaneous estimation of Losartan potassium and Metolazone in bulk and in pharmaceutical dosage form by UV-spectroscopy, RP-HPLC and HPTLC	2011
		Ramu Chinthala	Development and validation of newer analytical methods for the estimation of Deferasirox in bulk and in tablet dosage forms by UV-Visible spectrophotometry and RP-HPLC	
		Narendra Buddi	Development and validation of never analytical methods for the estimation of Tapentadol hydrochloride in bulk and in tablet dosage form by UV-Visible	

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Dr.K.Anandakumar	M.Pharm		spectrophotometry and HPTLC	2012
		Sathish kumar.S	Development and validation of analytical methods for the simultaneous estimation of Atorvastatin calcium, Aspirin, Ramipril and Metoprolol tartrate in bulk and in pharmaceutical dosage form by UV spectroscopy and HPTLC	
		Dogiparti manisaikumar	Development and validation of a three component capsule formulation containing Montelukast sodium, Levocetirizine dihydrochloride and Ambroxol hydrochloride by UV-spectrophotometry and HPTLC	
		Nadendra nareshbabu	Development and validation of analytical methods for the estimation of Zileuton in bulk and in pharmaceutical dosage form by UV spectroscopy and RP-HPLC	2013
		Prabananthan .A	Development and validation of analytical methods for the simultaneous estimation of Telmisartan and Chlorthalidone in bulk and in pharmaceutical dosage form	
		Veerasundari.P	Development and validation of analytical methods for the simultaneous estimation of Paracetamol, Ambroxol hydrochloride, Levocetirizine dihydrochloride and Phenylephrine hydrochloride in bulk and in pharmaceutical dosage form by UV spectroscopy and HPTLC	

Dr. D. Nagavalli & G.Abirami:

Name	Year	Project Title
Jayanthi .S	2011	A Validated New Analytical Method Development for The Simultaneous Estimation of Losartan Potassium and Chlorthalidone in Pure And Tablet Dosage Forms By UV Spectroscopy And RP-HPLC

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Kumanan	2011	Simultaneous Estimation of Doxophylline and Terbutaline Sulphate In Bulk and In Tablet Dosage Form By Uv-Spectroscopy And RP-HPLC
Logesh .R	2011	Development And Validation of Analytical Methods for the Estimation of Desvenlafaxine Succinate By UV-Spectrophotometric Methods,RP –HPLC And HPTLC Method
Murugan .S	2011	Development And Validation of RP –HPLC And UV-Spectrophotometric Methods for the Simulatneous Analysis of Three Component Tablet Formulation Containing Lamivudine,
Swarna Kranthi Kumar	2011	Validated UV And RP-HPLC Methods for the Simulataneous Estimation of Gemifloxacin Mesylate and Ambroxol
Venkata S Babu Aluri	2011	Simultaneous Estimation of Olmesartan Medoxomil and Atorvostatin Calcium In Tablet Dosage Form By UV-Spectrophotometry And RP-HPLC
Bhavyasri .M	2012	Validated Analytical Methods for the Simultaneous Estimation of Cefpodoxime Proxetil and Ambroxol Hydrochloride by UV Spectrophotometry and RP-HPLC In Bulk and Tablet Dosage Form
Kishore Pallapolu	2012	Validated Estimation of Silodosin In Pure, Pharmaceuticals and Biological Sample by UV-Spectroscopic and RP-HPLC Method
Velmurugan .R	2012	Development and Validation of Dapoxetine In Pure and Solid Dosage Form by UV-Visible Spectrophotometric Methods And HPTLC Method
Vijayashanthi .S	2012	A Validated Simultaneous Estimation of Metoprolol Succinate and Telmisartan In Pure, Pharmaceuticals and In Biological Sample by UV Spectrophotometry, RP-HPLC and HPTLC Method
Kuncha Teja	2012	Validated Estimation of Temozolamide In Pure, Pharmaceuticals and in Biological Sample by UV-Spectroscopic, RP-HPLC and HPTLC Method
Malapati Madanmohan	2012	Development and Validation of RP-HPLC method for the Estimation of Febuxostat Related Substances In Bulk and
Ponguzhali.P	2013	UV Spectrophotometric and RP-HPLC Method Development and Validation of Paracetamol, Ambroxol Hydrochloride, Levocetirizine Dihydrochloride, Pseudoephedrine Hydrochloride In Bulk and In Formulation

Ph.D.

Name of the faculty	Course	Name of the student guided	Title of the research project	Year
		Mr. I. Sowkar Baig	Formulation Development and Validation of Analytical Technique for Novel Drug	2012
		Mr. A. Umar Faruk Sha	Formulation, Evaluation and Analysis of Novel Drug.	2013

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Dr.T.Vetrichelvan	Ph.D	Mrs. B. Umadevi	Methods Development and Validation of Newer Analytical methods as per ICH Guidelines.	2013
		Mr. J. Saminathan	Method Development and validation of Newer Analytical methods of Drugs.	2013
		Mrs. G. Abirami	Development and validation of Newer Analytical Techniques	2013
		Mrs. S. Shoba	Comparative Phytochemical and Pharmacological evaluation of Pterospermum Canescens and Pterospermum Canescens and Pterospermum Heyneanum.	-

- Percentage of students who have taken up in-house projects including inter-departmental projects –80% (Research Work).
- Percentage of students doing projects in collaboration with other universities / industry / institute - 20% (Research Work).

29. Awards / recognitions received at the national and international level by

S.No	Name	Designation	Awards / recognitions received
1.	Dr.T.Vetrichelvan	Principal	Best Teacher Award - 2011 from The Tamilnadu Dr.M.G.R Medical University
2.	Dr.J.Saminathan	Associate Professor	Doctoral degree awarded from The Tamilnadu Dr.M.G.R Medical University
3.	Dr. B. Umadevi	Associate Professor	Doctoral degree awarded from The Tamilnadu Dr.M.G.R Medical University

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

Name of the funding agency	Title	Participants
AICTE- Staff Development Program	Tools for the Design and Validation of Analytical Methods	1. Prof. Dr. M. Vimaladevi. 2. Mr. V.M. Mounnisamy. 3. Dr. S. P. Dhanapaul.

31. Code of ethics for research followed by the departments

- Maintenance of professional competence.
- Commitment to the development and enhancement of the profession.
- Action towards honesty and integrity unprofessional relationships.
- Acknowledgement of the professional roles and responsibilities to the wider community.

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- Works collaboratively with other health professionals to optimise the health outcomes.
- Research projects are approved by both institutional & University reviewers.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		No. of Students passed out	
		Male	Female	Male	Female
UG (2012-13)	78	24	30	21	23
2013-14	90	24	34	13	06
2014-15	96	31	31	12	25
2015-16	94	30	30	15	08
PG (2012-2013)	01	01	02	12	
2013-2014	Nil	-	-	05	
2014-2015	01	01	-	04	
2015-2016	0	0	0	02	

33. Diversity of students

Name of the Program (refer to question no. 4)	Academic Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
PG(M.Pharm.- Pharmaceutical analysis)	2011-2012	100	-	-	-
	2012-2013	67	-	33	-
	2013-2014	-	-	-	-
	2014-2015	-	-	100	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

S.No.	Name of Competitive Examination	No. of Students Passed				
		2015-2016	2014-2015	2013-2014	2012-2013	2011-2012
1	GPAT	3	-	5	2	-

35. Student progression

Student progression	Percentage against enrolled			
	2015-2016	2014-2015	2013-2014	2012-2013
UG to PG	-	-	-	05

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PG to Ph.D.	-	-	2	10
Employed				
• Campus selection	68	59	81	75
• Other than campus recruitment	60	38	18	20

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	80%
from other universities within the State	-
from universities from other States	20%
from universities outside the country	0

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

S.No.	Name of faculty	Year of Ph.D award
1	Dr.J.Saminathan	2015
2	Dr.B.Umadevi	2015

38. Present details of departmental infrastructural facilities with regard to

a) Library:

- Total No. of Titles: 412
- Total No. of Volumes: 1541
- Journal: National - 4 International – 2
- e-Journals: 8 (Delnet, Inventi Impact, TNMGR University - E-Consortium)

b) Internet facilities for staff and students:

The staff members are provided with personal computer having internet facility (speed: 10 mbps). Students have access to internet through Wi-Fi facility and in computer laboratory of the institute.

c) Total number of class rooms: 07

d) Class rooms with ICT facility and 'smart' class rooms: 02

e) Students' laboratories: 02

f) Research laboratories: 02

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

List of Doctoral Students from host institution

S.No	Name of Student	University	Year of Registration
1	Dr.J.Saminathan	The Tamilnadu Dr.M.G.R Medical University	2008

b) from other institutions/universities

S.No	Name of Student	University	Year of Registration
1	Dr.T.Sudha	Vels university	2010

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40. Number of post graduate students getting financial assistance from the university:
Nil.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The institute reviews the admission status of all the programmes annually. Based on the number of students admitted against sanctioned intake, final decision taken by the Principal and Management.

42. Does the department obtain feedback from

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback of the faculty on the curriculum and the teaching learning process is obtained by the institute during regular departmental meetings. The issues related to teaching learning of departmental subjects are discussed and solved in the departmental meetings.

b. students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback of the students about the faculty is taken from the institutional feedback form and the feedback is collected manually from the students once in a year and analyzed.

c. alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback of the alumni and the employer is taken at the institutional level annually. The feedback is reviewed by the Principal and reported to management for effective goal.

43. List the distinguished alumni of the department (maximum 10)

S.No.	Name	Qualification	Present position
1.	Mr.S.Sathish kumar	M.Pharm.	Dr.Reddy's Laboratories Ltd., Hyderabad.
2.	Mr.Vinoth	M.Pharm.	HLL Life care limited, Chengalpet
3.	Mr.A.Prabantham	M.Pharm	Mylan laboratories, Hyderabad
4.	Mr.Veera sundari	M.Pharm	Microlabs, Chennai
5.	Mr. Jetty sunil	M.Pharm	Microlabs, Chennai

44. Give details of student enrichment programs (special lectures/workshops/seminar) involving external experts.

S.No.	Date	Topic	Speaker	From
1.	04.1.2011	Pharmaceutical Patenting in India	Dr.S.P.Subramaniam	Assistant Controller of Patent and Design
2.	04.1.2011	Pharmaceutical Product Development	Dr.P.Ramkumar	Orchid Chemicals & Pharmaceuticals Ltd

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3.	24.5.2011	Ion Exchange chromatography	Dr.T.Sivakumar,	Annamalai University
4.	03.06.2011	Mass spectroscopy	Dr.K. Valliyappan	Annamalai University
5.	16.09.2011	FTIR Explanation & Operational Procedures	Mr. R. Vijayakumar	C.L.Baid Mehta College of Pharmacy, Chennai
6.	22.8.2012	Atomic Absorption Spectroscopy	Mrs.R.Revathi	Erode College of Pharmacy
7.	04.09.2012	Flame emission spectroscopy	Mr.R.Sundaraganapathy	Swamy Vivekananda College of Pharmacy
8.	11.9.2012	NMR spectroscopy and its application	Mr.S.Ramachandran	Mohammed Sathak A.J College of Pharmacy, chennai
9.	25.04.2013	Mass Spectrometry	Mr.V.M.Mounnissomy	Mother Terasa Post Graduate Research Institute of Health Sciences, Puducherry
10.	24.10.2013	Electrophoresis	Dr.K.Chitra	Sri Ramachandra university, Chennai
11.	26.10.2013	Polarography	Dr.P.Valentina	SRM University.
12.	14.09.2014	Validation of Analytical Methods as per ICH guidelines	Dr.R.Suresh	Annamalai University, Chidambaram
13.	15.09.14	Validation of Analytical methods	Mrs.M.Kaveri	Aadhibagavan College of Pharmacy
14.	03.01.15	Recent trends in Validation of Analytical Instruments	Mr.M. Sugumaran,	Drugs Inspector
15.	18.5.2015	Iso 9001	Dr.Suresh	Annamalai University
16.	17.7.2015	Patent filing procedure	Dr.S.P.Subramaniam	Assistant Controller of Patent and Design, Chennai

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

1. The college nurtures critical thinking among the students.
2. Group discussion, presentation of papers, project work, and participation in various activities in and off campus.
3. The announcement of year planner, internal examination schedule, guest lecturers & seminars is done at the beginning of each semester. The ICT enabled learning has been introduced in all the departments.
4. Hi-Tech facilities such as LCD Projector, OHP, Computer and Internet are used to facilitate Teaching –Learning Process.
5. The development of the curriculum is done by instate as per norms of the Tamilnadu Dr.M.G.R Medical University and the institution deploys its action plan for implementation.
6. The college offers Enrichment Courses to supplement the regular academic programs.
7. To integrate the academic programmes and the institution goals. The college has organized various seminars, intercollegiate programmes, guest lectures, industrial visits, workshops in consultation with the stake holders and receives feedback regularly with reference to curricular aspects.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The instrumental methods of analysis are discussed in lectures through teaching as well as presentations with

1. Scientific seminars are conducted on either research articles or papers.
2. Seminars on different topics are given to students which they have to present.
3. Guest lectures and seminars by experts from industries are being conducted.
4. Regular examinations, viva & quiz.

47. Highlight the participation of students and faculty in extension activities.

1. Academic excellence is possible only when research culture is promoted and proliferates into the faculty and students.
2. The college promotes updated research for quality education and academic excellence.
3. The Faculty and students are motivated to present papers in National/International level seminars, conference and workshops.
4. The staffs contribute consultancy services to the various Pharma companies.
5. Regular activities and training are given by NSS unit.
6. Physical Education, Red Ribbon Club inculcates social and civic values in students.
7. The students and staff actively participate in the extension activities organized by NSS, and RRC to motivate the moral ethics to uplift the downtrodden people in the society.
8. The Teachers are involved in consultancy services and try to generate revenue.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Building Research Aptitude amongst the students
- In-house training /workshops
- Industrial visit
- In-house projects
- Learning with Multi-media

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: Nil.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Method development and validation of newer drugs in the newer areas of chemometrics assisted Spectrophotometry , QbD Method development
- Become skilled in application of instrumental methods in the routine quality control; in Characterizing, Identifying and Quantifying the Drugs either as APIs or in various formulation dosage forms.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Dedication of qualified & experienced faculty members
- Separate labs are available for project students.
- Safe atmosphere and working in labs.
- Internet facilities available for staff & students for better literature survey & concept development.
- Equipped with sophisticated instruments like HPLC, FTIR, Fluorimeter, animal studies, etc.
- Grants received from local bodies for conducting advanced research.
- Collaborations with industries for development of both conventional & novel formulations
- Fund raising and planning for a new science research and education
- Bring together diverse groups within the college to develop new interdisciplinary and multi disciplinary initiatives

Weakness

- Unavailability of spectral instruments like HPTLC, LC-MS.
- Collaboration with premier research institutes and industries as resource for funding research activities needs a boost.
- Need more publications on good works in reputed journals & more patents
- Grants from major research programs yet to be received.

Opportunities

- Conducting Campus interviews for placement.
- Conducting Industry institute interactions and MOU's for getting placement, projects and Industry visit for the students every year.
- Located in the industrial hub, more chances of interactions with the industries.
- Short term training program at campus.
- Seminar on recent topics.

- Funds generated for organizing national & inter-national seminars/workshops, etc.

Challenges

- 100% placement for the pass-outs
- To evolve as one of the best & recognized institute
- To get more industry-institute partnership opportunities
- International students exchange program for handling of instruments for current analytical studies approach.

52. Future plans of the department.

- Modernization of departmental laboratory facilities with the financial assistance from AICTE, UGC, CSIR.
- To produce quality research projects taking up innovative problems relevant to the society
- To encourage the faculties to pursue Ph.D. and research without Tuition Fee.
- To depute the faculty for industrial training.

Evaluative Report – Department of Pharmaceutics

1. **Name of the Department** : Pharmaceutics

2. **Year of establishment** :

B.Pharm:1993

M.Pharm:2008

3. **Is the Department part of a college/Faculty of the university?**

The department is a part of an Institute. All the programmes i.e., UG/PG are affiliated to The Tamilnadu Dr.M.G.R. Medical University, Chennai.

4. **Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

Name of the Programs offered	Year of Establishment
UG: B.Pharm.	1993
PG: M.Pharm - Pharmaceutics	2008

5. **Interdisciplinary programs and departments involved:**

The UG/PG students are undertaking research projects as a part of curriculum. Students are provided an opportunity to work on research projects with multidisciplinary/interdisciplinary approach. Some of the research projects involving interdisciplinary approach are mentioned below:

Research Areas	Departments Involved
Formulation and Evaluation of different types of Novel Drug Delivery System.	Pharmaceutical Analysis and Pharmacology
Evaluation of Natural polymers and excipients	Pharmaceutical Chemistry and Pharmacognosy

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

Collaboration with Industries for B.Pharm. & M.Pharm facilitating collaborative Research & Development in the areas of new drug discovery, formulation development, clinical studies and industry-academia interaction for teaching and research by the following industries.

- ❖ MedoPharm, Chennai.
- ❖ Sankar Labs, Chennai.
- ❖ Appasamy Ocular Device (Pharma Division), Puducherry.
- ❖ Cassel Research Laboratories, Chennai.
- ❖ Microtherapeutic Research Labs, Chennai.
- ❖ Aravind Remedies Ltd, Thiruvallur.
- ❖ Cassel Research Lab, Chennai.
- ❖ Twenty First Century Pharmaceuticals Pvt.Ltd, Chennai
- ❖ Ocean Health Care Pvt. Ltd, Thiruporur, Kancheepuram Dist.
- ❖ Axon Drugs Pvt. Ltd, Chennai.

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- ❖ Sunglow Pharmaceuticals Pvt. Ltd, Puducherry.
- ❖ GuruFcure, Puducherry.

7. Details of programs discontinued, if any, with reasons:

Nil.

