

# INSTITUTIONAL ACCREDITATION OF SELF ASSESSMENT REPORT

Submitted to



## NATIONAL BOARD OF ACCREDITATION

By



# SRI VENKATESWARA COLLEGE OF PHARMACY

Approved by PCI & AICTE, New Delhi,  
Permanently Affiliated to JNTUA, Ananthapuramu,  
Recognized under section 2(f) & 12(B) of UGC Act, 1956  
JNTUA Approved Research Centre for Pharmaceutical Sciences  
Recognized In-House R & D by DSIR, New Delhi

**RVS Nagar, Tirupati Road, Chittoor-517 127 (A.P.) – INDIA**

## SRI VENKATESWARA COLLEGE OF PHARMACY

**Dr. K. Bhaskar Reddy, M.Pharm., Ph.D.**  
**Professor & Principal**

Ref.No. 54-18/PO/SVCP/2016

Date: 12-02-2016

To  
The Director  
National Board of Accreditation,  
4th Floor East Tower,  
NBCC Place Bhisham Pitamah Marg,  
Pragati Vihar  
New Delhi 110003

Respected Sir/Madam,

**Sub:** Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor, Andhra Pradesh – Submission of the Self Assessment Report (SAR) – Institutional Assessment and Accreditation by NBA- Regarding.

**Ref:** Application No. 867-28/04/2014.

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With respect to the subject and reference cited above, herewith we are submitting the Self Assessment Report (SAR) including 2014-15. The above said SAR has been uploaded in the NBA website ([www.nba.org](http://www.nba.org)) and also in our college website ([www.svcop.in](http://www.svcop.in)).

Self Assessment Report for Sri Venkateswara College of Pharmacy is hereby submitted for your kind consideration for Institutional assessment and accreditation by NBA through the peer team.

This is for your kind information.

Thanking you,

Yours faithfully



**PRINCIPAL**  
Principal

Sri Venkateswara College of Pharmacy  
R.V.S. Nagar, Chittoor.



# **NATIONAL BOARD OF ACCREDITATION**

## **FORMAT FOR SELF ASSESSMENT REPORT (SAR) FOR ACCREDITATION OF PHARMACY UG PROGRAMMES (TIER-II)**

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NBCC Place Bhisham Pitamah Marg,  
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**(January, 2016)**

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**Self Assessment Report (SAR)**

**Part A**

**I. Institutional Information**

*I.1. Name and address of the institution and affiliating university:*

**SRI VENKATESWARA COLLEGE OF PHARMACY,**

RVS NAGAR, TIRUPATHI ROAD,

CHITTOOR - 517127

ANDHRA PRADESH, INDIA

Affiliated by

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR**

ANANTHAPURAMU- 515 002

ANDHRA PRADESH, INDIA.

*I.2. Name, designation, telephone number, and e-mail address of the contact person for the NBA:*

**Name : Dr. K.BHASKAR REDDY**

**Designation : Professor & Principal**

**Telephone No. : 08572 – 245793**

**Fax No. : 08572 – 245794**

**Mobile No. : +91 – 7729999180, 9176688999**

**E-mail .Id : svcpprincipal@yahoo.com**

**bhaskura@gmail.com**

*I.3. History of the institution (including the date of introduction and number of seats of various programmes of study along with the NBA accreditation, if any) in a tabular form:*

Year	Description
<b>2007</b>	<ul style="list-style-type: none"> <li>• Institution has initiated the Bachelor of Pharmacy (B.Pharm) programme with an intake of 60 seats</li> </ul>
<b>2010</b>	<ul style="list-style-type: none"> <li>• Intake for the existing programme (B.Pharm) was increased to 100 seats with the approval by AICTE</li> </ul>
<b>2011</b>	<ul style="list-style-type: none"> <li>• New Programme : Master of Pharmacy (M.Pharm) was started with the following specialization approved by AICTE, New Delhi and Jawaharlal Nehru Technological University Anantapur, Ananthapuramu                             <ul style="list-style-type: none"> <li>➤ Pharmaceutics - 18 seats</li> <li>➤ Pharmaceutical Analysis &amp; Quality Assurance - 18 seats</li> <li>➤ Pharmacology - 18 seats</li> </ul> </li> </ul>
<b>2012</b>	<ul style="list-style-type: none"> <li>• Intake of the existing programme (B.Pharm) was increased to 100 seats with approval from Pharmacy Council of India, New Delhi.</li> <li>• New Programme: M.Pharm. with specialization in Pharmacy Practice was started with intake of 18 seats</li> <li>• Introduction of Pharm.D (Doctor of Pharmacy) six years programme was started with approval by Pharmacy Council of India with intake of 30 seats</li> </ul>
<b>2014</b>	<ul style="list-style-type: none"> <li>• New programme: Pharm.D. (Post Baccalaureate) three years programme was started with a sanctioned intake of 10 seats by Pharmacy Council of India.</li> </ul>
<b>2014</b>	<ul style="list-style-type: none"> <li>• New Programme: Ph.D (Pharmaceutical Sciences) three years programme was started with a sanctioned intake of 5 seats by Jawaharlal Nehru Technological University Anantapur, Ananthapuramu</li> </ul>

### History of the Institution

*I.4. Ownership status: Govt. (central/state) / trust / society (Govt./NGO/private) / private/ other:*

Private Self Financing College run by **SRINIVASA EDUCATIONAL ACADEMY**, RVS Nagar, Chittoor, and a Society registered under Societies Registration Act 1860.

## *1.5. Mission and Vision of the Institution:*

### **MISSION**

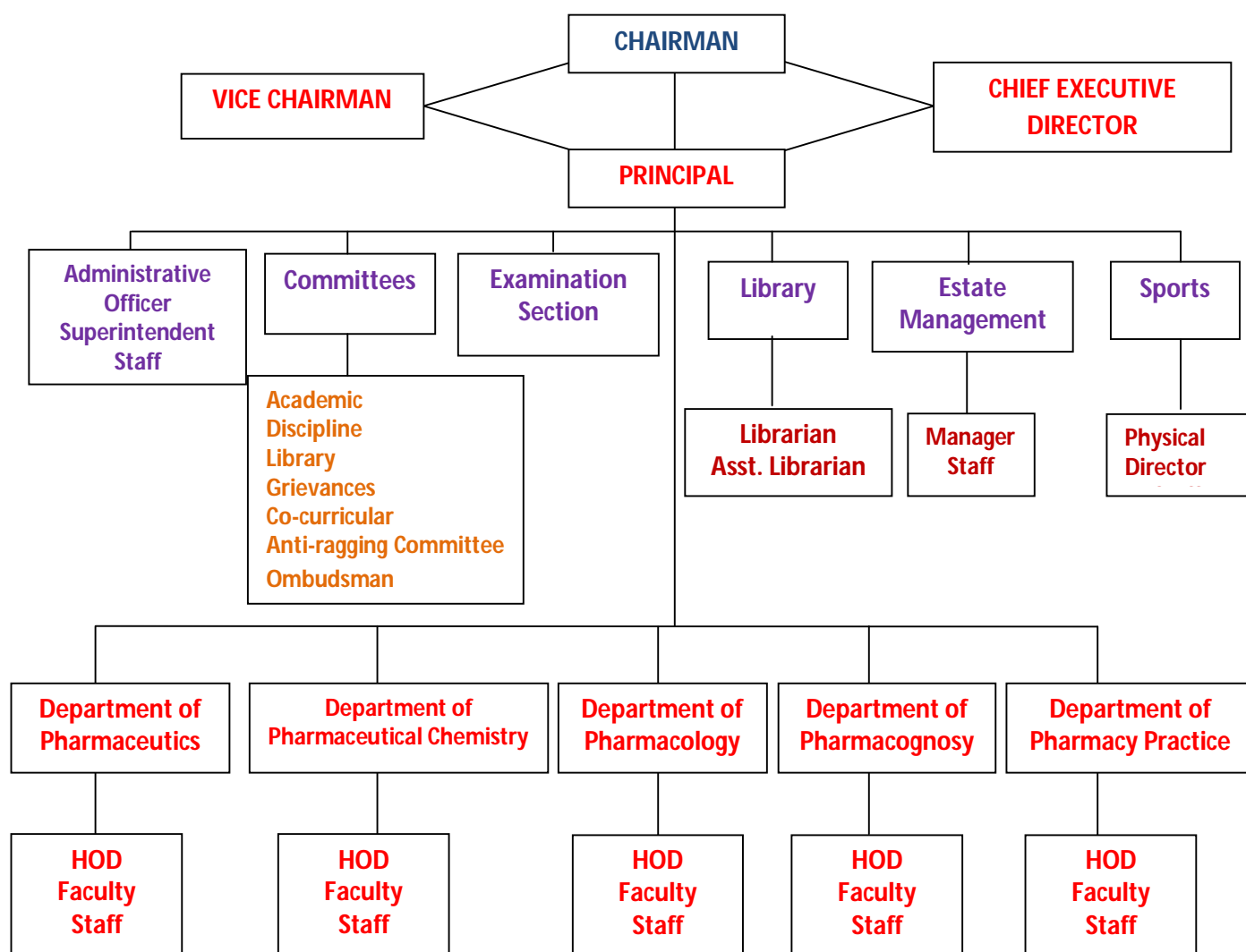
Providing Quality Education, student-centered Teaching-learning processes and state-of-art Infrastructure for professional aspirants hailing from both rural and urban areas.