8. Examination System: Annual/Semester/Trimester/Choice Based Credit System:

The examination system for both B.Pharm. and M.Pharm. is Annual pattern.

9. Participation of the department in the courses offered by other departments

The faculty of the department is actively contributing in the research projects carried out by students of other departments. The major areas of contribution are as follows:-

- ❖ Formulation & development of herbal dosage forms for the students from Pharmacognosy & Pharmacology department.
- ❖ Formulations of dispersions & semisolid dosage forms for the students from Pharmacology department.

Name of the Course	Contributing Departments	Purpose
M.Pharm.	Pharmaceutical Analysis	Drug- Polymers Interaction
M.Pharm.	Pharmaceutical Chemistry	Pre-formulation Studies
B.Pharm.	Pharmacology	CPCSEA Approval for Animal Studies

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Sanctioned	Filled
Professor	01	01
Associate Professor/Reader	02	02
Assistant Professor	03	03

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PG Students Guided
Dr.S.Shanmugam	M.Pharm., Ph.D.	Professor & Head	Pharmaceutics	16	15
Mr.K.Sundaramoorthy	M.Pharm.,(Ph.D.)	Associate Professor	Pharmaceutics	19	12
Mr.T. Ayyappan	M.Pharm.,(Ph.D.)	Associate Professor	Pharmaceutics	11	13
Dr.A.Umarfaruksha	M.Pharm., Ph.D.	Assistant Professor	Pharmaceutics	09	02
Mrs.D. Akiladevi	M.Pharm.,(Ph.D.)	Assistant Professor	Pharmaceutics	07	Nil
Mr.J. Senthil	M.Pharm.	Assistant Professor	Pharmaceutics	01	Nil

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors.

- ❖ Prof. K. Elango, Head, Dept. of Pharmaceutics, Madras Medical College, Chennai.
- ❖ Dr. N. Kannappan, Associate Professor, Dept. of Pharmacy, Annamalai University.
- ❖ Dr. K. Ilango, Dean-ISISM, SRM University, Chennai.
- ❖ Dr. D. Damodaran, Professor & Head, Department of Pharmaceutics, SRM University.
- ❖ Dr.S. Satheesh Kumar, Professor & Head, Department of Pharmaceutics, Vel's University.
- ❖ Dr. S. Kavimani, Professor and Head, Dept. of Pharmacology, MTPGRIHS, Puducherry.
- ❖ Dr. M. Mothilal, Deputy Controller of Examinations, SRM University.
- ❖ Dr. M. D. Dhanaraju, GIET School of Pharmacy, Rajahmundry, Andhra Pradesh.
- ❖ Dr. N.Jawahar, Assistant Professor, Department of Pharmaceutics, JSS University.

13. Percentage of classes taken by temporary faculty – program-wise information
Nil.

14. Program-wise Student Teacher Ratio

Program	Student Teacher Ratio
B.Pharm.	15:1
M.Pharm.	12:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Supporting Staff	Sanctioned	Filled	Actual
Academic support staff (Technical Staff)	Not Applicable	02	02
Administrative staff		02	02

16. Research thrust areas as recognized by major funding agencies

- ❖ The major research thrust areas as recognized by major funding agency like University Research Grant, The Tamilnadu Dr.M.G.R. Medical University under Pharmacy.
- ❖ Research Thrust Area entitled “Preparation and characterization of novel polymeric nanoparticles containing etoposide for cancer chemotherapy”.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise.

S.No.	Project Title	Project Duration	Amount Received	Funding Agency	Name of faculty
1.	Preparation and characterization of novel polymeric nanoparticles containing etoposide for cancer chemotherapy.	2 Years	Rs.50,000/- (First Installment received Rs.25,000/-)	University Research Grant by The Tamilnadu Dr.M.G.R. Medical University	Mr. T. Ayyappan Principal Investigator. Dr.S.Shanmugam Co Investigator.

18. Inter-institutional collaborative projects and associated grants received

a) National collaboration b) International collaboration :

Nil.

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received:

01 (University Research Grant by The Tamilnadu Dr.M.G.R. Medical University under Pharmacy).

20. Research facility / centre with:

The institute has an approved research center, by The Tamilnadu Dr.M.G.R. Medical University for pursuing postgraduate (M. Pharm.) program in Pharmaceutics.

21. Special research laboratories sponsored by / created by industry or corporate bodies

Nil

22. Publications:

S.No.	Name of Faculty	Numbers of Publications	
		National	International
01	Dr.S.Shanmugam	05	08
02	Mr.K.Sundaramoorthy	NIL	NIL
03	Mr.T. Ayyappan	03	06
04	Dr.A.Umar faruksha	NIL	02
05	Mrs.D. Akiladevi	NIL	NIL
06	Mr.J. Senthil	NIL	NIL

- ❖ Number of papers published in peer reviewed journals (national / international)-24
- ❖ Monographs Nil
- ❖ Chapters in Books Nil
- ❖ Books edited :Nil
- ❖ Books with ISBN with details of publishers: Nil
- ❖ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.) -24
- ❖ Citation Index – range / average - 132
- ❖ SNIP -3
- ❖ SJR -9
- ❖ Impact Factor – range / average 0.7
- ❖ h-index-
 - h- index of Dr.S.Shanmugam-07
 - h- index of Mr.T.Ayyappan -07
 - Cumulative h-index of department-14

Publications of Dr. S. Shanmugam

1. S.Shanmugam *et al.* Formulation and evaluation of sustained release matrix tablets of losartan potassium, International Journal of Pharm Tech Research, 2011, 3(1), 526-534.
2. S.Shanmugam *et al.* Design and development of ambroxol hydrochloride sustained release matrix tablets, International Journal of Pharmacy and Pharmaceutical Sciences, 3(3),2011, 200-203.
3. S.Shanmugam *et al.* Formulation and evaluation of lamivudine sustained release matrix tablets using synthetic polymer, Journal of pharmacy research, 5(2), 2012, 1063-1066. (Impact factor 1.09)
4. S.Shanmugam *et al.* Formulation and evaluation of loratadine mouth dissolving tablets, Bangladesh Journal of Scientific and Industrial Research, 48(2), 2013, 137-142.
5. S.Shanmugam *et al.*, To study to evaluate the requirements required to propose an alternate API source from an approved drug product in USFDA, International Journal of Chemical and Pharmaceutical Sciences, Vol.4(1),2013, 28-35.
6. S.Shanmugam *et al.* Formulation and in-vitro evaluation of sustained release matrix tablets of gliclazide, Journal of pharmacy research, 1(4), 2013, 350-354. (Impact factor 1.09)
7. S.Shanmugam *et al.* Formulation and evaluation of sustained release matrix tablets of venlafaxine hydrochloride, Journal of pharmacy research, 1(5), 2013, 506-510. (Impact factor 1.09)
8. S.Shanmugam *et al.* Formulation and invitro evaluation of floating microspheres of acyclovir, Journal of pharmacy research, 1(8), 2013, 771-774. (Impact factor 1.09)
9. S.Shanmugam *et al.* Design and evaluation of noval ophthalmic delivery system of acyclovir for herpes simplex infection, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2(1),2011,802-814. (Impact factor 0.23)
10. S.Shanmugam *et al.* Formulation and evaluation of sustained release matrix tablets of zidovudine using different polymers, Research Journal of Pharmaceutical, Biological and Chemical Sciences, 2(1),2011,576-589. (Impact factor 0.23)
11. S.Shanmugam *et al.* Formulation and invitro evaluation of sustained release matrix tablets of ibuprofen, Research Journal of pharmaceutical, Biological and Chemical Sciences, 4(2), 2013,1656-1660. (Impact factor 0.23)
12. S. Shanmugam *et.al.* Spectrometric Method for the Estimation of Levosulpiride in Bulk drug and Formulations., A Journal of Drug Design & Discovery., 2015, 2(1), 19-23.
13. S. Shanmugam *et.al.* Spectrometric Method for the Estimation of Aciclovir in Bulk drug, A Journal of Drug Design & Discovery., 2015, 2(3), 1-4.

Publications of Mr. T. Ayyappan

1. T. Ayyappan *et.al.*, Preparation and Physiochemical Characterization of Solid Dispersion of Aceclofenac Formulated by Solvent Evaporation Method; Biosci, Biotech. Res. Asia, 2011, 8(1), 21 - 224.
2. T. Ayyappan *et.al.*, Acyclovir Loaded Self Asembled pH Sensitive Nanoparticle as Novel Drug Carrier for Targetting of Viral Infection, J. Pharm. Res., 2012, 5(4),2146 - 2150.

3. T. Ayyappan *et.al.*, Comparative Evaluation of Inclusion Complex of Aceclofenac Prepared by Different Techniques, J. Pharm. Res., 2012,5(4),2197 - 2200.
4. T. Ayyappan *et.al.*, Formulation and in - vitro Evaluation of Mebeverine Hydrochloride Colon Targeted Micro pellets for the Treatment of Irritable Bowel Syndrome, International Journal of Chemical and Pharmaceutical Sciences, 2013,4 (1),47 - 54.
5. T. Ayyappan *et.al.*, Formulation and in - vitro Evaluation of Metoprolol Tartarate Microspheres using natural, Semi - Synthetic and Synthetic Polymer as Controlled Release Dosage Form, Journal of Pharmaceutical Research, 2013, 1 (4),377 - 381.
6. T. Ayyappan *et.al.*, Formulation Development and in - vitro Evaluation of Intragastric Floating Drug Delivery System of Ofloxacin, Int. J. Pharmtech Res., 2013, 5 (2), 451 - 458.
7. T. Ayyappan and D. Bharathiraja *et.al.* Formulation development and in-vitro/ex-vivo evaluation of novel buccoadhesive films of metoprolol tartrate using 23 factorial design techniques, Bangladesh J. Sci. Ind. Res., 2014, 49(3), 165-172.
8. T. Ayyappan and C. Poojitha *et.al.* Formulation design, optimization & in vitro evaluation of novel orodissolving tablets of efavirenz for HIV infections, Bangladesh J. Sci. Ind. Res., 2014, 49(3), 173-180.
9. T. Ayyappan and G.Baktha pragalathan *et.al.*, Formulation and invitro evaluation of pH sensitive Mebevarine HCl nanoparticles for colon targeting J. Pharm.inn.Res., 2015,2(2), 11-19.

Publications of Dr. A. Umar Faruksha

1. A. Umar faruksha *et al.*, Formulation, Characterization And Optimization Of Pioglitazone Hydrochloride Nanoparticles By Solvent Displacement Method Using 3² Factorial Design., International Journal of PharmTech Research, 2013, 5(2), 754-766.
2. A. Umar faruksha *et al.*, Formulation Development and Evaluation of Polymeric Nanoparticles Containing Pioglitazone Hydrochloride, IJAPR, 2013, 1891 - 1901.

23. **Details of patents and income generated** : Nil

24. **Areas of consultancy and income generated** : Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad** :Nil

26. **Faculty serving in**

National committees

S.No.	Name of Faculty	Details of Membership
01	Dr.S.Shanmugam	1. Association of Pharmaceutical Teachers of India (L.M.No.TN/LM 229). 2. Indian Pharmacy Graduates Association (L.M.No.289). 3. Indian Hospital Pharmacists Association (50413). 4. The Indian Pharmacist Association (L.M. No.3800) 5. Board of Studies, The Tamilnadu Dr.M.G.R. Medical University

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02	Mr.K.Sundaramoorthy	1. Association of Pharmaceutical Teachers of India.
03	Mr.T. Ayyappan	1. Association of Pharmaceutical Teachers of India. 2. KPSF Life member. 3. American Chemical Society.

International committees - Nil
Editorial Boards – 02

Name of faculty	Name of the Journal
Dr.S.Shanmugam	STM Journal- Drug Discovery
Mr.T.Ayyappan	American Association of Pharmaceutical Sciences, PharmSciTech

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

S.No	Name of The Faculty	Title of The Programme	Place of the Event with Date and year
1.	Dr.S.Shanmugam	<ul style="list-style-type: none"> ✓ International Congress of Pharmacy Graduates ✓ 64 th IPC (Co- Chairman- Web Info) ✓ IPA, State Level Conference ✓ DBT Sponsored National Conference ✓ ICMR Sponsored National Seminar as organizing secretary ✓ CPE Programme co –sponsored by The Tamilnadu Dr.M.G.R. Medical University 	Chennai, 6,7/10/2012 Chennai, 7 - 9/12/2012 Erode 23/03/2014 Mathuranthagam, 11, 12/09/2014. Melmaruvathur, 18/10/2014. Melmaruvathur 30/01/2016
2.	Mr.T.Ayyappan	<ul style="list-style-type: none"> ✓ Continuing Education Program – Refresher Course ✓ International Congress of Pharmacy Graduates ✓ 64 th IPC ✓ NACOHERB-14 ✓ IPA, State Level Conference ✓ BT Sponsored National Conference 	B.Komarapalayam 16/09/2012 Chennai, 6,7/10/2012 Chennai, 7 - 9/12/2012 Thanjavur, 14, 15/03/2014. Erode 23/03/2014 Mathuranthagam, 11, 12/09/2014.

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		<ul style="list-style-type: none"> ✓ ICMR Sponsored National Seminar ✓ CPE Programme co –sponsored by The Tamilnadu Dr.M.G.R. Medical University as organizing secretary 	<p>Melmaruvathur, 18/10/2014.</p> <p>Melmaruvathur 30/01/2016</p>
3.	Dr. A.Umarfaruksha	Continuing education programme- Refresher course on Current development in new formulation and rules and regulations.	Melmaruvathur 06/01/2013

28. Student projects

Name of the faculty	Course	Name of the students guided	Title of the research project	Year
B.PHARM.				
Mr. A. Umar Faruksha	B.Pharm.	1.Bojedla Chaitanya, 2. Katuri Srikanth Goud 3.S.Parthiban 4.Krishna Mohan Dulapalli 5.Puchakayala Anantha Reddy	Nuclear Pharmacy- A Review	2011
Mr.A.Umar Faruksha	B.Pharm.	1.Prasad Katiki 2.Paluru Madhusudhan Reddy	A Review of industrial equipments for manufacturing of tablets	2012
Mr.A.Umar Faruksha	B.Pharm.	1.G.Bhaktha Pragalathan 2.M.Pandhalarajan	Review on gastroretentive drug delivery system	2012
Prof.K.Sundaramoorthy	B.Pharm.	1.J.ArunPrasanth 2.D.Janarthanan	Evaluation of paracetamol tablets from different marketed products	2013
Dr.S.Shanmugam	B.Pharm.	1.M.Gopi 2.K.Jaisankar 3.S.Vetrivel 4.VydanaBalaSiva KrishnaMohan	Comparative evaluation studies of marketed available esomeprazole tablets.	2014
Prof.K.Sundaramoorthy	B.Pharm.	1.B.Anbumani 2.M.Balasundaresan 3.R.Madhan 4.D.Sudhan	Marketed survey of some selected cardiovascular drugs	2014

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Mr.T.Ayyappan	B.Pharm.	1.M.Karthikeyan 2.P.Sivaranjani	Formulation and <i>invitro</i> evaluation of aceclofenac	2014
Mr.T.Ayyappan	B.Pharm.	1.P.Killivalavan 2.V.Logesh 3.Krishna Siva Sunil Bojja	Comparative <i>invitro</i> evaluation of marketed enteric coated pantaprozole sodium sesquihydrate products	2014
Dr.A.Umar Faruksha	B.Pharm.	1.S.P.Vignesh 2.S.Magesh	A Review on fast dissolving tablets	2015
Mr.T.Ayyappan	B.Pharm.	1.S.Thangairulappan 2.J.Prabhakaran 3.R.Saranraj 4.G.Rajkumar	Survey on different natural polymers used in pharmaceutical formulations	2015
Prof.K.Sundaramoorthy	B.Pharm.	1.A.M.Abdul Raasid 2.P.Anandaraj 3.A.Arunraj 4.E.Ayyamperumal 5.G.Chandramoulee	Evaluation of metformin hydrochloride tablets from different marketed products	2015
Dr.S.Shanmugam	B.Pharm.	1.E.Gurusamy 2.R.Hariharan	Study of price variation of antihypertension drugs	2015
M.PHARM.				
Mr.T.Ayyappan	M.Pharm.	J.Ananda Babu	Novel site specific delivery system containing ofloxacin for the treatment of periodontal infections.	2011
Mr.T.Ayyappan	M.Pharm.	Baji rao thota	Non erodible polymer matrix tablets of isoniazid using sintering technique: design and invitro evaluation	2011
Prof.K.Sundaramoorthy	M.Pharm.	Sandhya raj. S	Preparation and characterisation of valsartan loaded alginate mucoadhesive microcapsule	2011
Prof.K.Sundaramoorthy	M.Pharm.	Syam potnuru	Formulation of biodegradable polymeric stavudine nanoparticles for oral drug delivery: chracterization and <i>in-vitro</i> release	2011
Prof.K.Sundaramoorthy	M.Pharm.	Kumar darapu B.N	Formulation and <i>invitro</i> evaluation of gastro retentive floating microspheres of ranitidine hydrochloride	2011

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Dr.S.Shanmugam	M.Pharm.	Ramvignesh .T.R	Design and evaluation of novel ophthalmic delivery system of aciclovir for herpes simplex infection	2011
Dr.S.Shanmugam	M.Pharm.	Sandhiya .K.M	Design and <i>invitro</i> studies of ambroxol hydrochloride sustained release matrix tablets	2011
Dr.S.Shanmugam	M.Pharm.	Banthalarajan .S	Formulation and evaluation of sustained release matrix tablets of zidovudine using different polymers	2011
Mr.T.Ayyappan	M.Pharm.	Sathish kumar .P	Comparative evaluation of inclusion complex of aceclofenac prepared by different techniques	2012
Mr.T.Ayyappan	M.Pharm.	Gayathri .S	Novel niosomal drug delivery system of etoposide for targeting different types of cancer	2012
Mr.T.Ayyappan	M.Pharm.	Logesh .R	Acyclovir loaded self-assembled ph sensitive nanoparticle as a novel drug carrier for tarteting viral infection	2012
Mr.T.Ayyappan	M.Pharm.	Ravali vedulla	Formulation development and in vitro evaluation of intra gastric floating drug delivery system of ofloxacin	2012
Mr.T.Ayyappan	M.Pharm.	Sowjanya M	Formulation and in-vitro evaluation of mebeverine hydrochloride colon targeted micropellets for the treatment of irritable bowel syndrom	2012
Prof.K.Sundaramoorthy	M.Pharm.	Sabarinathan .R	Formulation and evaluation of sustained release microspheres of venlafaxine hydrochloride	2012
Prof.K.Sundaramoorthy	M.Pharm.	Jamunavathy.R.A.S	Fabrication and characterization of taste masked porous tablets of losartan potassium by sublimation technique	2012