Imparting technical education that encourages Independent thinking, develops strong domain of knowledge, hones contemporary skills and Positive attitudes towards holistic growth of young minds. Evolving the Institution into a Center of Academic and Research Excellence in Pharmaceutical Education and will be world leader in the field of pharmaceutical sciences and pharmacy practice with the mission of strengthening the healthcare of the country.

### **VISION**

Carving the youth as dynamic, competent, valued and knowledgeable Professionals, who shall lead the Nation to a better future.

## *1.6. Organizational Structure:*



**Organizational chart showing the hierarchy of academics & administration**

*I.7. Financial status: Govt. (central/state) / grants-in-aid / not-for-profit / private self financing / other:*

### Private Self Financing

*I.8. Nature of the trust/society:*

Also, list other institutions/colleges run by the trust/society.

SRINIVASA EDUCATIONAL ACADEMY had been formed in 1998 by a team of 25 philanthropists with a vision for future to setup and promotes such educational institutions of excellence that would reorient general, technical and professional education with a holistic approach. Assimilating the advances made in various areas of activity and considering the educational needs of the region, many institutions dealing with various academic disciplines have been started.

S.No.	Name of the Institution	Courses	Year of Estb.
1.	Sri Ravuri Kanakaiah Memorial Law College, Chittoor	Law	1991
2.	Sri Venkateswara College of Engineering & Technology, Chittoor	M.Tech., B.Tech., MCA, MBA & Polytechnic	1998
3.	Sri Venkateswara College of Computer Science, Chittoor	MCA & MBA	1999
4.	Sri Venkateswara College of Nursing, Chittoor	B.Sc., Nursing	2002
5.	Sri Venkateswara College of Education, Chittoor	M.Ed., & B.Ed.,	2003
6.	Chilkur Balaji Institute of Technology, Hyderabad	B.Tech., & MBA	2006
7.	Sri Venkateswara College of Pharmacy, Chittoor	B.Pharm., Pharm.D. M.Pharm.,	2007
8.	Chilkur Balaji College of Pharmacy, Hyderabad	B.Pharm., Pharm.D, M.Pharm	2007
9.	Chilkur Balaji College of Computer Sciences, Hyderabad	MCA	2007
10.	RVS School of Nursing, Chittoor	GNM	2012
11.	Sri Venkateswara PG College of Nursing, Chittoor	M.Sc., Nursing	2013
12.	Sri Venkateswara College of Nursing (PBB.Sc), Chittoor	PB.B.Sc., Nursing	2013

### Educational Institutions runs by Srinivasa Educational Academy, Chittoor

*I.9. External sources of funds:*

Name of the external source	CFY	CFYm1	Amt. in Rs. Lakhs	
			CFYm2	CFYm3
<b>Grants A.P.Pollution Control</b>	-	-	-	90400
<b>DST</b>	4031333	3955000	-	-
<b>NSS Grant</b>	42500	51000	-	-



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## *I.10 Internally acquired funds:*

Name of the internal source	CFY	Amt. in Rs. Lakhs			
		CFYm1	CFYm2	CFYm3	CFYm4
<b>Student Fee</b>	20200800	18413007	9670530	7160610	4386058

## *I.11 Scholarships or any other financial assistance provided to students?*

(a).SC/ST/BC/EBC Scholarships from A.P. State Government:

Details	CAY	CAYm1	CAYm2	CAYm3	CAYm4
<b>Category</b>	6	6	6	6	6
<b>Scholarship Assistance</b>	178	216	190	160	114
<b>Amount</b>	<b>66,50,500.00</b>	<b>95,04,400.00</b>	<b>88,06,100.00</b>	<b>9,40,500.00</b>	<b>37,99,000.00</b>

## *I.12 Basis/criterion for admission to the institution:*

All India entrance / state- level entrance / university entrance / 12<sup>th</sup> standard mark sheet / others:

70% of Seats are filled by **APSCHE** based on a state level Entrance **EAMCET**  
30% of Seats are filled under Management quota as per **APSCHE** guidelines.

\***APSCHE** – Andhra Pradesh State Council for Higher Education.