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Prof.K.Sundaramoorthy	M.Pharm.	M. Udhayakumar	Formulation and characterization of gelatin loaded Rosuvastatin nanoparticles by two step desolvation method	2012
Prof.K.Sundaramoorthy	M.Pharm.	Naguboina Anusha	Formulation and in-vitro evaluation of tenofovir disoproxil fumarate immediate release tablets	2012
Prof.K.Sundaramoorthy	M.Pharm.	Palusuru Sushma	Formulation and in-vitro evaluation of Atorvastatin calcium immediate release pellets	2012
Dr.S.Shanmugam	M.Pharm.	Aliya Moin M	To study and to evaluate the requirements required to propose an alternate API for an approved drug product product in USFDA	2012
Dr.S.Shanmugam	M.Pharm.	Chan Sulthana S M	Formulation and evaluation of sorafenib tosylate immediate release tablets	2012
Dr.S.Shanmugam	M.Pharm.	Sampath .A	Formulation and evaluation of quetiapine fumarate loaded carbopol 974p mucoadhesive microspheres for the treatment of schizophrenia	2012
Dr.S.Shanmugam	M.Pharm.	Maniyarasi .M	Formulation and evaluation of sustained release matrix tablets of aceclofenac using different polymers	2012
Dr.S.Shanmugam	M.Pharm.	Senthil .J	Formulation and evaluation of mouth dissolving Loratadine tablet – as novel approach	2012
Dr.S.Shanmugam	M.Pharm.	Kamaraj .K	Formulation and evaluation of lamivudine sustained release matrix tablets using synthetic polymers	2012
Mr.A.Umar Faruksha	M.Pharm.	Raghavendra arya N	Formulation and in-vitro evaluation of bilayer tablets of sumatriptan succinate	2012
Mr.A.Umar Faruksha	M.Pharm.	Nusum srinivasa reddy	Process development and optimization of zolpidem tartrate tablets by moisture	2012

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			activated dry granulation technique	
Dr.S.Shanmugam	M.Pharm.	P.Niranjana	Formulation and <i>in vitro</i> evaluation of sustained release matrix tablets of ibuprofen	2013
Dr.S.Shanmugam	M.Pharm.	Srikanth reddy jeddipelly	Formulation and <i>in-vitro</i> evaluation of 5-fluorouracil microcapsules by using different methods of microencapsulation	2013
Dr.S.Shanmugam	M.Pharm.	Bingi Raghuram	Formulation and in-vitro evaluation of sustained release matrix tablets of gliclazide	2013
Dr.S.Shanmugam	M.Pharm.	M.Archana	Formulation and evaluation of sustained release matrix tablets of venlafaxine hydrochloride	2013
Prof.K.Sundaramoorthy	M.Pharm.	L.Lakshmikanth	Studies on formulation and characterization of acyclovir sustained release matrix tablets by using natural polymers	2013
Prof.K.Sundaramoorthy	M.Pharm.	S.Nandha kumaran	Design and characterization of mucoadhesive buccal patches of tramadol hydrochloride	2013
Prof.K.Sundaramoorthy	M.Pharm.	S.R.V. Vivekananda rao	Formulation and in-vitro evaluation of metronidazole mucoadhesive microspheres	2013
Prof.K.Sundaramoorthy	M.Pharm.	M.Sujitha.	Formulation, in-vitro and ex-vivo evaluation of non-effervescent floating microparticulates of celecoxib	2013
Mr.T.Ayyappan	M.Pharm.	P.Parameswari	studies on temperature induced mucoadhesive in situ gel formulation of rizatriptan benzoate for nasal administration	2013
Mr.T.Ayyappan	M.Pharm.	B.Sakthivel	Formulation and invitro evaluation of novel sustained release matrix tablets of aceclofenac using	2013

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			hibiscus rosa-sinensis leaves mucilage	
Mr.T.Ayyappan	M.Pharm.	D.Bharathiraja.	Formulation development and in-vitro/ex-vivo evaluation of novel buccoadhesive films of metoprolol tartrate using 2 ³ factorial design techniques	2013
Mr.T.Ayyappan	M.Pharm.	Chukkapalli Samatha	Formulation and in-vitro evaluation of metoprolol tartrate microspheres using natural, semi synthetic and synthetic polymer as controlled release dosage form	2013
Dr.S.Shanmugam	M.Pharm.	Bhanuprakash Odiga	Formulation and Invitro evaluation of floating Microspheres of Aciclovir	2013
Mr.T.Ayyappan	M.Pharm.	Chithamreddy Poojitha	Formulation design, optimization & in vitro evaluation of novel orodissolving tablets of efavirenz for HIV infections	2013
Mr.T.Ayyappan	M.Pharm.	Bhaktha pragalathan G	Formulation design and in vitro evaluation of pH sensitive mebeverine hydrochloride nanoparticles for colon targeting	2014
Dr.S.Shanmugam	M.Pharm.	Pochineni Amarnadh	Formulation and in-vitro evaluation of sustained release matrix tablets of Levosulpiride	2014

❖ Percentage of students who have taken up in-house projects including inter-departmental projects

Program	Percentage of students who have taken up in-house projects inter-departmental projects
B.Pharm.	100%
M.Pharm.	80% (Research work)

- ❖ Percentage of students doing projects in collaboration with other universities / industry / institute

Program	Percentage of students doing projects in collaboration with other universities / industry / institute
M.Pharm.	20% (Research work)

29. Awards / recognitions received at the national and international level by

- Faculty
- Doctoral / post doctoral fellows
- Students

S.No.	Name of Faculty	Name of Award	Year
1.	Dr.S.Shanmugam	Best Teacher Award from The Tamilnadu Dr.M.G.R. Medical university, Chennai.	2011
2.	Mr.T.Ayyappan	Best Teacher Award from ACMEC Trust, Melmaruvathur.	2016
Student			
1.	Mr.A.Sampath	The Tamilnadu Pharmaceutical association welfare trust,Tamilnadu.	2012

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.

S.No	Year	Seminars-S Workshop-W Conference-C	Resource Persons	Sponsored/Funded by
1.	2016	Recent innovations in Nanoparticulate drug delivery system for targeting cancer cells-S	Dr.M.Jagadeesan Dr.S.Kavimani Prof.K.Ilango Mr.T.Ayyappan	The Tamilnadu Dr.MGR.Medical University,Chennai
2.	2015	Current trends in Pharmaceutical Research-S	Dr.D.Ashok kumar	APCP and APCP Alumni
3.	2015	Novel Drug Delivery system-S	Prof.Dr.M.Motilal	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
4.	2015	Recent trends in Nanoparticulate drug delivery system-S	Prof.S.Daisy Chellakumari	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy

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5.	2015	Novel approaches on Nanoemulsion -S	Prof.D.Sakthivel	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
6.	2015	Tablet Disintegration-W	Mr.J.Hemachandran	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
7.	2015	Tablet Dissolution-W	Mr.J.Hemachandran	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
8.	2015	Sustained release drug delivery system-S	Dr.K.Chandramohan	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
9.	2014	Current trends in Pharmaceutical Research-S	Dr.D.Selvaraj	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
10.	2014	Novel drug delivery system-S	Prof.D.Umamaheswari	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
11.	2014	Current trends in formulation development using Nanotechnology-S	Prof.Dr.R.P.Ezhilmuthu	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
12.	2014	Advancement in Clinical Pharmacy Practice-S	Prof.A.Jayalakshmi.	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
13.	2014	Recent Advances in Pharmaceutics-S	Dr.K.P.Mohanraj	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy

14.	2014	Transdermal drug delivery system-S	Dr.D.Damodharan	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
13.	2014	Hospital, Pharmacy practice in Bangladeshi Hospital. The present Scenario-S	Dr.Sitesh .C.Bachar.	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
14	2014	Antiretroviral drug delivery for management of HIV infection using Nanotechnology-S	Dr.K.V.Leela. Dr.S.Kavimani Dr.K.Ilango DR.R.Elango	ICMR(Received Rs.40,000)
15.	2013	Updating current trends for the community and Hospital Pharmacist-S	Dr.V.Ravichandran Dr.S.Kavimani Mr.M.Sukumar	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
16.	2013	Recent Advancement in Pharmaceutical Sciences-S	Dr.S.P.Thyagarajan	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
17.	2013	Novel Techniques in Formulation development-S	Prof.Balamurugan	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
18.	2012	Recent Trends in Pharmaceutical Research-S	Dr.P.Ramkumar	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
19.	2012	Sterilization of Parenteral products-S	Prof.K.Mohankumar	Department of Pharmaceutics, Adhiparasakthi College of Pharmacy
20.	2012	Pharma Manufacturing for Regulatory Market	Mr.Kumar Shanmugam	Pharmfist

31. Code of ethics for research followed by the departments

- ❖ The research work carried out by the students of B.Pharm. and M.Pharm.in the institute are critically monitored and supervised by their allotted research guides.

The institute takes necessary measurements to check malpractices in the research work undertaken by the students.

- ❖ It is mandatory to submit dissertation books by the students and signed the certificate page by respective guide and forwarded by Principal stating that the work carried out is original and references and other contributions have been duly acknowledged. Animal usage is approved through IAEC –CPCSEA committee of our institute.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		No of Students passed out	
		Male	Female	Male	Female
B.Pharm.					
2012-13	78	24	30	21	23
2013-14	90	24	34	13	06
2014-15	96	31	31	12	25
2015-16	94	30	30	15	08
M.Pharm.					
2012-13	06	02	0	10	
2013-14	04	0	0	08	
2014-15	03	01	01	14	
2015-16	05	02	02	02	

33. Diversity of students:

Name of the Program (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
B.Pharm.				
2011-12	100	0	0	0
2012-13	100	0	0	0
2013-14	100	0	0	0
2014-15	100	0	0	0
2015-16	100	0	0	0
M.Pharm.				
2011-12	100	0	0	0
2012-13	100	0	0	0
2013-14	Nil	0	0	0
2014-15	100	0	0	0
2015-16	100	0	0	0

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

GPAT	No. of students qualified
2012-2013	2
2013-2014	5
2014-2015	0
2015-2016	3

35. **Student progression**

Student progression	Percentage against enrolled
UG to PG	
2011-2012	07%
2012-2013	24 %
2013-2014	Nil
2014-2015	22%
2015-2016	Nil
PG to Ph.D.	
2011-2012	Nil
2012-2013	
2013-2014	
2014-2015	

Employed Campus Selection and other than Campus Recruitment	On Campus	Off Campus
2011-2012	75%	20%
2012-2013	81%	18%
2013-2014	59%	38%
2014-2015	68%	30%

36. **Diversity of staff:**

Percentage of faculty who are graduates	
of the same university	50%
from other universities within the State	33%
from universities from other States	17%
from universities outside the country	Nil

37. **Number of faculty who were awarded M.Phil., DM, M.Ch, Ph.D., D.Sc. and D.Litt. during the assessment period – 01**

Number of faculty awarded Ph.D.	
2011-2012	01
2012-2013	Nil
2013-2014	Nil

2014-2015	01
Total number of faculty Awarded Ph.D.	02

38. Present details of departmental infrastructural facilities with regard to

a) Library:

No. of Volumes: 3934

No. of Titles: 678

No. of National Journals: 04

No. of International Journals: 06

b) Internet facilities for staff and students:

Internet facilities are provided for both staff and students (speed: 10 mbps). Students have access to internet through wi-fi facility and in computer lab of the institute to assess the followings.

E – Journal: Delnet, Inventi Impact

E – Consortium: The Tamilnadu Dr.M.G.R. Medical University.

c) Total number of class rooms -07

d) Class rooms with ICT facility and ‘smart’ class rooms: 01

e) Students’ laboratories -04

f) Research laboratories -01

39. List of doctoral, post-doctoral students and Research Associates

a) from the host institution/university

S.No.	Name of the faculty	Name of University	Year of Registration of Ph.D.
01	Mr. T.Ayyappan	The Tamilnadu Dr.M.G.R. Medical University	2015
02	Mrs. D.Akiladevi	The Tamilnadu Dr.M.G.R. Medical University	2013

b) from other institutions/universities.

S.No.	Name of the faculty	Name of University	Year of Registration of Ph.D
01	Mr. K.Sundaramoorthy	Vel’s University	2013

40. Number of post graduate students getting financial assistance from the university.

Nil.

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

The institute reviews the admission status of all the programmes annually. Based on the number of students admitted against sanctioned intake, final decision taken by the Principal and Management.

42. Does the department obtain feedback from
a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback of the faculty on the curriculum and the teaching learning process is obtained by the institute. The issues related to teaching learning of departmental subjects are discussed and solved in the departmental meetings. The institute follows the curriculum designed by The Tamilnadu Dr.M.G.R.Medical University.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback of the students about the faculty is taken by the institute. The feedback is collected manually from the students once in year and analyzed. The compiled report is communicated to the Principal of the Institute. These faculty members are informed by the Principal to take special efforts for improving their performance.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Feedback of the alumni and the employer is taken at the institutional level annually. The feedback is reviewed by the Principal. From the feedback given by alumni and employer, the knowledge gaps are identified and various additional training is offered based on the suggestions given by alumni and employer to link the knowledge gap.

43. List the distinguished alumni of the department (maximum 10)

1. BhanuPrakash Odiga, Natco Pharma Limited, Hyderabad.
2. Mr.Bharathiraja, Research Scientist, R&D Apex Laboratories, Chennai
3. Mr.Ram Vignesh, Assistant Manager, Dr.Reddy's Laboratories,Hyderabad.
4. Mr.Srikanth, Research Scientist, Mylan Laboratories, Bangalore.
5. Bingi Raghuram, Executive QA at Geltec Private Limited, Bangalore.
6. Baji Rao Thota, QA Executive, Granules India Limited, Guntur, Andra Pradesh.
7. Bindu Naveen Kumar, Senior Executive, Syngene International Ltd, Bangalore.
8. Nandha Kumaran, R& D, Formulation, Shasun Pharmaceuticals, Puducherry.
9. Mr.K.Kamaraj, Assistant Manager, Ocean Healthcare Pvt. Ltd., Kanchipuram.
10. Sakthivel J, Senior Pharmacist, Apollo specialty Hospital , Chennai.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

S.No.	Name of the Speaker	Topics Delivered	Beneficiary
1.	Dr.K.Chandramohan Professor, Thanthai Rover College of Pharmacy,	Sustained release drug delivery system	Faculty and Students

	Perambalur.		
2.	Dr.R.P.Ezhilmuthu, Professor, Padmavathy College of Pharmacy, Dharmapuri.	Current trends in formulation development using nanotechnology	Faculty and Students
3.	Prof.D.Umamaheswari, Professor, College of Pharmacy, Madurai Medical College, Madurai.	Novel drug delivery system	Faculty and Students
4.	Dr.D.Damodharan, Professor, SRM College of Pharmacy, Kattangulathur.	Transdermal drug delivery system	Faculty and Students
5.	Dr.Sitesh C.Bachar. Professor, University of Dhaka, Bangladesh.	Hospital pharmacy practice in bangladeshi hospital, The present scenario.	Faculty and Students
6.	Dr.V.Ravichandran, Professor, Vel's College of Pharmacy, Chennai.	Updating current trends for the community and hospital pharmacists	Faculty and Students

45. List the Teaching methods adopted by the faculty for different programs

- ❖ The faculty of this department is practiced to deliver their class room lectures through power-point using LCD Projectors to understand the complexities of some concepts viz., tablet punching, capsule packing, drug targeting in AIDS/Cancer diseases with nanoparticles drug delivery systems.
- ❖ Using Audio- Visual Aids from internet such as You Tube and multimedia videos.
- ❖ Interactive sessions during classroom/practical classes.
- ❖ Conventional teaching methodologies like using chalk and board, OHP etc.
- ❖ The students of this department are at freedom to become proficient in using computerized software viz., DISSO V3.0, Prism, Design expert etc, during their practical's for data analysis.
- ❖ The department in association with Industry-Institution interaction cell regularly arranges industrial visits, industrial projects and placements for the job of students.
- ❖ Students are being encouraged for self-learning by allotting classroom presentation on advanced topics and group projects in the form of dissertations to promote team spirit.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

Direct assessment tools

- ❖ Making Calculation of student performance in university examination by taking percentage of Pass students in Final year Exam of both UG and PG students.
- ❖ Calculating the student performance in University examination by taking of students passing with First class in Final year of both UG and PG students.
- ❖ Performance in the projects also checking regularly by respective guides.

Indirect assessment tools

- ❖ Placement Record
- ❖ Alumni survey
- ❖ Graduate exit Feedback
- ❖ Interview assessment record
- ❖ Percentage of students opting for higher studies.

47. Highlight the participation of students and faculty in extension activities.

- ❖ The head of the department of Pharmaceutics is being officiating as Board of Studies Member & Guide, Ph.D Screening committee Member and university Inspector of The Tamilnadu Dr.M.G.R.Medical University and Guide in Vel's university, Chennai.
- ❖ The faculty of the department has been encouraged and also delivered guest lectures at other universities and colleges.
- ❖ The institute has an approved NSS unit established under The Tamilnadu Dr.M.G.R. Medical University where the students and faculty are encouraged to enroll as members giving them an opportunity to participate and undertake extension activities to cater to the needs of the community and society at large..
- ❖ The faculty of the department has been organizing national seminars/ CPE Program.
- ❖ Most of the faculty was registered in the national professional- bodies viz., Association of pharmacy teachers of India (APTI) and Indian Pharmaceutical Association (IPA).
- ❖ Organization of eco-friendly rallies and street plays to create awareness on social issues like save water save life and AIDS awareness.
- ❖ Conducted camps and orientation programmes for the people from rural areas to sensitize them on various social issues
- ❖ Conducted health checkups to assess the health status of the people from rural areas
- ❖ The faculty and students of this department are involved to impart training on the sophisticated equipments to other college students during workshops.

48. Give details of “beyond syllabus scholarly activities” of the department.

- ❖ The department is regularly conducting Yoga classes for UG and PG students.
- ❖ The department actively engaged students in spiritual activities to bring them in a well organized manner in society.
- ❖ The department holding in various activities such as blood donation camp, health awareness programmes, patient counseling of family illness of students.
- ❖ Deputation of the postgraduate and undergraduate students for industrial training.
- ❖ Projects and research conducted with industrial collaborations.
- ❖ Industrial visits of undergraduate and postgraduate student.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.

Nil.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- ❖ Our department is engaged in various research activities by indulging the students in novel projects in UG and PG levels.
- ❖ Our department is conducting hands-on training to obtain practical knowledge in sophisticated instruments.
- ❖ Our department library is maintaining international and national journals and textbooks for updating current knowledge for our students.
- ❖ Three of our faculty doing Ph.D. work in the following areas:
 - Formulation and Evaluation of Nanoparticulates Drug Delivery System
 - Development and Evaluation of Self Emulsifying Drug Delivery System.
 - Formulation and Evaluation studies of Regiospecific Drug Delivery System.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department Strength

- ❖ The faculties of the department are well qualified and competent heading and mentoring by two doctorates.
- ❖ The department is being equipped with industrial-scale heavy machinery and sophisticated equipments to cater the basic facilities to pursue Ph.D.
- ❖ To intensify the research inclination in this department, the institute has subscribed e-journals Delnet, Inventi impact and e-Consortium of The Tamilnadu Dr.M.G.R.Medical University.
- ❖ The faculties are continuously devoted for the research work through publications and presentations at symposia or conferences.
- ❖ The institute with respect to this department has made collaborations or tie-up with pharmaceutical industries viz., Aravind Remedies, Micro Therapeutics, Axon Drugs, Cassel research Laboratory and MedoPharm.
- ❖ The department UG and PG students are arranged with project works at industries.

Weakness

- ❖ The department should be upgraded with high –end equipments for advanced research at to be par with centre for excellence institutes.
- ❖ The department faculties need to transform the basic level research to advanced research for the publications with impact factor over and above 5 or to obtain more number of patents.

Opportunities

- ❖ The department needs to organize the webinars to inculcate the faculty and student as well to be in-line with latest technology.
- ❖ The department aims to stand as a centre of formulation and development Research centre at regional and state- level.

Challenges

- ❖ To arrange campus interview and promote absolute placement
- ❖ To encourage them to be entrepreneurs or to evolve them as major stake- holders of the society in pharmaceutical field.

52. Future plans of the department.

- ❖ To establish Formulation R & D unit
- ❖ To obtain more collaborative R & D projects.
- ❖ To establish formulation unit to provide quality medicines for cheaper prices.

Evaluative Report – Department of Pharmaceutical Chemistry

1. **Name of the Department:** Pharmaceutical Chemistry

2. **Year of establishment:**

B. Pharm: 1993

M.Pharm: 2009

3. **Is the Department part of a college/Faculty of the university:** Department is a part of institute. Programmes i.e., UG/PG is affiliated to The Tamilnadu Dr.M.G.R. Medical University, Chennai.

4. **Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

UG: B.Pharm: 1993

PG: M.Pharm: 2009

5. **Interdisciplinary programs and departments involved:**

The UG/PG students are undertaking research projects. Students are provided an opportunity to work on research projects with multidisciplinary approach. Some research works were mentioned below:

Research Area	Departments
Design, Synthesis and Pharmacological Screening	Pharmacology
Formulation and evaluation of Pharmaceutical dosage forms.	Pharmaceutics
Analytical Method Development and validation for finished dosage form.	Pharmaceutical Analysis
Isolation of chemical constituents from plant crude drug.	Pharmacognosy

6. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**

Industries: Micro therapeutics

Axon Drugs Private Ltd.

Universities: Nil

7. **Details of programs discontinued, if any, with reasons:** Nil

8. **Examination System: Annual/Semester/Trimester/Choice Based Credit System:** Annual

9. **Participation of the department in the courses offered by other departments:**

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Name of the Course	Name of Dept	Approved by
M.Pharm	Pharmaceutical Analysis	AICTE
M.Pharm	Pharmaceutics	AICTE

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching post	Sanctioned	Filled
Professor	01	01
Associate Professor/Reader	02	02
Assistant Professor	03	03
Lecturer	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Students guided for last 4 years
Dr.D.Nagavalli	M .Pharm. Ph.D.	Professor	Pharmaceutical Chemistry	21 years	11
Mr.M.Senthil@palaniappan	M .Pharm.	Associate Professor	Pharmaceutical Chemistry	24 Years	02
Dr.G.Abirami	M.Pharm Ph.D.	Associate Professor	Pharmaceutical Chemistry	08 years	07
M.Suresh Gandhi	M.Pharm.	Assistant Professor	Pharmaceutical Chemistry	05 years	NIL
Mr.S.Sankarnarayanan	M.Pharm.	Assistant Professor	Pharmaceutical Chemistry	02 years	NIL
Miss.S.Saranya	M.Pharm.	Assistant Professor	Pharmaceutical Chemistry	6 months	NIL

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

- Dr. A. Aruna Professor, Joint Director of Education (Pharmacy), Chennai.
- Dr. J.Jerald Suresh, Principal, Madras Medical College, Chennai.
- Dr. K.IIango, Director, Faculty of Research, SRM University, Kattankulathur.
- Dr. A.Rajsekaran, Principal, KMCH, Coimbatore.
- Dr. K. Girija, Professor, MTGPIHS, Puducherry.

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Student Teacher Ratio filled and actual:

Course	Student Teacher Ratio
(UG) B. Pharm	15:1
(PG) M. Pharm	12:1

15. No of academic support staff (Technical and administrative staff: sanctioned, and actual.

Supporting staff	B.Pharm		M.Pharm	
	Sanctioned	Filled	Sanctioned	Filled
Administrative staff	02	02	02	02
Technical staff	02	02	02	02

16. Research thrust areas as recognized by major funding agencies: Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with: College has an approved research centre by The Tamilnadu. Dr. MGR. Medical University, for pursuing postgraduate (M.Pharm) program in Pharmaceutical Chemistry.

21. Special research laboratories sponsored by / created by industry or corporate bodies:
Nil

22. Publications:

Number of papers published in peer reviewed journals (national / international)

Publications of Dr.D. Nagavalli

1. D. Nagavalli *et. al.*, Development of UV Spectrophotometric method for the Simultaneous Estimation of Olmesartan Medoxamil and Atorvastatin Calcium in Tablet by Simultaneous Equation and First order Derivative method, **J. Pharm. Res.**, 2011, 4(6), 1711 – 1712.
2. D. Nagavalli *et. al.*, Validated HPLC Method for the Simultaneous Estimation of Gatifloxacin Mesylate and Ambroxol Hydrochloride in Bulk and Tablet Dosage Form, **J. Pharm. Res.**, 2011, 4(6), 1701 – 1703.
3. D. Nagavalli *et. al.*, Simultaneous Estimation of Atorvastatin Calcium, Ezetimibe and Fenofibrate in Pure and Combined Tablet Dosage form by UV Spectrophotometry, **Int. J. Pharm. Sci. Rev. Res.**, 2011, 8(2), 40 – 44
4. D. Nagavalli *et. al.*, A Validated Analytical Method Development for the Simultaneous Estimation of Metformin Hydrochloride and Fenofibrate in Pure and in Tablet Dosage Form, **Int. Res. J. Pharm.**, 2011, 2(12), 146 – 149.

5. D. Nagavalli Kuncha Teja, *et al.*, Validated Estimation of Temozolamide in Pure, Biological sample by UV Spectroscopic, RP - HPLC and HPTLC Methods, **Am. J. PharmTech Res.**, 2012, 2 (6), 751 - 763.
6. D. Nagavalli, Rajitha Kandimalla *et al.*, Validated Estimation of Capecitabine by UV Spectroscopic, RP - HPLC and HPTLC Methods, **IRJP**, 2012, 3 (11), 163 – 166
7. D. Nagavalli *et al.*, RP - HPLC and Colorimetric Methods for the Estimation of Silodosin in Capsule Dosage Form, **International Journal of Frontiers in Science and Technology**, 2013, 1 (3), 1 - 13.
8. D. Nagavalli *et al.*, To increase the awareness of anemia among the pregnant women, *World journal of pharmacy and pharmaceutical sciences*, 2015(4), 1885-1857.
9. D. Nagavalli *et al.*, The impact of metformin on psychosocial wellbeing affecting quality of life among Malaysian Women with polycystic ovarian syndrome, **World Journal of Pharmacy and Pharmaceutical Sciences**, 2015, 4(11), 40-54.

Publications of Dr. G. Abirami

1. G. Abirami *et al.*, Spectrophotometric Method for Estimation of Desvenlafaxine Succinate in Tablet Dosage Form, **Res. J. Pharm. Biol. & Chem. Sci.**, 2011, 2(2), 721 – 729
2. G. Abirami *et al.*, Development and Validation of UV – Spectroscopy Method for the Determination of Dapoxetine Hydrochloride in Pharmaceutical Formulation, **J. Pharm. Res.**, 2012, 5(4), 1949 – 1951
3. G. Abirami *et al.*, Development and Validation of UV – Spectroscopy Method for the Determination of Cefpodoxime Proxetil and Ambroxol Hydrochloride in Pharmaceutical Formulation **Int. J. PharmTech Res.**, 2012, 4(2), 623 – 629
4. G. Abirami *et al.*, Development and Validation of Spectrophotometric Method for Estimation of Sitagliptin Phosphate and Simvastatin in Combined Dosage Form by Derivative Spectrophotometry, **Journal of Pharmacy Research**, 2012, 5 (12), 5549 - 5552.
5. G. Abirami *et al.*, Validated Analytical Method Development of Desvenlafaxine succinate in Solid Dosage Form by RP - HPLC and HPTLC Methods, **Am. J. PharmTech. Res.**, 2013, 3(1), 517 - 525.
6. G. Abirami *et al.*, Development and Validation of RP - HPLC Method for the Determination of Cefpodoxime Proxetil and Ambroxol Hydrochloride in Pharmaceutical Formulation, **Int. J. Pharm & Tech.**, 2013, 4 (4), 5028 - 5037.
7. G. Abirami *et al.*, Simultaneous Estimation of Tolperisone and Paracetamol in Pure and Fixed Dose Combination by UV - Spectrophotometry, **Int. J. Pharm& Pharm. Sci.**, 2013, 5 (1), 488 – 492.
8. G. Abirami *et al.*, Analytical Method Development and Validation of Estimation Method for Sotalol Hydrochloride Tablets by Using RP - HPLC, **Indian Journal of Research in Pharmacy and Biotechnology**, 2013, 1 (5), 736 - 740.
9. G. Abirami *et al.*, A New RP - HPLC Method for Simultaneous Estimation of Thiocolchicoside and Ketoprofen in Tablet Dosage Form, **World Journal of Pharmacy and Pharmaceutical Sciences**, 2014, 3 (2), 2564 - 2575.
10. G. Abirami *et al.*, Development and Validation of Dapoxetine in Pure and Solid Dosage Form by HPTLC Method, **International Journal of Pharmaceutical Development and Technology**, 2014, 4 (2), 86 - 89.

11. G. Abirami *et al.*, Analytical Method development for the estimation of Alprazolam and Melatonin by using RP-HPLC in Bulk and Tablet dosage form., **Indo American Journal of Pharmaceutical Research.**, 2014. 4(11), 5200-5208.

Monographs: Nil

Chapters in Books: Nil

Books edited: Nil

Books with ISBN with details of publishers: Nil

Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO hosts, Medline, etc.)

Name of Faculty	Impact factor range	Citation Index	SNIP	SJR	h-index
Dr.D. Nagavalli	0.751- 5.210	129	03	02	6
Dr. G.Abirami	0.35- 6.041	39	05	05	4

23. **Details of patents and income generated:** Nil

24. **Areas of consultancy and income generated:** Nil

25. **Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad:**

S.No.	Faculty visited	Institutions
1.	Dr.D. Nagavalli	<ul style="list-style-type: none"> ✓ Madras Medical college, Chennai ✓ Madurai Medical college, Madurai ✓ SRM University, Kattankulathur. ✓ Vel's University, Chennai ✓ Sri Ramachandra college of Pharmacy, Chennai. ✓ Sri Ramakrishna Institute of Para medical. Sciences, Coimbatore-44 ✓ Periyar College of Pharmaceutical sciences, Trichy. ✓ J. K.K.Nataraja College of Pharmacy, Erode ✓ J. K.K.Muniraja College of Pharmacy, Erode ✓ Nandha College of Pharmacy, Erode ✓ Kamalkshi Pandurangan College of Pharmacy, Tiruvanamalai ✓ Adibagavan College of Pharmacy, Saiyar.
2.	Dr. G.Abirami	<ul style="list-style-type: none"> ✓ SRM University, Kattankulathur. ✓ Vel's University, Chennai ✓ J.K.K. Nataraja College of

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		Pharmacy, Erode ✓ Erode College of Pharmacy, Erode ✓ Nandha College of Pharmacy, Erode ✓ Kamalkshi Pandurangan College of Pharmacy, Tiruvanamalai. ✓ Surya College of Pharmacy, Villupuram. ✓ K.K. College of Pharmacy, Chennai. ✓ KMCH College of Pharmacy, Coimbatore. ✓ Periyar College of Pharmaceutical sciences, Trichy
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26. Faculty serving in: A. National committees B. International committees C. Editorial Board:

S.No.	Faculty	Member	Reviewer
1.	Dr.D. Nagavalli	APTI(Association of Pharm. Teachers of India) IPha(The Indian Pharmacist Association)	✓ Eurasian Journal of Analytical Chemistry. ✓ Indian Journal of Pharmaceutical Sciences ✓ Journal of Liquid Chromatography & Related Technologies. ✓ Analytical Chemistry Letters
2.	Dr. G.Abirami	APTI(Association of Pharm. Teachers of India) IPha (The Indian Pharmacist Association)	Nil

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Dr. D. Nagavalli conducted workshop in Staff Development Programme

Programmes Attended by Faculty:

S.No.	Name of the Faculty	Year	Topic
1.	Dr.D.Nagavalli	2015	Emerging trends and opportunities in pharmacy education
		2014	State level conference @ Rally
		2012	Validation of Analytical methods and procedures International congress of pharmacy graduates

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2.	Dr.G.Abirami	2015	Hands on training on Differential scanning calorimeter
		2014	State level conference @ Rally
		2012	Current development in new formulations and rules of regulations

28. Student projects

percentage of students who have taken up in-house projects including inter-departmental projects

S.No	Name	Year	Project Title
1	Jayanthi .S	2011	A Validated New Analytical Method Development for The Simultaneous Estimation of Losartan Potassium and Chlorthalidone in Pure And Tablet Dosage Forms By UV Spectroscopy And RP-HPLC
2	Kumanan	2011	Simultaneous Estimation of Doxophylline and Terbutaline Sulphate In Bulk and In Tablet Dosage Form By Uv-Spectroscopy And RP-HPLC
3	Logesh .R	2011	Development And Validation of Analytical Methods for the Estimation of Desvenlafaxine Succinate By UV-Spectrophotometric Methods,RP –HPLC And HPTLC Method
4	Murugan .S	2011	Development And Validation of RP – HPLC And UV-Spectrophotometric Methods for the Simulataneous Analysis of Three Component Tablet Formulation Containing Lamivudine,Tenofovir Disoproxil Fumarate and Efavirenz.
5	Swarna Kranthi Kumar	2011	Validated UV And RP-HPLC Methods for the Simulataneous Estimation of Gemifloxacin Mesylate and Ambroxol Hydrochloride In Bulk and Tablet Dosage Form
6	Venkata S Babu Aluri	2011	Simultaneous Estimation of Olmesartan Medoxomil and Atorvastatin Calcium In Tablet Dosage Form By UV-Spectrophotometry And RP-HPLC
7	Bharatha Devi.	2011	Design, Synthesis and Analgesic Activity of Modified Enkephalin and Its Conjugates

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8	Jayakumar. A	2011	Design and Synthesis of Tetrapeptide Conjugates for Antibacterial and Antifungal Activities
9	Prabavathi .A	2011	Synthesis, Characterization and Biological Evaluation of 3,5-Disubstituted 1,2,4 – Triazole Derivatives
10	Ramakrishna Chimpiri	2011	Synthesis, Characterization and Biological Evaluation of 2,5-Disubstituted 1,3,4 – Thiadiazole Derivatives
11	Ramajayam .E	2011	Synthesis, Characterization and Biological Evaluation of 1,3,4- Oxadiazoles
12	Ramanathan .N	2011	Synthesis, Characterization and Biological Evaluation of 2,5-Disubstituted Benzimidazole Derivatives
13	Siva devi .S	2011	Synthesis, Spectral Analysis and Biological Activity of Mannich Basis of 2-Substituted Benzimidazole
14	Suresh Gandhi .M	2011	Comparison of GC-MS Analysis and Microbial Activity of Volatile Oil in Three Varieties of Piper Betle L Leaves
16	Pandiyan .A	2012	Chemical Profiling and Biological Activity of Leaves of <i>Ocimum Gratissimum</i> Grown in Tamilnadu
17	Bharathi .V	2012	Synthesis, Characterization and Biological Evaluation of Some Peptide Coupled Quinazolin-4(3h)-Ones
18	Hemachander .R	2012	Synthesis, Spectral Analysis And Biological Evaluation Of Some Novel Fluorobenzothiazole Incorporated 1,3,4-Thiadiazole
19	Lakshmi .M	2012	Synthesis, Analgesic and Antimicrobial Potential of Some Newer Benzothiazole Series
20	Poornima .M	2012	Phytochemical Screening, Elemental Analysis and Antimicrobial Activity on Flower Part of Three Hibiscus Species
21	Sankarnarayanan .S	2012	Synthesis, Characterization and Biological Evaluation of Some Newer Series of Quinazolones.
22	Sethuvani .S	2012	Synthesis, Characterization and