**EAMCET**- Engineering, Agriculture and Medical Common Entrance Test

## *I.13 Total number of pharmacy students:*

Pharmacy		2014-15	2013-14	2012-13	2011-12
<b>Total No. of Boys</b>	UG	128	119	93	82
	PG	7	12	20	11
<b>Total No. of Girls</b>	UG	141	139	117	99
	PG	10	08	13	07
<b>Total No. of Students</b>	UG	269	258	210	181
	PG	17	20	33	18

### Pharmacy Students

Total number of other students, if any

	2014-15	2013-14	2012-13	2011-12	2010-09
Pharm.D. (Boys)	25	22	15	-	-
Pharm.D. (Girls)	50	34	11	-	-
Total No. of Students in Pharm.D.	<b>75</b>	<b>56</b>	<b>26</b>	-	-

### Other Students

*I.14 Total number of employees*

(Instruction: Total number of employees, both men and women, has to be listed here. The data may be categorized in a tabular form as teaching and supporting staff.)

Minimum and maximum number of staff on roll in the pharmacy institution, during the CAY and the previous CAYs (1<sup>st</sup> July to 30<sup>th</sup> June):

A. Regular Staff

Items		CAY 2014-15		CAY 2013-14		CAYm1 2012-13		CAYm2 2011-12		CAYm3 2010-11	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Teaching staff in pharmacy	M	22	21	22	21	22	21	13	13	11	11
	F	20	21	20	21	20	21	7	7	7	7
Teaching staff in science & humanities	M	0	0	0	0	0	0	0	0	0	0
	F	1	1	1	1	1	1	1	1	1	1
Non-teaching Staff	M	11	10	12	10	12	10	10	10	13	13
	F	12	12	10	12	10	12	08	08	06	06

(Instruction: Staff strength, both teaching and non-teaching, over the last three academic years has to be listed here.)

B. Contract Staff: **NIL**

II. Programme Specific Information

*II.1. Name of the Programme*

**Bachelor of Pharmacy,  
B.Pharmacy,  
B.Pharm.**

(List name of the programme, as it appears on the graduate's certificate and transcript, and abbreviation used for the programme.)

*II.2. Title of the Degree*

(List name of the degree title, as it appears on the graduate's certificate and transcript, and abbreviation used for the degree.)

**Bachelor of Pharmacy,  
B.Pharmacy,  
B.Pharm.**

II.3. Name, designation, telephone number, and e-mail address of the Programme coordinator for the NBA:

Name	: <b>Dr. K.BHASKAR REDDY</b>
Designation	: <b>Professor &amp; Principal</b>
Telephone No.	: 08572 – 245793
Fax No.	: 08572 – 245794
Mobile No.	: +91 – 7729999180, 9176688999
E-mail .Id & principal@svcop.in	: svcpprincipal@yahoo.com principal@svcop.in

II.4. History of the programme along with the NBA accreditation, if any:

Programme of Study	Description
<b>B.Pharmacy</b>	<ul style="list-style-type: none"> <li>Started with 60 seats in the year 2007</li> <li>Intake Increased to <b>100</b> in 2010</li> <li>Accreditation applied in 2013</li> </ul>

**Department History**

II.5. Deficiencies, weaknesses/concerns from previous accreditations: **Not Applicable**

II.6. Total number of students in the programme:

Pharmacy		2014-15	2013-14	2012-13	2011-12
Total No. of Boys	UG	128	149	117	88
Total No. of Girls	UG	141	169	119	89
Total No. of Students	UG	<b>269</b>	<b>318</b>	<b>236</b>	<b>177</b>

**Pharmacy Students**

II.7. Minimum and maximum number of staff for the current and three previous academic years (1st July to 30th June) in the programme:

Items	CAY 2014-15		CAY 2013-14		CAYm1 2012-13		CAYm2 2011-12		CAYm3 2010-11	
	Min.	Max	Min	Max.	Min	Max	Min.	Max.	Min.	Max
Teaching staff with the programme	68	69	57	56	43	42	21	21	19	19
Non-teaching staff	23	22	22	18	22	18	18	20	19	19

## NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

### *II.8. Summary of budget for the CFY and the actual expenditure incurred in the*

Items	Budgeted in CFY 2014-15	Actual expenses In CFY	Budgeted in CFYm1 2013-14	Actual expenses In CFYm1 (till...)	Budgeted in CFYm2 2012-13	Actual Expenses In CFYm2	Budgeted in CFYm3 2011-12	Actual Expense s In CFYm3
Laboratory equipment	26,34,555	24,50,000	45,01,715	23,13,022	43,20,500	27,35,89	34,60,955	1,96,560
Software	2,00,000	1,55,000	5,000,00	-	-	-	-	-
Laboratory consumables	7,00,000	6,50,000	3,000,00	1,70,871	3,00,000	2,25,000	3,00,000	67,000
Maintenance and spares	35,00,000	33,23,290	1,70,000	1,70,040	1,50,000	90,751	2,50,000	92,091
Training and Travel	2,00,000	1,54,850	20,000	84,874	40,000	37,083	1,25,000	88,833
Miscellaneous expenses for academic activities	8,00,000	5,92,000	22,06,500	13,13,056,	20,05,400	24,00,087	9,16,000	6,45,581
<b>Total</b>	<b>80,34,555</b>	<b>73,25,140</b>	<b>76,98,215</b>	<b>40,51,863</b>	<b>68,15,900</b>	<b>54,88,817</b>	<b>50,51,955</b>	<b>10,90,065</b>