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			Biological Evaluation of 2-Azetidinone and 4-Thiazolidinone Derivatives
23	Sreerama Rajasekhar	2012	Synthesis, Characterization and Biological Evaluation of Some Novel N-Mannich Bases of Benzimidazole Derivatives
24	Venkatraman .S	2012	Synthesis, Antiinflammation and Antimicrobial Activities of Newer Series of 1,3,4-Oxadiazoles
25	Yokesh Kumar .M	2012	Synthesis and Biological Activity of Novel 2,5-Disubstituted Benzimidazole Derivatives
26	Bhavyasri .M	2012	Validated Analytical Methods for the Simultaneous Estimation of Cefpodoxime Proxetil And Ambroxol Hydrochloride By UV Spectrophotometry And RP-HPLC in Bulk and Tablet Dosage Form
27	Kishore pallapolu	2012	Validated Estimation of Silodosin in Pure, Pharmaceuticals and Biological Sample by UV-Spectroscopic and RP-HPLC Method
28	Velmurugan .R	2012	Development and Validation of Dapoxetine in Pure and Solid Dosage Form by UV-Visible Spectrophotometric Methods and HPTLC Method
29	Vijayashanthi .S	2012	A Validated Simultaneous Estimation of Metoprolol Succinate and Telmisartan in Pure, Pharmaceuticals and in Biological Sample by UV Spectrophotometry, RP-HPLC and HPTLC Method
30	Kuncha Teja	2012	Validated Estimation of Temozolamide in Pure, Pharmaceuticals and in Biological Sample by UV-Spectroscopic, RP-HPLC and HPTLC Method
31	Malapati Madanmohan	2012	Development and Validation of RP-HPLC Method for the Estimation of Febuxostat Related Substances in Bulk and Formulation
32	Nagaraju Kadimi	2013	Molecular Docking and Invitro Antioxidant Activity of Tylophora Asthematica
33	Ponguzhali .P	2013	UV Spectrophotometric and RP-HPLC Method Development and Validation of Paracetamol, Ambroxol Hydrochloride,

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			Levocetirizine Dihydrochloride, Pseudoephedrine Hydrochloride in Bulk and in Formulation
34	Uma Maheswary S	2013	Anlytical method development for the Estimation of Alprazolam and Melatonin by using UV Spectrophotometry and RP-HPLC in Bulk and Tablet Dosage Form
B.Pharm Projects			
35	Rajesh Arja, Sathish.V Sivarajendra Prasath, Venkata Narasimanreddy, V.S.Rajendra	2013	Review on Neuronal Chemistry
36	S.Anitha, E.Bhavani, S.Hemalatha, S.Shobana	2014	UV-Spectrophotometric Methods,Development for the Estimation of Roflumilast

UG: 100%

PG: 100%

- * percentage of students doing projects in collaboration with other universities / industry / institute :Nil

29. Awards / recognitions received at the national and international level by

S.No.	Name of Faculty	Level	Awards Received
1.	Dr. D. Nagavalli	National	Best Teacher Award from The Tamilnadu. Dr.MGR. Medical University, Chennai
2.	Dr. G. Abirami	National	Received Dr. P. D. Sethi Annual Award 2013 Certificate of Merit for research paper entitled "RPHPLC Method for Simultaneous estimation of Lamivudine, Tenofovir Disoproxil and Efavirenz in Tablet formulation" published in Journal of Analytical Chemistry,2013, vol 68,No.9.

Doctoral / post doctoral fellows: Mrs.G.Abirami received Ph.D., from The Tamilnadu. Dr. MGR. Medical. University, Chennai.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. Nil

31. Code of ethics for research followed by the departments:

- Synthesizing novel molecular drug followed by activity in research.
- Research workout by undergraduate, postgraduate in the institute are critically monitored and supervised by their allotted research guides.

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- Animal usage is approved through IAEC-CPCSEA Committee.
- Usage of solvent during practical class should be restricted by avoiding wastage of chemicals.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Passed out	
		Male	Female	Male	Female
B.Pharm (2012-13)	78	24	30	21	23
B.Pharm (2013-14)	90	24	34	13	06
B.Pharm (2014-15)	96	31	31	12	25
B.Pharm (2015-16)	94	30	30	15	08
M.Pharm (2012-13)	06	-	-	10	
M.Pharm (2013-14)	04	-	-	0	
M.Pharm (2014-15)	03	-	-	01	
M.Pharm (2015-16)	05	-	-	0	

33. Diversity of students:

Name of the program	% of students from the same university	% of students from the same universities within the state	% of students from the universities outside the state	% of students from the other countries
B.Pharm(2011-12)	100	0	-	-
B.Pharm(2012-13)	100	0	-	-
B.Pharm(2013-14)	100	0	-	-
B.Pharm(2014-15)	100	0	-	-
B.Pharm(2015-16)	100	0	-	-
M.Pharm (2011-2012)	100	0	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Academic year	No. of students (GPAT)
2012-13	02
2013-14	05
2014-15	-
2015-16	03

35. Student progression

Student progression	Percentage against enrolled			
	2012	2013	2014	2015
UG to PG	10	0	0	20
PG to M.Phil, DM / M Ch / DNB	0	0	0	0
PG to Ph.D.	0	0	0	0
Ph.D. to Post-Doctoral	0	0	0	0
Employed	75	81	59	68
• Campus selection	20	18	38	30
• Other than campus recruitment				

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	66
from other universities within the State	17
from universities from other States	17
from universities outside the country	NIL

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period.

Mrs.G.ABIRAMI received Ph.D., from The Tamilnadu. Dr. MGR .Medical. University, Chennai.

38. Present details of departmental infrastructural facilities with regard to

a) Library

Volume: 2553 Title: 553

Journals: National - 04

International - 01

b) Internet facilities for staff and students

E - journal - Delnet

E- journal - Inventi Impact

The Tamilnadu Dr. M.G.R. Medical University E-Consortium.

c) Total number of class rooms: UG: 04

PG: 01

d) Class rooms with ICT facility and ‘smart’ class rooms: Yes.

e) Students’ laboratories: UG: 03, PG: 02

f) Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates

a) **From the host institution/university** – Dr. G. Abirami

b) **From other institutions/universities** – Nil

40. Number of post graduate students getting financial assistance from the university.

Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology.

- Institution reviews the admission status of all programmes annually.
- Based on the number of students admitted against sanctioned intake decision taken for new programme.
- Discussion with the faculty members about the updation and scope of the new programme

42. Does the department obtains feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation?

- Yes, from the information collected from student feedback, necessary improvements steps were taken.
- The faculties of the department are involved in the syllabus revision and syllabus designing meetings organized by University.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- Yes, Discussion with the faculty members to implent new method of learning to get good results.
- Faculty members are also given orientation by the Head of the Departments

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

Yes, Feedback from the alumini is collected. This is verified by the Principal and Head of the Department. From this new suggestions and upgrades were taken. Academics improvements were made.

43. List the distinguished alumni of the department (maximum 10)

S.No.	Name	Qualification	Present Position
1.	Dhinesh Natarajan	M.Pharm., Ph.D., Post doc.,	Senior Scientist, Head of Pharmaceutical Sciences, Sivida Corp, U.K.
2.	K. Baskar Reddy	M.Pharm., Ph.D	Dean Research in Sri Venkateswara College of Pharmacy, Chitoor, A.P.
3.	M. Sugumaran	M.Pharm.	Drugs Inspector
4.	Mrs. Chitra	M.Pharm	Central Drugs Inspector
5.	Mr.Prabhu	M.Pharm	Drugs Inspector

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6.	Mr. Kathiravan	M.Pharm	Drugs Inspector
7.	Mr. Raja Mohammed	M.Pharm., Ph.D.	Chief Research Scientist, Technology Transfer, Orchid Health Care, Chennai.
8.	Mr.Durga Prasad	M.S	Lamar University, California.
9.	Mr.M. Mothilal	M.Pharm., Ph.D.	Deputy Controller of Examiner of Pharmacy, SRM University, Kattangulathur.
10.	S.Selvasudha	M.Pharm.	Women scientist, Department of Research And Development, Prist University. Puducherry campus.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts

S.No.	Date	Topic	Speaker
1.	26-11-2012	Retro synthesis	Dr.S.Raja ,M.Pharm.,Ph.D., Prof, Dept of Pharmaceutical Chemistry, Visakhapatnam, Andhra Pradesh.
2	10-09-2013	Chemistry of synthetic drugs	Dr.V.Sekar, M.Pharm.,Ph.D., Prof, Dept. of Pharmaceutical Chemistry, Sivakasi
3	31-03-2012	Molecular modeling “A perspective in Drug design”	Dr. N. Pappayer,M.Sc.,Ph.D., Prof, Dept.of Pharmaceutical, Adhiparasakthi Engg.College, Melmaruvathur.
4	06-03-2014	Newer synthetic steps in drug development	Prof. Babu, M.Pharm.,Ph.D., Prof, Dept.of Pharmaceutical Chemistry,

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			R.V.S College of Pharmaceutical Sciences, Coimbatore.
5	02-09-2014	Computer Aided Drug design	Dr.N.Venkatesan, M.Pharm.,Ph.D., Prof,Dept.of Pharmaceutical Chemistry, S.B. College of Pharmacy,Sivakasi.
6	15-09-2015	Recent advances in combinatorial chemistry	Dr.J.Vijayageetha, M.Pharm.,Ph.D., Prof, Dept.of Pharmaceutical Chemistry, Jaya college of Pharmacy, Chennai.
7	16-09-2015	Importance of Biochemistry in pharmacy	Mrs. Merlin, M.Pharm. Asst.Prof, Dept.of Pharmaceutical Chemistry, Sri Ramakrishna institute of paramedical sciences, Coimbatore.
8	29-10-2015	Fundamentals of IR-Spectroscopy	Dr. K.Chitra, M.Pharm.,Ph.D., HOD, Dept.of Pharmaceutical Chemistry, Sri Ramachandra University, Porur, Chennai.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

The faculty has adopted various teaching methods which include:

1. Conventional teaching methodologies like using chalk, board and OHP etc.
2. The faculty of the department is practiced to deliver their class room lectures through LCD PowerPoint Presentation and multimedia videos.
3. UG and PG students of the department are being encouraged for self learning by allotting classroom presentation on advanced topics.
4. Microwave synthetic techniques
5. Atomic models, Molecular modeling
6. On line examinations

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

- Student's outcomes are periodically monitored by conducting Sessional exam. (Two

months once).

- Conducting viva voce (oral) during practical hours.

47. Highlight the participation of students and faculty in extension activities

- * Involvement of faculty as resource persons at various workshops, seminars and conferences.
- * Resource person
- * AICTE sponsored workshop at Adhiparasakthi College of Pharmacy, Melmaruvathur and Delivered a lecture on ‘Method development in UV Spectroscopy on April 2011.
- * AICTE sponsored Staff development programme on Validation of analytical methods and procedures at KMCH College of Pharmacy, Coimbatore and delivered a lecture on “Chemometrics - Assisted Spectrophotometry Methods for Pharmaceuticals” on June 2012.
- * Conducted camps and orientation programmes for the people from rural areas.
- * Arranging Field trips and Hospital visits.
- * Conduction of workshops on value based education.
- * Conducting Health Awareness program.
- * Blood Donors club.
- * Participation of Faculty and students in NSS activities.

48. Give details of “beyond syllabus scholarly activities” of the department.

- Students are encouraged to design a project to make power point presentation.
- Training the students to learn new molecular modeling development using updated software by docking studies.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details. No

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Participation of seminars and workshop conducted by other Colleges and Universities
- We are conducting seminars and workshop periodically in our college.
- Attending guest lecturers delivered by eminent professors
- Students are carrying out research projects based on Design, Synthesis and Biological evaluation of synthesized derivatives wherein students get exposure to basic aspects of drug receptor mechanism and pharmacological screening.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:

- Good infrastructural facilities
- Laboratories with sophisticated equipments.
- Elaborated collection of books in the library with latest edition of books, journals

etc.

- Department are well qualified and competent heading and mentoring by two doctorates.
- To intensify the research inclination in this department, the institute has subscribed e-journals from publishers of Elsevier

Weakness:

- Department needs to seek attention for collaborative research as a part of outsourcing with international pharmaceutical companies.
- Department should be upgraded with high end equipments/computerized software's.
- More faculties are to be encouraged to pursue Ph.D.
- Decrease in demand of postgraduate course.
- Exposure of Faculty members to industries are less.

Opportunities:

- Department has to adopt advanced teaching and learning practices of utilizing social media platform.
- To collaborate with the industry for projects.
- To encouraging consultancy service.
- Department aims to stand as a centre of development research centre.

Challenge:

- To promote and arrange good placement
- To encourage the students to be entrepreneurs or to evolve as major stake holders of the society in the pharmaceutical field
- To strengthen the profession as per the current need.

52. Future plans of the department.

- To establish research programme leading to the Award of Ph.D.
- To obtain more collaborative R&D Projects
- Encouraging the Faculties for giving emphasis on project interactive teaching methodologies
- To enhance research output in terms of patent and publications.

Evaluative Report - Department of Pharmacognosy

1. **Name of the Department:** Pharmacognosy
2. **Year of establishment:** B.Pharm – 1993.
3. **Is the Department part of a college/Faculty of the university? :** Yes, The department is a part of the college, Adhiparasakthi College of Pharmacy, Tamilnadu and it is affiliated to The Tamilnadu Dr.M.G.R. Medical University, Chennai.
4. **Names of programs offered (UG, PG, Pharm D, Integrated Masters; M.Phil. Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.)**

Programme Offered	Year of Establishment
UG (B.Pharm.)	1993

5. **Interdisciplinary programs and departments involved :**
The UG students are undertaking research projects as a part of the curriculum. Students are provided with an opportunity to work on research projects with multidisciplinary/interdisciplinary approach. Some of the research projects involving interdisciplinary approach are mentioned below:

Research Projects	Departments Involved
Pharmacognostical, preliminary phytochemical and pharmacological studies on leaves of <i>Enicostemma axillare</i> (Lam.)	Pharmacology
Quality control methods for the assessment of stem of <i>Mallotus philipensis</i> (Lam.) Muell. Arg.	Pharmaceutical Analysis
Macroscopical, microscopical and Preliminary phytochemical screening of stem of <i>Mallotus philipensis</i> (Lam.) Muell. Arg.	Pharmaceutical Analysis

6. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
7. **Details of programs discontinued, if any, with reasons:** Nil
8. **Examination System:** Annual/Semester/Trimester/Choice
Based Credit System: Annual
9. **Participation of the department in the courses offered by other departments**

Name of the Course	Contributing Departments	Purpose
M.Pharm.	Pharmaceutics	Drug- Polymers Interaction
M.Pharm.	Pharmaceutical Chemistry	Extraction and Isolation

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

Teaching Posts	Sanctioned	Filled
Professor	1	1
Assistant Professor	2	2

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name of the Faculty	Qualification	Designation	Specialization	No. of Years of Experience
Mrs.S.Sathya	M.Pharm.	Professor	Pharmacognosy	14
Ms.T.Sangeetha	M.Pharm.	Assistant Professor	Pharmacognosy	08
Mr.K.Kalaivanan	M.Pharm.	Assistant Professor	Pharmacognosy	4 months

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr.M.Jagadeesan,
Department of Environmental and Herbal Sciences,
Tamil University,
Thanjavur, Tamil Nadu.

13. Percentage of classes taken by temporary faculty – program-wise information: Nil

14. Program-wise Student Teacher Ratio: 15: 1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual

Academic Staff	Sanctioned	Filled
Technical staff	1	1
Administrative Staff	2	2

16. Research thrust areas as recognized by major funding agencies: Nil

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: Nil

18. Inter-institutional collaborative projects and associated grants received

b) National collaboration b) International collaboration: Nil

19. Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: Nil

20. Research facility / centre with

- state recognition: Nil
- national recognition: Nil
- international recognition: Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies
Nil

22. Publications:

- * Number of papers published in peer reviewed journals (national / international)

S. No.	Name of the faculties	Journal	
		National	International
1.	Mrs.S.Sathya	01	-
2.	Ms.T.Sangeetha	03	-

- * Monographs : Nil
- * Chapters in Books: Nil
- * Books edited: Nil
- * Books with ISBN with details of publishers: Nil
- * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, Medline, etc.):04
- * Citation Index – range / average: Nil
- * SNIP: 0.476
- * SJR: 0.24
- * Impact Factor – range / average: 2.191 to 5.121/3.94
- * h-index: 0.00

Publications of Mrs.S.Sathya

1. S. Sathya et al., Standardisation of Leaves of Mallotus Philippensis (Lam). Muell. Arg. as per WHO Guidelines., **International Journal of Pharma and Bio Sciences**. 2015, 6(1), 679-689.

Publications of Ms.T.Sangeetha

1. T. Sangeetha et al., Bionic Heart: A Review, **Int. J. Curr. Pharm. Res.**, 2011, 3(4), 14 – 19.
2. T. Sangeetha et al., Preliminary Phytochemical Investigation Including HPTLC Profile on Aerial Parts of Vernonia cinerea(L), **Int. J. Pharm. Sci. Rev. & Res.**, 2011, 11(2), 65 – 68.
3. T. Sangeetha et al., Antitumor activity of aerial Parts of Vernonia cinerea (L) Less. Against Dalton's Ascitic Lymphoma, **Int. J. PharmTech Res.**, 2011, 3(4), 2075 – 2079.