*CFYm1, CFYm2 and CFYm3 (exclusively for this programme in the department):*

**PART B**

**1. Vision, Mission and Programme Educational Objectives (75)**

**1.1. Vision and Mission (5)**

**1.1.1. State the Vision and Mission of the institute and department (1)**

Sri Venkateswara College of Pharmacy (SVCP) established in the year of 2007, it is a self financing institution found by Srinivasa Educational Academy, RVS Nagar, Chittoor.

**The vision of the SVCOP is:**

Carving the youth as dynamic, competent, valued and knowledgeable Professionals, who shall lead the Nation to a better future.

**The Mission of the SVCOP is:**

Providing Quality Education, student-centered Teaching-learning processes and state-of-art Infrastructure for professional aspirants hailing from both rural and urban areas.

Imparting technical education that encourages Independent thinking, develops strong domain of knowledge, hones contemporary skills and Positive attitudes towards holistic growth of young minds.

Evolving the Institution into a Center of Academic and Research Excellence in Pharmaceutical Education and will be world leader in the field of pharmaceutical sciences and pharmacy practice with the mission of strengthening the healthcare of the country.

**1.1.2. Indicate how and where the Vision and Mission are published and disseminated (2)**

The Mission and Vision are published at

- ❖ *College website* <http://www.svcop.in/>
- ❖ *Curriculum books (Academic Calendar)*
- ❖ *Notice boards*

Apart from this, Mission and Vision is disseminated to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs, and parent meetings.

**1.1.3. Mention the process for defining Vision and Mission of the department (2)**

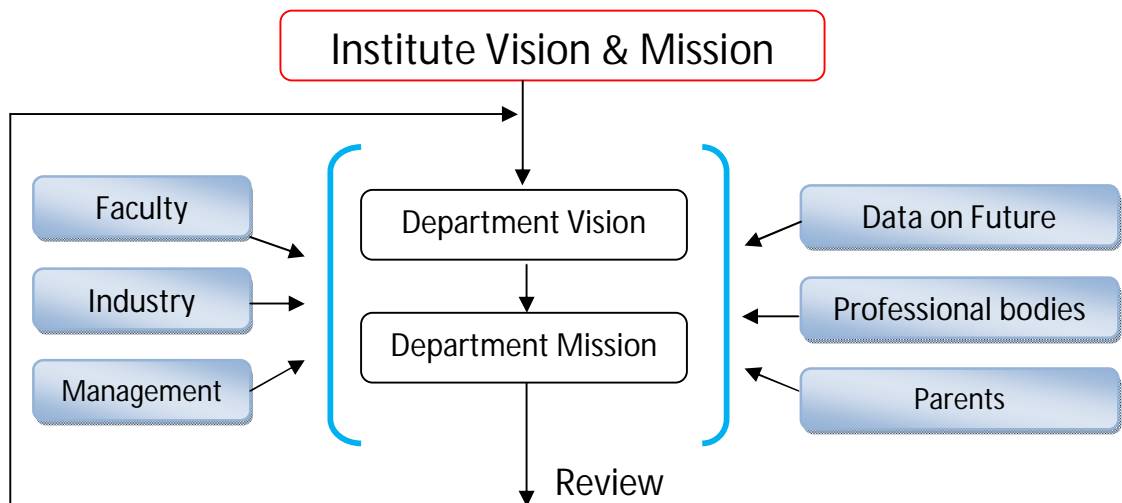
The department established the vision and mission through a consultative process involving the stakeholders of the department, the future scope of the department and the societal requirements as shown in Figure 1.1. In establishing the vision and mission of the

department, the following steps were followed:

**Step 1:** Vision and Mission of the institute are taken as an origin.

**Step 2:** Views are taken from stakeholders of the Department such as industry, management, parents and professional bodies

**Step 3:** The accepted views are analyzed and reviewed to check the consistency with the vision and mission of the institute.



**Process for defining Vision and Mission of the Department**

## 1.2. Programme Educational Objectives (10)

### 1.2.1. Describe the Programme Educational Objectives (PEOs) (2)

Program Educational Objectives (PEOs) of the B.Pharmacy are established through a consultation process as described in Sec.1.2.4 and these address the following broad aspects.