23. Details of patents and income generated: Nil

24. Areas of consultancy and income generated

Academic year	Area of consultancy	Title	Income generated	Total
2014 – 2015	Preparation of Traditional Medicines	Preparation of Extract for Obesity	Rs. 1000 /-	

Evaluative Report of Pharmacognosy

2014 – 2015	Quality control of Herbs	Physical evaluation of leaves of Papaya	Rs. 1200 /-	Rs. 2200/-
2013 – 2014	Preparation of Traditional Medicines	Preparation of Diabetic extract	Rs. 1000 /-	
2013 – 2014	Quality control of Herbs	Physical evaluation of seeds of <i>Abelmoschus moschatus</i>	Rs. 1000 /-	Rs. 2000/-
2012 – 2013	Preparation of Traditional Medicines	Preparation of Neem extract	Rs. 1050 /-	
2012 – 2013	Extraction	Distillation of volatile oil from <i>Anethum sowa</i> fruits	Rs. 1000 /-	
2012 – 2013	Pharmacological Evaluation	Anthelmintic activity of stem of ethanolic extract of <i>Mallotus japonicus</i>	Rs. 1000 /-	Rs. 3050/-
Total				Rs.7250/-

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad

S. No.	Name of the Faculty	Laboratories/ Institutions/ Industries visited
1.	Mrs.S.Sathya	<p>Laboratories :</p> <ul style="list-style-type: none"> • Plant Anatomical Research Center, Chennai • Asthagiri herbal research foundation, Chennai. • Bureau Veritas Consumer Product Services (I) Pvt. Ltd., Chennai. <p>Institutions visited :</p> <ul style="list-style-type: none"> • Mohamed Sathak A.J. College of Pharmacy, Chennai. • J.K.K. Munirajah Medical Research Foundation, College of Pharmacy, Kumarapalayam. • Thanthai Rover College of Pharmacy, Perambalur. • Jaya College of Paramedical Sciences, College of Pharmacy, Chennai • Kamalatchi Pandurangan College of Pharmacy, Thiruvannamalai. • Vel's College of Pharmacy, Chennai. • C.L. Baid Metha College of Pharmacy, Chennai.

2.	Ms.T.Sangeetha	Institutions visited : <ul style="list-style-type: none"> • Ultra College of Pharmacy, Madurai. • Sri Ramakrishna College of Pharmacy, Coimbatore. • RVS College of Pharmaceutical Sciences, Coimbatore. • E.G.S. Pillay college of Pharmacy, Nagapattinam. • Thanthai Rover College of Pharmacy, Perambalur. • Kamalatchi Pandurangan College of Pharmacy, Thiruvannamalai. • Surya School of Pharmacy, Villupuram. • Swamy Vivekanandha College of Pharmacy, Elaiyampalayam.
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26. Faculty serving in

a) National committees b) International committees c) Editorial Boards d) any other (specify)

S. No.	Name of the Faculty	Life Membership with Registration details
1.	Mrs.S.Sathya	The Association of Pharmaceutical Teachers of India (TN/LM-360)
		Society of Pharmacognosy (LM-TN/S-144)
		The Indian Pharmacists Association (TN 3801)
2.	Ms.T.Sangeetha	The Association of Pharmaceutical Teachers of India (TN/LM-530)
		Society of Pharmacognosy (LM-TN/T-026)
		The Indian Pharmacists Association (TN 3805)

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

Faculties are encouraged to improve their knowledge, professional and teaching skills by continuous deputation for training courses, seminars and workshops etc. to fulfill present & future role more effectively, maintain high standard of professional competence and to meet the public needs.

S. No.	Name of the faculty	No. of Refresher / orientation programs, workshops, training programs
1.	Mrs.S.Sathya	08
2.	Mrs.T.Sangeetha	04

28. Student projects

S. No.	Duration of the Project	Name of the Project	Project guided by	Project done by
1.	Feb. 2010 - Feb. 2011	A Preliminary Survey of Medicinal plants in and around Melmaruvathur of Kanchipuram District, Tamilnadu, India.	Mrs.S.Sathya	1) M.Thilagavathi
2.	Feb. 2010 - Feb. 2011	Literature Review on Cloning- A Versatile and Sophisticated Process	Ms.T.Sangeetha	1) Sujitha Bodi 2) Swathi Idapalapati 3) Swathi Ilapakurti 4) Thatiparthi Manasa 5) N.Hajeera Banu
3.	Aug.2010 - Aug.2011	A Prelude Survey on Marketed Herbal Formulations	Mrs.S.Sathya	1) Dora Nymisha 2) Jasti Mounica 3) Kallam S Divya Madhuri
4.	Aug.2010 - Aug.2011	A Literature Review on Animal Cell Culture	Mrs.S.Sathya	1) Bollikonda Rakesh 2) Kona Sathish 3) Prakash Kumar KS 4) Satya Ramesh Chandra CH
5.	Aug.2010 - Aug.2011	Review on <i>Benincasa hispida</i> "Brihatphala"	Ms.T.Sangeetha	1) Jagadeswari L 2) Kondari Siva Sai Swetha 3) Sarumathi S 4) Sathya Phani Saraswathi
6.	Aug.2010 - Aug.2011	Rebuilding of Human beings by Medical Bionics – An emerging field	Ms.T.Sangeetha	1) HNV Ramakrishna 2) Kotha S Navya 3) Narsimsetty Sharatha 4) Saritha Vedula
7.	Aug.2011 - Aug.2012	Administration of Indigenous preparations of selected Medicinal plants – An Overview	Mrs.S.Sathya	1) Alla Siva Sankar 2) A.Narayanan 3) V.Pazhanivel 4) Pochineni Amarnath
8.	Aug.2011 - Aug.2012	A Review on Cryonics – A life Extenser	Ms.T.Sangeetha	1) N.Akilandeswari 2) P.Divya 3) J.Janaki 4) Pathuri Bhargavi 5) P.Ponguzhali

9.	Aug.2012 - Aug.2013	Macroscopical, microscopical and Preliminary phytochemical screening of stem of <i>Mallotus philipensis</i> (Lam.) Muell. Arg.	Mrs.S.Sathya	1) G.Archana 2) B.Aswini 3) E.Deepa 4) S.Devisree 5) C.Divyabharathi
10.	Aug.2012 - Aug.2013	Quality Control methods for the assessment of stem of <i>Mallotus philipensis</i> (Lam.) Muell. Arg.	Mrs.S.Sathya	1) E.Elakiya 2) R.Elakkiya 3) S.Indumathi 4) G.Jayalakshmi 5) M.Kalpna
11.	Aug.2012 - Aug.2013	Pharmacognostical, Preliminary phytochemical and Pharmacological studies on leaves of <i>Enicostemma axillare</i> (Lam.)	Ms.T.Sangeetha	1) G.Rajesh Kanna 2) A.RAmdass 3) N.Saravanaraj 4) D.Senthil Kumar 5) R.Suresh
12.	Aug.2012 - Aug.2013	Pharmacognostical, Preliminary phytochemical studies of <i>Cleome felina</i> Linn.	Ms.T.Sangeetha	1) R.Shobana 2) P.Suganya 3) T.Swathi Priya 4) R.Vijayalakshmi
13.	Aug.2014 - Aug.2015	Gaucher Disease – A Review	Mrs.S.Sathya	1) S.Karthika 2) B.Rekhanjali 3) M.Monisha 4) P.Sharmila
14.	Aug.2014 - Aug.2015	Review on “A new dawn for Diabetes (The world’s greatest Scapegoat) Through Alternative system of Medicine, Allopathic medicine, Stem cell therapy and artificial pancreas	Ms.T.Sangeetha	1) S.Suganya 2) M.D.Thansira Begam 3) D.Valarmathi 4) M.Visalatchi
15.	Aug.2014 - Aug.2015	Review on Autoimmune disease – “An illness is almost guaranteed to cause you to Re-evaluate your priorities.	Ms.T.Sangeetha	1) S.Ambiga 2) S.Devi 3) A.Aswini R.Deepika

- percentage of students who have taken up in-house projects including inter-departmental projects: 100
- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. **Awards / recognitions received at the national and international level by**

- **Faculty:** Nil
- **Doctoral / post doctoral fellows:** Nil
- **Students:** Nil

30. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any:** Nil

31. **Code of ethics for research followed by the departments:** Yes

- Researchers must not take any undertaking on research work which they are not competent.
- Researchers must not do fake research/findings.
- Researchers should not criticize other researchers in unprofessional manner.
- Researchers should not use their research for fraudulent or illegal purpose.
- All researchers are expected to use and cite some materials, but plagiarism or misuse of research will not be permitted.
- The authorship of publication should give due importance to relative leadership and contributions by the researchers concerned.

32. **Student profile program-wise:**

Name of the Program (refer to question no. 4)	Academic year	Applications received	Selected		No. of students passed out	
			Male	Female	Male	Female
B.Pharmacy	2015 - 2016	94	30	30	15	08
	2014 - 2015	96	31	31	12	25
	2013 - 2014	90	24	34	13	06
	2012 - 2013	78	24	30	21	23

33. **Diversity of students**

Name of the Program (refer to question no. 4) B.Pharmacy	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2015 – 2016	100	0	0	0
2015 – 2016	100	0	0	0
2014 – 2015	100	0	0	0
2013 – 2014	100	0	0	0
2012 – 2013	100	0	0	0
2011 – 2012	100	0	0	0

34. **How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other**

competitive examinations? Give details category-wise.

S. No.	Academic year	Number of the students qualified in GPAT
1.	2015 - 2016	03
2.	2014 - 2015	0
3.	2013 - 2014	05
4.	2012 - 2013	02
5.	2011 - 2012	0

35. Student progression (UG to PG) B.Pharm.

S. No.	Academic year	Percentage against enrolled		
		UG to PG	Employed	
			Campus selection	Other than campus Recruitment
1.	2014 - 2015	0	68	30
2.	2013 - 2014	0	59	38
3.	2012 - 2013	0.02	81	18
4.	2011 - 2012	0	75	20

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	100
from other universities within the State	-
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded M.Phil, DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period

The faculty, Mrs.S.Sathya submitted her Ph.D. Thesis entitled “Investigation of β -sitosterol enriched fraction from the methanolic extract of leaves of *Mallotus philipensis* (Lam.) Muell. Arg. against inflammation”.

38. Present details of departmental infrastructural facilities with regard to
a) Library

	Books		Journal (National) Titles
	Titles	Volumes	
Total	172	1324	05

b) Internet facilities for staff and students

Students and staffs are allowed to use internet facilities to improve their knowledge.

The e-journals are assessed through delnet, inventi impact and e-consortium (provided by The Tamilnadu Dr.M.G.R. Medical University, Chennai).

- c) **Total number of class rooms:** 02
- d) **Class rooms with ICT facility and ‘smart’ class rooms:** 01
- e) **Students laboratories:** 01
- f) **Research laboratories:** 01

39. List of doctoral, post-doctoral students and Research Associates

- a) **from the host institution/university:** Nil
- b) **from other institutions/universities:** Nil

40. Number of post graduate students getting financial assistance from the university.
Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology: Nil

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback: Yes

- The feedback of the faculty on the curriculum and the teaching learning process is obtained by the institute during regular staff meetings. The issues related to teaching learning of departmental subjects are discussed and solved in the staff meetings.
- Based on the feedback, modifications in the curriculum/syllabus are recommended to the Board of studies of the Tamilnadu Dr.M.G.R. Medical University through Proper channel.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback: Yes

Feedback of the students about the faculty is taken by the institutional feedback committee. The feedback is collected manually from the students once per semester and analyzed on a scale of 1 to 4 to know the strengths and weaknesses of the individual teacher. The compiled report is communicated to the Principal of the Institute and the Heads of the respective departments. Faculty members with feedback less than 2.4 on 1 to 4 scales are identified. These faculty members are informed by the Principal to take special efforts for improving their performance. These faculty members are also given orientation by the Head of the departments.

c. Alumni and employers on the programs offered and how does the department utilize the feedback: Yes

Feedback of the alumni and the employer is taken at the institutional level. The feedback is reviewed by the Head of the departments and Principal. From the feedback given by alumni and employer, the knowledge gaps are identified and various additional training modules are offered based on the suggestions given by alumni and employer to bridge the knowledge gap. These feedbacks are utilized to upgrade the syllabus and student’s training.

43. List the distinguished alumni of the department (maximum 10)

S. No.	Name of the Student	Name of the post
1.	S.Kathiravan	Drugs inspector
2.	R.Prabhu	Drugs inspector
3.	M.Panthalarajan	Scientific manager, Dr.Reddy's laboratories, Chennai.
4.	Vemula Jagadeesh Kumar	Senior Analyst, Accenture services Pvt. Ltd., Chennai.
5.	Bhanuprakash Odiga	Executive supervisor in production, NATCO.PHARMA, Hyderabad.
6.	Vydana Bala Siva Krishna Mohan	Executive in QA documentation Medopharm.,Pvt.Ltd.
7.	S.Anitha	Medical coding trainer, Advantage Healthcare solution, Bangalore.
8.	M.Monisha	Analyst, Ocean Healthcare, Pvt.Ltd.Chengalpat.

44. Give details of student enrichment programs (special lectures / workshops / seminar) involving external experts.

Date	Title	Lecture By
25.08.2015	Export potential of Herbs	Mrs.T.Karthikayini, M.Pharm, Assistant Professor, Padmavathi College of Pharmacy, Dharmapuri.
05.09.2014	Current Scenario in Pharmacognosy	Prof. T. Venkata Rathinakumar, M.Pharm, Department of Pharmacognosy, College of Pharmacy, Madurai Medical College, Madurai – 625 020.
22 .02.2014	Herbal Drugs for Diabetic Management	Prof .V.R. Ravikumar, M.Pharm., (Ph.D) Department of Pharmacognosy, Erode College of Pharmacy
31.08.2013	Standardization of Herbal Drugs	Prof. S. Ravichandran, M.Pharm, S.Chattanathakarayalar College of Pharmacy, Tenkasi, Tirunelveli DT.
30 .08.2012	Medicinal herbal plants in India	Dr. R.Radha. M.Pharm., Ph.D., Professor, Department of Pharmacognosy, Madras Medical College, Chennai – 600 003.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

ICT enabled teaching in support to the conventional modes of teaching. Following Technologies are used for effective teaching by the faculty:

1. Conventional teaching methodologies like using chalk and board, OHP etc.
2. Power Point Presentations using LCD projectors.
3. Use of Audio-Visual Clips.
4. Interactive sessions during classroom/practical teaching.
5. e-journal, e-books for effective teaching.
6. Laboratory training to aid hands on experience is adopted as teaching methods.
7. One to one discussion with the students.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The outcome of the program objectives are evaluated by class tests, internal assessment examination, practical examination and viva voce. The attainment of program objectives is based on following assessments:

Direct assessment tools

- Student performance in examination (% of students passing in Final year B.Pharmacy)
- Student performance in examination (% of students passing with First class in Final year B. Pharm)
- Performance in the projects

Indirect assessment tools

- Graduate exit Feedback
- Employer feedback
- Placement Record
- Alumni survey
- Percentage of students opting for higher studies

47. Highlight the participation of students and faculty in extension activities.

1. Apart from the academic activities, the faculty and the students are involved in other activities including social awareness program conducted by NSS, YRC, Blood donor's club, Health awareness programmes and spiritual activities etc.
2. The institute has an approved NSS unit, where the students are encouraged to enroll as members giving them an opportunity to participate and undertake extension activities to cater to the needs of the community and society at large. The experience gained helps the members to understand community needs. Besides Certificate of Merit obtained, also help the students in their career progression. The NSS volunteers of the institute have participated in several events that have had a positive impact of their social development. The institute actively participates in various extension activities to facilitate awareness among students regarding health programmes for management of disease and rehabilitation, control of environmental pollution, potable water supply, role of healthy life style, complementary and alternative health system, management of various communicable and non-communicable diseases and empowering the underprivileged and the most vulnerable sections of society.

The initiatives taken by the institute include:

- Organization of rallies and street plays to create awareness on social issues
- Conducted camps for the people from rural areas to sensitize them on various social issues
- Conducted health check-up to assess the health status of the people from rural areas

48. Give details of “beyond syllabus scholarly activities” of the department.

Apart from academic activities, the department is conducting special classes to improve the knowledge of the students. Through the Tutor-ward system, the staffs are taking care of the ward students to develop the student’s skills. The students are encouraged by the faculties for the interactive discussions of their project works. The department of conducting Yoga classes to improve the mental and physical well being of the students. The department is maintaining Medicinal Garden in the College campus as a part of the curriculum. The faculties are guiding the students in cultivation & crop rotation and maintenance of the medicinal and aromatic plants. The students and faculties are actively participating exhibitions to create the awareness among public regarding the safe use of medicinal plants and also in rallies to create public awareness.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details: Nil

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- Inviting speakers for delivering recent trends in Anatomy and physiology of plants.
- Correlating the Anatomy, with medicinal activities of herbs.
- Attending seminars and workshops for updating current trends in Pharmacognosy.
- The B. Pharm., students are undertaking research projects with a specific practical aim or objective in view enriching their basic and applied knowledge. The students are carrying out research projects based on pharmacological screening, survey based study, extraction & isolation of phytoconstituents etc. Students are also given knowledge about the working of sophisticated instruments as well as their handling.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths

- Adequate infrastructure like, classroom, Lab space, equipments, reference books, e-books, journals etc.
- The curriculum is developed to meet the public needs.
- Maintaining a medicinal garden which serves an educational display of medicinal and aromatic plants and also used to practice the method of cultivation, collection, processing of plants.
- Experienced and enthusiastic faculties and supporting staff to support the department activities.