*“What our graduates could do best”*

*“How our graduates would approach problem solving, using what skills”*

*“What values our graduates should have”*

### 1.2.1. Describe the Programme Educational Objectives (PEOs) (2)

**PEO 1: Knowledge:** Graduates of the program will be having strong theoretical background along with necessary skillset in pharmaceutical sciences and able to use these tools in Pharmaceutical industry, hospitals and institutes or where ever in the area of profession they choose necessary for success.

**PEO 2: Core Competence:** To provide students with a solid foundation in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy fundamentals as per the requirement of Pharmaceutical Industries, Community and Hospital Pharmacy. The Program aims to make students competent for future.

**PEO 3: Breadth:** To train students with good knowledge along with practical efficiency in Pharmacodynamics, pharmacokinetics, Drug properties, synthesis, molecular modelling, formulation & development, analytical aspects in research and design. Extend this knowledge to create novel Herbal & Synthetic Pharmaceutical products for the benefit of life.

**PEO 4: Preparation:** The philosophy of the institute is to prepare students to excel in postgraduate programmes and also to succeed in Pharmaceutical industry or in the profession wherever the student chose through innovative teaching methodologies that engage students in self learning.

**PEO 5: Professionalism:** To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.

**PEO 6: Evaluation:** Graduates of the program will be able to evaluate pros and cons, benefits and deficiencies of the matter they studied, pharmaceutical technology they learned and ideology they observed in the field of Pharmaceutical sciences.

## 1.2.2. State how and where the PEOs are published and disseminated (2)

(Describe in which media, e.g. websites, curricula books, the PEOs are published and how these are disseminated among stakeholders.)

The Mission and Vision are published at

- ❖ *College website* <http://www.svcop.in/>
- ❖ *Curriculum books (Academic Calendar)*
- ❖ *Notice boards*

Apart from this, Mission and Vision is disseminated to all the stakeholders of the programs through faculty meetings, student awareness workshops, student induction programs, and parent meetings.

## 1.2.3. List the stakeholders of the programme (1)

(List stakeholders of the programme under consideration for accreditation and articulate their relevance.)

Our program has identified the following constituencies as Student, Alumni, Industry, Faculty, Employer and Parents.

### Student

- ❖ Most prominent role in the program.
- ❖ Student's feedback is considered to introduce innovative teaching and learning methodologies.

### Faculty

- ❖ Faculty involves in various committees to check the consistency of the program.
- ❖ Faculty provides inputs for designing the program, PEOs/POs establishment, Course Objectives and assessment.

### Alumni

- ❖ Focus group because they are a measure of the long-term success of our program.
- ❖ Alumni feedback helps in curriculum design to meet recent trends in pharmaceutical sciences.
- ❖ Recollect their existence during their program study and advise the department with necessary inputs in point of student career.

### Employer

- ❖ Represents the major end users of our graduates.
- ❖ Gives higher focus to the program on future data to create awareness with current industry.
- ❖ Gives inputs which overcome the gap between program and industry.

### Parents

- ❖ Expects their wards in good professional career and higher education.

#### **1.2.4. State the process for establishing the PEOs (3)**

The Program Educational Objectives are established through a consultation process involving the core constituents such as: **Students, Alumni, Industry, Faculty and Employer.**

**The PEOs are established through the following process steps:**

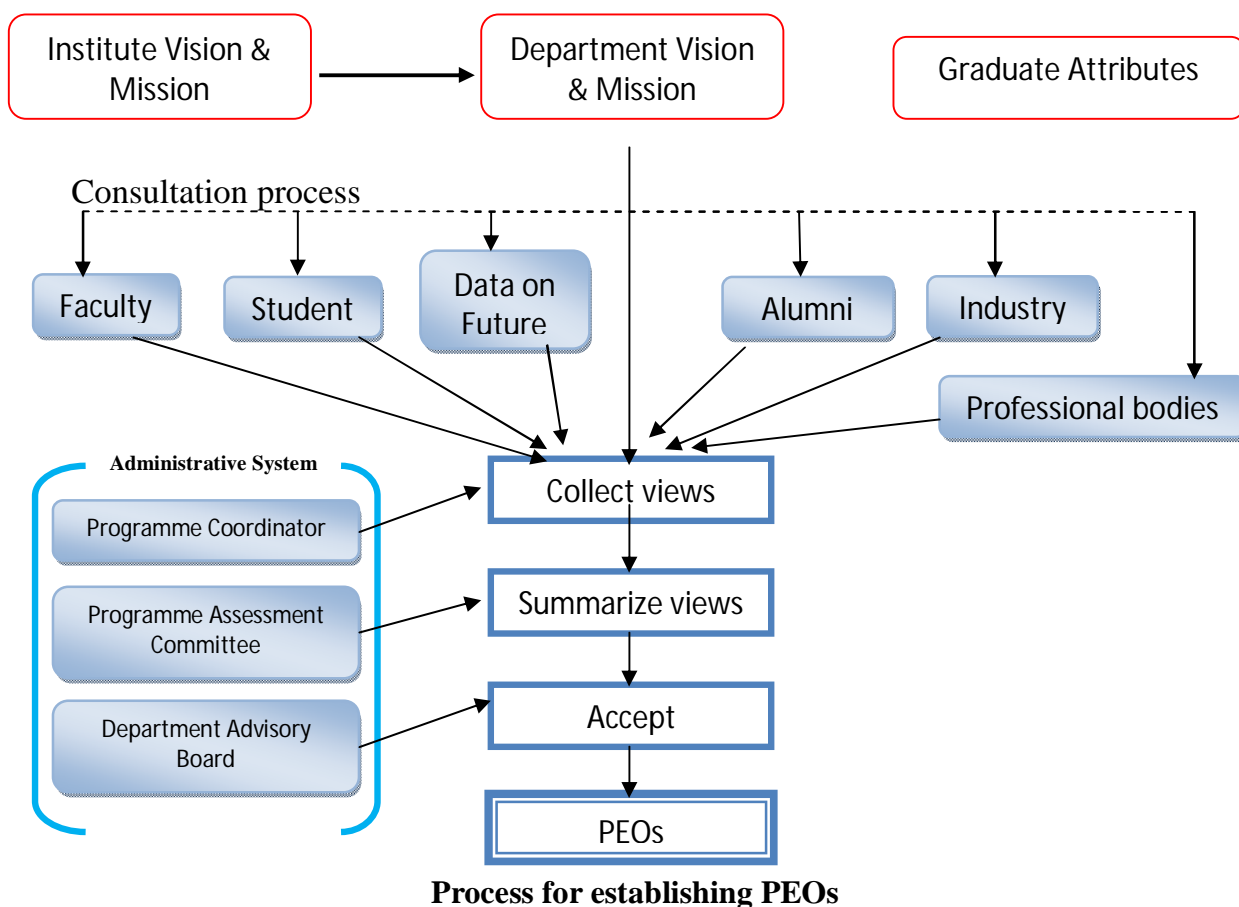
**Step 1:** Vision and Mission of the Department are taken as a basis to interact with various stake holders and graduate attributes defined by NBA are also kept in view.

**Step 2:** Program Coordinator consults the key constituents and collects their views and submits the views to Program Assessment Committee.

**Step 3:** Program Assessment Committee summarizes the collected views and expresses its opinion on the views and forwards the same to Department Advisory Board.

**Step 4:** Department Advisory Board deliberates on the views expressed by the Program Assessment Committee and formulates the accepted views based on which PEOs are to be established.





**1.2.5. Establish consistency of the PEOs with the Mission of the institute (2)**

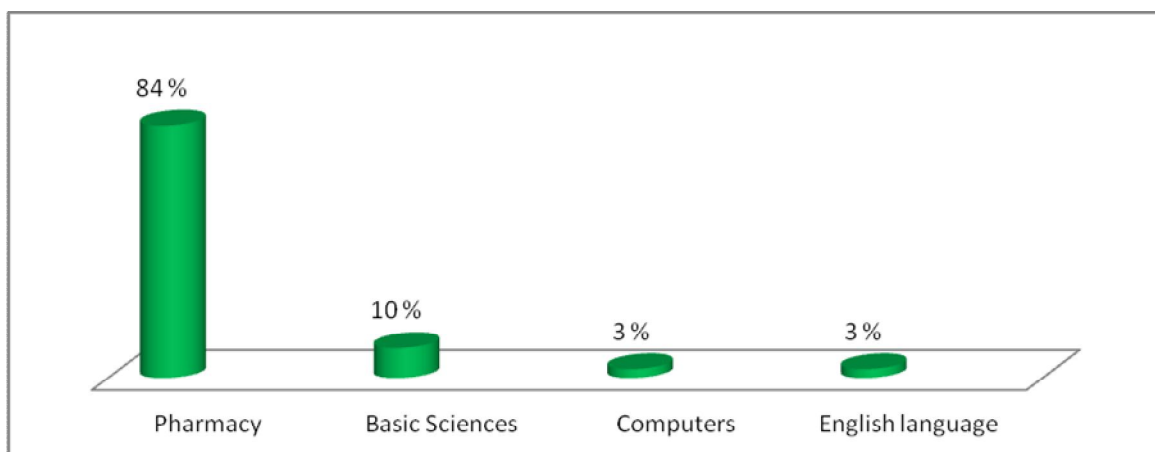
*(Describe how the Programme Educational Objectives are consistent with the Mission of the department)*

**1.3. Achievement of Programme Educational Objectives (20)**

**1.3.1. Justify the academic factors involved in achievement of the PEOs (10)**

The Programme curriculum plays a major role to prepare the students in achieving PEOs. The relevance of the course components in achieving PEOs is shown in the following Table.