Weakness

- The Research and Development should be strengthened in addition to regular teaching.
- Research grants should be applied to strength the practical knowledge of the faculties.

Opportunities

- Demand for the natural products for therapeutic, nutraceutical and cosmetic use is growing worldwide. So, there is a demand for Pharmacognosist to formulate, develop and standardize herbal products.
- India is rich in its biodiversity and traditional medicines; it plays an important role in isolating, identifying lead molecules for various diseases which are threatening mankind.
- To inspire students and staff for the research and Ph.D. program.
- To collaborate with the industry for the research projects.
- To facilitate industrial exposure through extensive industrial training of students.
- To facilitate skill based and project based learning of the students.
- To encourage consultancy services provided to industry and academics.

Challenges:

- Maintaining the quality and results of students with acquired skills.
- To increase number of placements in current scenario.
- To meet the industrial expectations and skill sets of the students.
- To strengthen the profession as per the current need.

52. Future plans of the department.

- To Initiate M.Pharmacy programme in Pharmacognosy.
- To encourage the faculties to pursue Ph.D. and research.
- To procure sophisticated equipments instruments.
- To establish a library for the extracts isolated compounds from natural source.
- To organize seminars and workshops on recent trends in development of pharmacognosy.

Evaluative Report - Department of Pharmacology

- Name of the Department:** Department of Pharmacology
- Year of establishment:** B.Pharm -1993
- Is the Department part of a college/Faculty of the university:**
The department is a part of an institution, affiliated to The Tamilnadu Dr.M.G.R.Medical University, Chennai.
- Names of programs offered (UG, PG, PharmD, Integrated Masters; M.Phil., Ph.D., Integrated Ph.D., Certificate, Diploma, PG Diploma, D.M./M.Ch., Super specialty fellowship, etc.):**

Program	Year of Establishment
UG (B.Pharm.)	1993

- Interdisciplinary programs and departments involved:**

Research Areas	Department Involved
Phytochemical and Pharmacological evaluation of selected medicinal plants	Pharmacognosy, Pharmaceutical Analysis & Pharmaceutical Chemistry
Designing and Evaluation of Nanoparticles for Anti-Cancer Drugs	Pharmaceutics & Pharmaceutical Analysis

- Courses in collaboration with other universities, industries, foreign institutions, etc:**
Microtherapeutic Research Labs Pvt. Ltd., Chennai.
- Details of programs discontinued, if any, with reasons:-NA-**
- Examination System:**

Programme	Examination System
UG (B.Pharm.)	Annual Pattern

- Participation of the department in the courses offered by other departments:**

The following are the areas where the faculties of our department are contributing.

- IAEC approval through CPCSEA committee
- Animal handling
- Pharmacological screening/evaluation using animal models for the students from
 - Pharmaceutics
 - Pharmaceutical chemistry
 - Pharmacognosy

- Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)**

Posts	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	01	NA
Assistant Professor	04	04	NA

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mrs.S.Shoba	M.Pharm.(Ph.D.)	Professor	Pharmacology	10.8
Mrs.D.Kayathri	M.Pharm.	Assistant Professor	Pharmacy Practice	5
Mrs.M.Sudha	M.Pharm.	Assistant professor	Pharmacology	3
Mrs.M.Vijayakumari	M.Pharm.	Assistant professor	Pharmacology	4
Miss.M.Gokila	M.Pharm.	Assistant professor	Pharmacology	4 Months only

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Date	Topic	Name of the Speaker
01.09.2015	Pharmacovigilance	Prof. Mrs. Sakthi Abirami, M.Pharm MMC- Chennai
29.08.2015	Bioassay	Prof. Mr. Stephen Ambrose, M.Pharm, Sankaralingam Bhuvanewari College of Pharmacy, Sivakasi
3.09.2014	Drug Abuse	Prof. G. Nalini M.Pharm K.M College of Pharmacy, Madurai-625107
10.03. 2014	Testing of herbal drugs in animal model	Dr. Jayaraman, M.Pharm., Ph.D., KMCH, Combiatore. 641 035
5. 09. 2013	New Methods for Pharmacological screening	Dr. Muralidharan M.Pharm., Ph.D., HOD, C.L.BaidMetha College of Pharmacy Chennai- 600 096
31.08.2012	Pharmacological Evaluation of Hepatoprotective Activity	Dr. S. Sengottuvel M.Pharm., Ph.D. HOD., Nandha College of Phamacy, Erode- 638 609

13. Percentage of classes taken by temporary faculty – program-wise information:

Programme	Percentage of classes taken by visiting faculty
UG (B.Pharm.)	NIL

14. Program-wise Student Teacher Ratio:

Programme	Student : Teacher ratio
B.Pharm.	15:1

15. **Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual:**

Support Staffs/Administrative staff	Sanctioned	Filled	Actual
Laboratory Technician	NA	01	01
Laboratory Attendant		01	01
Animal House Keeper		02	02

16. **Research thrust areas as recognized by major funding agencies:** Nil.

- ✓ Cancer and its treatment
- ✓ Cardiovascular diseases and its treatment
- ✓ Chronic inflammatory disease and its complications
- ✓ Diabetes and its complications

17. **Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:** Nil.

18. **Inter-institutional collaborative projects and associated grants received:** Nil.

19. **Departmental projects funded by ICMR; DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.;** total grants received: Nil.

20. **Research facility / center with State recognition, National recognition and International recognition:** Nil.

21. **Special research laboratories sponsored by / created by industry or corporate bodies:**
Nil.

22. **Publications:**

- * Number of papers published in peer reviewed journals (national / international)

Academic year	Name of the faculty	National/International
2014-2015	Mrs. S.Shoba	02

23. **Details of patents and income generated :** -Nil

24. **Areas of consultancy and income generated: Invitro studies**

S.No.	Area of Consultancy	Income Generated
1.	Anthelmintic activity of selected medicinal Plants	Rs.5000
2.	Invitro Anti-inflammatory studies of synthesized compounds	
3.	Invitro Antioxidant studies of selected medicinal plants.	
4.	Antispasmodic effect of compounds using chick ileum.	
5.	Lipid peroxidation study of selected plants.	

25. Faculty selected nationally / internationally to visit other laboratories / institutions / industries in India and abroad: Nil

26. Faculty serving in

- a) National committees b) International committees c) Editorial Boards d) any other (specify):

S. No.	Name of the faculty	Membership details
1.	Mrs.S.Shoba	APTI-TN/LM-280
2.	Mrs.M.Vijayakumari	APTI-TN/LM-553

27. Faculty recharging strategies (Refresher / orientation programs, workshops, training programs and similar programs).

S.No.	Name of the faculty	Seminars
1.	Mrs.S.Shoba	03
2.	Mrs.M.Vijayakumari	01

28. Student projects

- percentage of students who have taken up in-house projects including inter-house departmental projects: 10

Programme	Percentage of students who have taken up in-house projects including inter-departmental projects			
	2014-2015	2013-2014	2012-2013	2011-2012
U.G (B.Pharm)	18%	24%	14%	12%

- percentage of students doing projects in collaboration with other universities / industry / institute : Nil

29. Awards / recognitions received at the national and international level by

- Faculty: Nil
- Doctoral / Post doctoral fellows : Nil
- Students: Nil.

30. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any international) with details of outstanding participants, if any. Nil

31. Code of ethics for research followed by the departments:

- Animal usage is approved through IAEC- CPCSEA committee.
- Biomedical waste is disposed through the Tamilnadu Waste Disposable Management.

32. Student profile program-wise:

Name of the Program (refer to question no. 4)	Applications received	Selected		Passed out	
		Male	Female	Male	Female
B.Pharm. (2012-2013)	78	24	30	21	23
B.Pharm. (2013-2014)	90	24	34	13	06
B.Pharm. (2014-2015)	96	31	31	12	25
B.Pharm. (2015-2016)	94	30	30	15	08

33. Diversity of students

Name of the Program	% of Students from the same university	% of Students from other universities within the State	% of Students from universities outside the State	% of Students from other countries
B.Pharm. (2011-2012)	100%	-	-	-
B.Pharm. (2012-2013)	100%	-	-	-
B.Pharm. (2013-2014)	100%	-	-	-
B.Pharm. (2014-2015)	100%	-	-	-
B.Pharm. (2015-2016)	100%	-	-	-

34. How many students have cleared Civil Services and Defense Services examinations, NET, SET, GATE, USMLE, PLAB, GPAT, NCLEX, CGFNS, IELTS and other competitive examinations? Give details category-wise.

Year	Number of students scored in GPAT
2012-2013	02
2013-2014	05
2014-2015	-
2015-2016	03

35. Student progression

Year	UG to PG	Percentage against enrollment	
		Campus	Other than campus
2014-2015	-	68	30
2013-2014	-	59	38
2012-2013	-	81	18
2011-2012	-	75	20

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	20%
from other universities within the State	20%
from universities from other States	60%
from universities outside the country	-

37. Number of faculty who were awarded M.Phil., DM, M Ch, Ph.D., D.Sc. and D.Litt. during the assessment period:

One faculty has submitted Ph.D. Thesis.
Two faculties are planning for registering Ph.D. Program.

38. Present details of departmental infrastructural facilities with regard to

a) Library:

Number of books Titled: 343
Number of books in Volumes: 1873
National Journal: 07
International journals: 06

b) Internet facilities for staff and students: The staff members are provided with personal computers having internet facility. Students have access for internet facility in the computer lab. The other facilities provided to the staff and the students are

1. e-Journal – DELNET
2. e-Journal- Inventi Impact
3. e-consortium- The Tamilnadu Dr. MGR. Medical University

c) Total number of class rooms: 04

d) Class rooms with ICT facility and ‘smart’ class rooms: 02

e) Students’ laboratories: 02

f) Research laboratories: 01

39. List of doctoral, post-doctoral students and Research Associates

- a) From the host institution/university:** 01.
- b) From other institutions/universities:** Nil

40. Number of post graduate students getting financial assistance from the university: Nil

41. Was any need assessment exercise undertaken before the development of new program(s)? If so, highlight the methodology: NA

42. Does the department obtain feedback from

a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

The feedback of the faculty on the curriculum and the teaching learning process is obtained by the institute during regular meetings. Following steps are taken in the improvement of the curriculum.

- Use of journals, charts, models, videos, simulation software such as Expharm for understanding and clarification of doubts.
- Experiments are carried out to create interest and to learn skills, to increase acquaintance, online digital library is used.
- The department has arranged various guest lectures of distinguished personalities of academic background for the students to create interaction and to enhance knowledge among students.
- The mutual research work has been carried out within the other departments of the college to increase interdisciplinary research base in the students.
- The students are motivated to present seminars of significant topics with comprehensive information.

b. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Feedback of the students about the faculty is taken by the institution using feedback sheets. The feedback sheet is distributed to the students and collected manually from the students and analyzed on a scale of 1 to 4. The compiled report is communicated to the principal. Feedback less than 2.4 on 1-4 scale are identified, particular faculty are informed by the principal to take special efforts for developing /improving their performance.

c. Alumni and employers on the programs offered and how does the department utilize the feedback?

- Alumni Donate regularly with Drug samples for Project works as gift samples.
- Providing case study material, guest lectures, equipment or similar to enhance teaching.
- Supporting student recruitment both at home and overseas.
- Providing careers advice, mentoring, placements and internships to current students.
- Sharing talents to enhance the cultural life of campus through performances, exhibitions, etc.

43. List the distinguished alumni of the department (maximum 10).

S.No.	Name	Position Held
1.	Mr.Prabhu.R	Drugs Inspector
2.	Mrs. Chitra	Central Drugs Inspector
3.	Mr. Kathiravan.O	Drugs Inspector
4.	Mrs. Arthi Rajeswaran	Drugs Inspector

44. Give details of student enrichment programs (special lectures / workshops / seminar)involving external experts.

Academic year	No. of guest of lectures
2011-2012	01
2012-2013	01
2013-2014	02
2014-2015	02

Students have participated in CPE Programme, Conferences and Workshop at institutional Level and elsewhere. Students have participated in university Ph.D. Viva Voce.

45. List the teaching methods adopted by the faculty for different programs including clinical teaching.

- Lectures using black board
- Using LCD Projector
- Models and charts
- ICT method of teaching through Over Head & Power Point Projector.

46. How does the department ensure that program objectives are constantly met and learning outcomes are monitored?

The department ensures that the program objectives are constantly met by proper channel of communication, incorporation of skills, active interaction among students and faculty. Constant improvement is encouraged in teaching by continuous assessment via regular internal assessment examinations, practical exams, orals, discussions and conducting of seminars on regular basis.

47. Highlight the participation of students and faculty in extension activities.

Students and faculties participate regularly in dental camp, eye camp and blood donation camp conducted by Adhiparasakthi group of institution, Melmaruvathur. NSS Unit actively participates in personal hygiene by adopting a village (Pallipet) nearby Melmaruvathur.

48. Give details of “beyond syllabus scholarly activities” of the department.

Exposing the students to industrial visit in the field of recent advancement, recent methodology and giving information on recent drugs.

49. State whether the program/ department is accredited/ graded by other agencies? If yes, give details.- No.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Exploration of potential indigenous sources for development of new drugs / lead molecules against various diseases by undergoing pharmacological evaluation towards human welfare.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:

1. The department has qualified, competent and committed faculty.
2. Good infrastructure and laboratories with sophisticated instruments.
3. CPCSEA approved animal house
4. Tie up with the Tamilnadu waste disposable management for biomedical waste.
5. Good library facilities with extensive collection of books.

Weakness:

1. Research and development should be strengthened.
2. To initiate new programs
3. Faculties to enter Ph.D. Program

4. Research publication to be increased
5. Industrial collaboration to be increased

Opportunities:

1. To focus on specific area of research such as practical aspects of phyto-chemistry, isolation and characterization of active phytopharmaceuticals and to investigate its pharmacological activity to produce a novel drug.

Challenges

1. To motivate the faculty for progressive standard in higher education.
2. To focus more on research in emerging fields.

52. Future plans of the department.

1. To establish P.G. Department
2. To generate funds from various funding agencies like DST/UGC/ICMR etc.

Om Sakthi



ADHIPARASAKTHI COLLEGE OF PHARMACY

MELMARUVATHUR - 603 319, TAMIL NADU.

Phone : (044) 27529093 Mobile : 9003542444 Fax : (044) 27529196

Website : <http://apcp.in> ; Email : pharmacymlr@gmail.com

(Approved by AICTE, Recognised by Pharmacy Council of India and Affiliated to
The Tamil Nadu Dr. M.G.R. Medical University)



Accredited by "NAAC" with CGPA of 2.74 on a four point scale at "B" Grade

Arulthiru. **G.BANGARU ADIGALAR**

Founder President

Tmt. **V. LAKSHMI BANGARU ADIGALAR**

Vice - President

Dr. (Tmt.) **E. SRILEKHA**

Correspondent

Prof. Dr. T. Vetrichelvan, B.Pharm.(MMC), M.Pharm.(JU, Kolkata) & Ph.D.(TU),
Principal, Since 1996.

DECLARATION BY THE HEAD OF THE INSTITUTION

I Certify that the Data included in this Self-Study Report (SSR) are true to the Best of my knowledge.

This SSR is prepared by the Institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the Peer team visit.

Signature of the Head of the Institution

Dr.T.Vetrichelvan, M.Pharm., Ph.D. With Seal
Professor and Principal
Adhiparasakthi College of Pharmacy
Melmaruvathur-603 319
Tamilnadu, India.

Place : Melmaruvathur

Date : 10.02.2016



Om Sakthi

ADHIPARASAKTHI COLLEGE OF PHARMACY

MELMARUVATHUR - 603 319, TAMIL NADU.

Phone : (044) 27529093 Mobile : 9003542444 Fax : (044) 27529196

Website : <http://apcp.in> ; Email : pharmacymimr@gmail.com

(Approved by AICTE, Recognised by Pharmacy Council of India and Affiliated to
The Tamil Nadu Dr. M.G.R. Medical University)



Accredited by "NAAC" with CGPA of 2.74 on a four point scale at "B" Grade

Arulthiru. **G.BANGARU ADIGALAR**

Founder President

Tmt. **V. LAKSHMI BANGARU ADIGALAR**

Vice - President

Dr. (Tmt.) **E. SRILEKHA**

Correspondent

Dr. T. Vetrichelvan, B.Pharm.(M.M.C.), M.Pharm.(J.U., Kol.) & Ph.D.(T.U.)
Principal

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that **Adhiparasakthi College of Pharmacy** fulfils all norms:-

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body - AICTE and PCI
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date: 10.02.2016

Place: Melmaruvathur


Principal/Head of the Institution
(Name and Signature with Office seal)
Dr. T. Vetrichelvan, M.Pharm., Ph.D.,
Professor and Principal
Adhiparasakthi College of Pharmacy
Melmaruvathur-603 319
Tamilnadu, India.

BUILDING - FRONT VIEW



MODEL LABORATORY



HERBAL GARDEN



CPE PROGRAMME



STATE LEVEL PHARMACISTS CONFERENCE



CAMPUS INTERVIEW



ICMR SPONSORED SEMINAR



Ph.D. AWARDS



NOMINEES AND MEMBERS OF IAEC



DRUG SURVEY



INDUSTRIAL VISIT



NSS ACTIVITIES



YRC ACTIVITIES



SPIRITUAL ACTIVITIES



EYE CAMP



HEALTH AWARENESS CAMP



SCIENCE EXHIBITION



NATIONAL PHARMACY WEEK CELEBRATION



ALUMNI MEET



SPORTS MEET



STUDENTS AWARD



FESTIVAL CELEBRATIONS FRESHER'S DAY



PTA MEETING



VIGILANCE AWARENESS



WORKSHOPS





All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

F.No. Southern/1-2453629100/2015/EOA

Date: 07-Apr-2015

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2015-16

Ref: Application of the institution for Extension of approval for the academic year 2015-16

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-2453629100
		Permanent Id	1-4264311
Name of the Institute	ADHIPARASAKTHI COLLEGE OF PHARMACY	Institute Address	MELMARUVATHUR-603 319, KANCHIPURAM DISTRICT, TAMILNADU , MELMARUVATHUR, KANCHIPURAM, Tamil Nadu, 603319
Name of the Society/Trust	ADHIPARASAKTHI CHARITABLE MEDICAL EDUCATIONAL AND CULTURAL TRUST	Society/Trust Address	GST ROAD MELMARUVATHUR,MELMARUVATHUR,KANCHIPURAM,Tamil Nadu,603319
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

To conduct following courses with the intake indicated below for the academic year 2015-16

Application Number: 1-2453629100*

Page 1 of 3

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:10 April 2015

Printed By : ae447017

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All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Application Id: 1-2453629100			Course	Full/Part Time	Affiliating Body	Intake 2014-15	Intake Approved for 15-16	NET Approval status	PIC Approval status	Foreign Collaboration Approval status
Program	Shift	Level								
PHARMACY	1st Shift	POST GRADUATE	PHARMACEUTICAL ANALYSIS	FULL TIME	Tamilnadu Dr. M.G.R.Medical University, Chennai	18	18	NA	NA	NA
PHARMACY	1st Shift	POST GRADUATE	PHARMACEUTICAL CHEMISTRY	FULL TIME	Tamilnadu Dr. M.G.R.Medical University, Chennai	10	10	NA	NA	NA
PHARMACY	1st Shift	POST GRADUATE	PHARMACEUTICS	FULL TIME	Tamilnadu Dr. M.G.R.Medical University, Chennai	18	18	NA	NA	NA
PHARMACY	1st Shift	UNDER GRADUATE	PHARMACY	FULL TIME	Tamilnadu Dr. M.G.R.Medical University, Chennai	60	60	NA	NA	NA

Note: Validity of the course details may be verified at www.aicte-india.org>departments>approvals

The above mentioned approval is subject to the condition that ADHIPARASAKTHI COLLEGE OF PHARMACY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

Dr. Avinash S Pant
Actg Chairman, AICTE

Application Number: 1-2453629100*

Page 2 of 3

Note: This is a Computer generated Letter of Approval.No signature is required.

Letter Printed On:10 April 2015

Printed By : ae447017

Page 252



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-india.org

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Registrar,**
Tamilnadu Dr. M.G.R. Medical University, Chennai
4. **The Principal / Director,**
ADHIPARASAKTHI COLLEGE OF PHARMACY
MELMARUVATHUR-603 319,
KANCHIPURAM DISTRICT,
TAMILNADU,
MELMARUVATHUR,KANCHIPURAM,
Tamil Nadu,603319
5. **The Secretary / Chairman,**
ADHIPARASAKTHI CHARITABLE MEDICAL EDUCATIONAL AND CULTURAL TRUST
GST ROAD
MELMARUVATHUR,
MELMARUVATHUR,KANCHIPURAM,
Tamil Nadu,603319
6. **Guard File(AICTE)**



Application Number: 1-2453629100*

Note: This is a Computer generated Letter of Approval.No signature is required.

Printed By : ae447017

Page 3 of 3

Letter Printed On:10 April 2015

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PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

TELEGRAM : 'FARMCOUNCIL'
TELEPHONE : 23239184, 23231348
FAX No. : 011-23239184
E-MAIL : pci@ndb.vsnl.net.in
WEBSITE : www.pci.nic.in

Combined Councils' Building,
Temple Lane, Kotla Road
Aiwan-E-Ghalib Marg
Post Box No.7020
NEW DELHI - 110 002

Ref.No.32-123/2013-PCI 2158 60

Speed Post

✓ The Principal
Adhiparasakthi College of Pharmacy,
Melmaruvathur - 603 319
Distt. Kancheepuram (Tamil Nadu)

13 AUG 2013

Sub: Decision of 93rd /CC (July, 2013) of the PCI.

Ref: Our Letter No.32-123/2013-PCI/15247-49 dt.3.7.2013.

Sir/Madam

With reference to subject cited above, I am directed to inform that decision as conveyed vide PCI letter dated 3.7.2013 stands ratified by 93rd /CC of PCI held in July, 2013.

This is for your information and necessary action at your end.

Yours faithfully

Archana Mudgal
(ARCHNA MUDGAL)
Registrar-cum-Secretary

Cc to -

1. The Registrar,
The Tamil Nadu Dr.M.G.R.
Medical University,
No.69 (Old No.40), Anna Salai,
Guindy, P.B. No.1200
Chennai - 600 032 (Tamil Nadu)
2. The Registrar,
Tamil Nadu Pharmacy Council,
Block - E, 1st Floor,
Bharathiyar Complex, 100 feet
Inner Ring Road, Vadapalani,
Chennai - 600 026 (Tamil Nadu)

Archana Mudgal
(ARCHNA MUDGAL)
Registrar-cum-Secretary

21/08/13

PHARMACY COUNCIL OF INDIA

(Constituted under the Pharmacy Act, 1948)

TELEGRAM : 'FARM COUNCIL'
TELEPHONE : 23239184, 23231348
FAX No. : 011-23239184
E-MAIL : pci@ndb.vsnl.net.in
WEBSITE : www.pci.nic.in

Combined Councils' Building,
Temple Lane, Kotla Road
Aiwan-E-Ghalib Marg
Post Box No.7020
NEW DELHI - 110 002

Ref.No.32-123/2013-PCI

15247-49

Speed Post

The Principal
Adhiparasakthi College of Pharmacy,
Melmaruvathur - 603 319
Distt. Kancheepuram (Tamil Nadu)

-3 JUL 2013

Sub: Consideration of approval of B.Pharm course & examinations.

Sir,

This has a reference to the subject cited above. Please find attached herewith the decision of 249th Executive Committee meeting of PCI (May, 2013) in respect of your institution. The same are posted on Council's website www.pci.nic.in also.

For guidelines regarding "SIF submission last date" and "Affiliation fee", kindly refer to Council's website www.pci.nic.in

It is requested to follow the instructions of the PCI regarding submission of affiliation fee and Standard Inspection Form (SIF) within the stipulated time period as fixed by the PCI.

The recommendation of the Executive Committee will be placed in the next Central Council meeting of PCI for ratification.

This is for information.

Yours faithfully


(ARCHNA MUDGAL)
Registrar-cum-Secretary
Cc to -

1. The Registrar,
The Tamil Nadu Dr.M.G.R.
Medical University,
No.69 (Old No.40), Anna Salai,
Guindy, P.B. No.1200
Chennai - 600 032 (Tamil Nadu)
2. The Registrar,
Tamil Nadu Pharmacy Council,
Block - E, 1st Floor,
Bharathiyar Complex, 100 feet
Inner Ring Road, Vadapalani,
Chennai - 600 026 (Tamil Nadu)


(ARCHNA MUDGAL)
Registrar-cum-Secretary


08/7/2013

<u>Item No.</u> <u>Course</u> <u>IR No.</u>	<u>State/ File No.</u> <u>Name of institutions</u>	<u>For</u> <u>admsn.</u> <u>Limited</u> <u>to</u>	<u>Approved</u> <u>Upto Academic</u> <u>Session</u>	<u>Name of the Examining</u> <u>Authority</u>	<u>Other decisions</u>
Item No.-58 Degree IR No, 7 th (March,2013)	TAMIL NADU 32-123/2011-PCI Adhiparasakthi College of Pharmacy, Melmaruvathur - 603 319,Kancheepuram.	60	2015-2016	The Registrar The Tamil Nadu Dr. M.G.R. Medical University, No. 69, (Old No.40), P.B. No. 1200, Anna Salai, Guindy, Chennai-600 032	

At Madhav

08/1/13

General policy decision regarding submission of -

- a) affiliation fee
- b) duly attested affidavit/ undertaking to the effect that Institute will restrict admission to sanctioned intake by PCI.
- c) Continuing Education Programme (CEP) / training to teaching faculty.

(14-56/2011-PCI)

It was decided that wherever approval is granted for conduct of course / u/s 12 to Diploma / Degree / Pharm.D / Pharm.D (Post Baccalaureate) course in Pharmacy, same is subject to submission of -

- a) affiliation fee per annum to the PCI within the stipulated time period.
- b) duly attested affidavit to the effect that -
 - Institute will restrict admission to sanctioned intake by PCI & will not admit students beyond sanctioned intake without prior approval of the PCI.
 - Institute will not start additional Pharmacy Programme/start 2nd / evening / additional shift in the existing pharmacy institution.
 - Institution shall comply with statutory norms and standards prescribed by the PCI from time to time.
 - The entire consequences of failure to comply with the undertaking shall rest on the institution and PCI in no way shall be responsible for the same.

Further the PCI recommends that teaching faculty shall undergo at least 1 Continuing Education Programme / Training Programme every year and participate in atleast one seminar/conference every year. The institution shall intimate the number of such Continuing Education Programmes / Training Programmes / Seminar / Conference etc. attended by teaching staff during the last one year with documentary evidence i.e. participation certificate etc.





THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

No.69, ANNA SALAI, GUINDY, CHENNAI - 600 032.

Website : www.tnmgmu.ac.in Ph : 22353574, 22353576 - 79, 22301760 - 63, 22363094
E-mail : mail@tnmgmu.ac.in Fax : 91-44-22353698

**PROCEEDINGS OF THE REGISTRAR, I/C
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI - 600 032.**

PRESENT: Dr.P.ARUMUGAM, M.D.,

Proc.No.Affln.KJ/4575/2015

Dated: 27.10.2015

Sub:	Affiliation – The Tamil Nadu Dr.M.G.R Medical University, Chennai- B.Pharm. Degree Course – Adhiparasakthi College of Pharmacy, Melmaruvathur - Grant of Continuance of Provisional Affiliation for the academic year 2015-16 – Orders - Issued.
Ref:	1.This University's Proceedings No.Affln1(1)/58936/2013, dated 15.10.2014.
	2.Letter F.No.Southern/1-2453629100/2015/EOA dated 07.04.2015 from All India Council for Technical Education, New Delhi for 60 seats.
	3.Letter No.32-123/2013-PCI/2125860 dated 02.08.2013 for 60 seats from Pharmacy Council of India, New Delhi.
	4.Resolution No.44 passed at the 238 th meeting of the G.C held on 13.08.2015.
	5.This University's Lr. of even No., dated 11.09.2015.
	6.Lr.No.ACP/UNI/2014-2015/1736, dated 16.09.2015 received from Adhiparasakthi College of Pharmacy, Melmaruvathur.

ORDER :

In pursuance of the resolution of the Governing Council in the reference cited, the Tamil Nadu Dr. M.G.R. Medical University grants Continuance of Provisional Affiliation to Principal, Adhiparasakthi College of Pharmacy, Melmaruvathur for conducting B.Pharm. Degree Course for the academic year 2015-16, as indicated below subject to the usual conditions already communicated.

Name of the College	Name of the Course	Governing Council Resolution	Continuance of Provisional Affiliation granted for	Total Intake of Students
Adhiparasakthi College of Pharmacy, Melmaruvathur.	B.Pharm. Degree Course	Resolution No.44 passed at the 238 th meeting of the G.C held on 13.08.2015.	Academic Year 2015-16.	60 seats (sixty)

Note: To conduct entire B.Pharm. Degree Course.

:2:

2.The seats available in B.Pharm. Degree Course shall be filled as per the orders in force. The Management shall follow a transparent and reasonable method of admission for the management quota as per orders in force.

3.The admission procedure of the Government as per the scheme of admission enunciated by the Supreme Court of India should be followed.

4.The admission procedure as laid down in G.O. of Health and Family Welfare Department, should be followed. Any admission made over and above will not be permissible on any account.

5.The extended period of approval from All India Council for Technical Education, New Delhi should be produced after expiry of the renewal period to consider Continuance of Provisional Affiliation.

6.Any other conditions, which the University considers necessary to impose from time to time should be followed.

7.The receipt of the proceedings be acknowledged.

Dr.P.ARUMUGAM,
REGISTRAR. i/c.

To
The Principal,
Adhiparasakthi College of Pharmacy,
Melmaruvathur.

Copy to:

1. The Secretary,
All India Council for Technical Education,
7th Floor, Chandernag Building,
Janpath, New Delhi - 110 001.

2. The Secretary,
Pharmacy Council of India,
Combined Councils Building,
Temple Lane, Kotla Road, Aiwan-E-Ghalib Marg.,
Post Bag No.7020, New Delhi - 110 002.

3

:3:

3. The Secretary,
Health & Family Welfare Department,
Fort St. George, Secretariat, Chennai – 600 009.
4. The Director of Medical Education,
162, Periyar E.V.R. High Road,
Kilpauk Medical College and Hospital,
Kilpauk, Chennai – 600 010.
5. The Secretary,
Selection Committee & Additional
Director of Medical Education,
162, Periyar EVR High Road,
Kilpauk, Chennai – 600 010.
6. The Registrar,
Tamil Nadu Pharmacy Council,
Tamil Nadu Housing Board Complex, Block – E, First Floor,
Jawaharlal Nehru 100 Feet Inner Ring Road,
Vadapalani, Chennai – 600 026.
7. The Examination Wing (Pharmacy Section) of this University
8. The Academic Wing (Pharmacy Section) for
9. Stock file necessary action
10. Spare

FORWARDED BY ORDER



ASSISTANT REGISTRAR.

Be
30/10/15


31/10/2015



THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

No.69, ANNA SALAI, GUINDY, CHENNAI - 600 032.

Website : www.tnmgmu.ac.in Ph : 22353574, 22353576 - 79, 22301760 - 63, 22353094
E-mail : mail@tnmgmu.ac.in Fax : 91-44-22353698

PROCEEDINGS OF THE REGISTRAR. I/C.
THE TAMILNADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI - 600 032.

PRESENT: Dr.P.ARUMUGAM, M.D.,

Proc.No.Affln.I(1)45757/2015

Dated: 27.10.2015

Sub:	Affiliation – The Tamil Nadu Dr.M.G.R Medical University, Chennai- M.Pharm. Degree Course – Adhiparasakthi College of Pharmacy, Melmaruvathur - Grant of Continuance of Provisional Affiliation for the academic year 2015-16 – Orders – Issued.
Ref:	1.This University's Proceedings No.Affln.I(1)58936/2013, dated 30.10.2014. 2.Letter F.No.Southern/1-2453629100/2015/EOA dated 07.04.2015 from All India Council for Technical Education, New Delhi for 46 seats. 3.Resolution No.19 passed at the 235 th meeting of the G.C held on 16.04.2015. 4.This University's Lr. of even No., dated 11.09.2015. 5.Lr.No.ACP/UNI/2014-2015/1736, dated 16.09.2015 received from Adhiparasakthi College of Pharmacy, Melmaruvathur.

ORDER:

In pursuance of the resolution of the Governing Council in the reference 3rd cited, the Tamil Nadu Dr. M.G.R. Medical University grants Continuance of Provisional Affiliation to Adhiparasakthi College of Pharmacy, Melmaruvathur for conducting M.Pharm. Degree course for the academic year 2015-16, as indicated below subject to the usual conditions already communicated.

Name of the College	Name of the Course	Governing Council Resolution	Continuance of Provisional Affiliation granted for	Total Intake of Students
Adhiparasakthi College of Pharmacy, Melmaruvathur.	M.Pharm. Degree Course	Resolution No.19 passed at the 235 th meeting of the G.C held on 16.04.2015.	a) Academic year 2015-16 b) Branches:- i. Pharmaceutics ii. Pharmaceutical Chemistry iii. Pharmaceutical Analysis Total	18 seats 10 seats 18 seats 46 seats
Batch : To conduct entire M.Pharm. Degree Course				

:2:

2.The seats available in M.Pharm Degree Course shall be filled as per the orders in force. The Management shall follow a transparent and reasonable method of admission for the management quota as per orders in force.

3.The admission procedure of the Government as per the scheme of admission enunciated by the Supreme Court of India should be followed.

4.The admission procedure as laid down in G.O. of Health and Family Welfare Department, should be followed. Any admission made over and above will not be permissible on any account.

5.The extended period of approval from All India Council for Technical Education, New Delhi should be produced after expiry of the renewal period to consider Continuance of Provisional Affiliation.

6.Any other conditions which the University considers necessary to impose from time to time should be followed.

7. The receipt of the proceedings may be acknowledged.

Dr.P.ARUMUGAM,
REGISTRAR. etc.

To

The Principal,
Adhiparasakthi College of Pharmacy,
Melmaruvathur-603 319.

Copy to:

1. The Secretary,
All India Council for Technical Education,
7th Floor, Chanderlok Building,
Janpath, New Delhi – 110 001.
2. The Secretary,
Pharmacy Council of India,
Combined Councils Building,
Temple Lane, Kotla Road,
Aiwan-E-Ghalib Marg,
Post Bag No.7020, New Delhi – 110 002.

—3

:3:

3. The Secretary,
Health & Family Welfare Department,
Fort St.George, Secretariat, Chennai – 600 009.
4. The Director of Medical Education,
162, Periyar E.V.R. High Road,
Kilpauk Medical College and Hospital,
Kilpauk, Chennai – 600 010.
5. The Secretary,
Selection Committee & Additional
Director of Medical Education,
162, Periyar EVR High Road,
Kilpauk, Chennai – 600 010.
6. The Registrar,
Tamil Nadu Pharmacy Council,
Tamil Nadu Housing Board Complex, Block – E, First Floor,
Jawaharlal Nehru 100 Feet Inner Ring Road,
Vadapalani, Chennai – 600 026.
7. The Examination Wing (Pharmacy Section) {} of this University
8. The Academic Wing (Pharmacy Section) {} for
9. Stock file {} necessary action
10. Spare

FORWARDED BY ORDER

[Handwritten Signature]
30/10/15

ASSISTANT REGISTRAR.

[Handwritten Signature]
30/10/15

[Handwritten Signature]
31/10/15