Course Component	PEOs	Curriculum Content (% of total number of credits in the program)
Pharmacy Core Subjects	PEO I, PEO II, PEO III, PEO IV	84 %
Basic Sciences	PEO I, PEO IV, PEO V	10 %
Computers	PEO III, PEO IV, PEO V	3 %
English Language & communication Skills	PEO V, PEO VI	3 %



**Lesson plan and Laboratory Work: -**

- Lesson plans are prepared at the beginning of the each semester, which includes Mock tests and bridge classes. Seminar topics are also allotted to students to improve their presentation skills.
- Laboratory plans are prepared for each laboratory course. This plan includes number of experiments as prescribed in the curriculum. Apart from this, two additional experiments/case studies are included in the plan. Laboratory manuals are prepared for all the experiments in the plan and are provided to the students at the time of practical. Viva-voce is taken at the end of the laboratory. Besides the university examinations additional mock tests and weekly tests are conducted to achieve the identified PEOs.
- Test question papers are set based on the question banks available. Test papers are assessed based on the model solutions.

**Assessment of additional curriculum: -**

- Institute has created and implemented an additional curriculum for each programme.
- Institute has a provision of additional tests/examinations to examine the additional subject topics covered in the additional curriculum to achieve the identified PEOs. At the end of the additional course, the tests are conducted for assessment of the course objectives.
- Test papers are assessed on the basis of model solutions and the corrected scripts are distributed to students.
- *Special feedback forms are designed to take feedback from following stake holders:*
  - 1) Industries, where students of this college are working.
  - 2) Alumni of the institute.
  - 3) Parents
- *Based on the feedback received & suggestions made by them are considered for development of:*
  - 1) Development of labs with the addition of new equipments and procurement of rare chemicals.
  - 2) Development of Infrastructure.
  - 3) Additional Curriculum Development.
  - 4) Development of Training & Placement activities.
  - 5) Implementing novel teaching methodologies, Effectiveness of Teaching & Learning Process.

## 1.3.2. Explain how the administrative system helps in ensuring the achievement of the PEOs (10)

(Describe the committees and their functions, working process and related regulations.)

Various committees are formed in the College for the smooth and efficient management of activities. It also gives the opportunity to the faculty to grow and develop in their extracurricular activity/field and administrative skills. The committees are constituted by the Principal in consultation with HODs for one semester or until new committees are constituted.

### **The procedure followed for constituting a committee is as follows: -**

A notice is circulated among the faculty inviting their choice of preference of committee. If the preference made by the faculty is found suitable by the team (Principal and HOD) they approve the same. In case of any tie or any mismatch, the team reassigns the staff member.

### **COLLEGE ACADEMIC COMMITTEE: -**

- To oversee the implementation, management and monitoring of the Institute's quality enhancement strategy.
- The committee also advises the faculty members related to educational activities of the college.
- Verification of Course Planners submitted to the College academic committee before the commencement of the semester.
- Overviews the class room and laboratory instructions for various subjects by different faculties
- Allotment of workloads and preparation of time table as per the university curriculum. Allotment of classrooms and labs.
- Planning and coordinating for the successful conduct of quality seminars and in house projects.

### **EXAMINATION COMMITTEE**

- The Examination Committee shall function under the guidance of Examination Incharge
- The committee is responsible for the smooth conduct of internal and university end examinations and therefore makes all arrangements and is responsible for the due execution of all processes connected with.
  - Preparing Mid-term exam schedules as per academic calendars of JNTUA
  - Reserving suitable exam halls and assigning invigilators
  - Collecting evaluated papers and mark lists from respected faculty
  - Maintenance of all records related to Mid examination
  - Registration of students for final exams through Examination Management System provided by JNTUA
  - Committee should ensure the uploading of internal marks in the university web portal before the commencement of end exams
  - Appointment of internal and External Examiners for Practical Exams
  - Downloading of question papers provided through Electronic Distribution of Examination Papers (EDEP) by JNTUA

- Display of Results in the college notice board as declared by the University
- Issue of Marks Memo awarded by the University
- Statistical Analysis of Results
- Maintaining the record of each and every issue related to the examination.

### VICE PRINCIPAL - ACADEMIC

- Providing job description to the Faculty members.
- Coordinating with library committee to ensure availability of all the required books as per syllabus before commencement of each semester.
- Preparation, updation and standardization Lab manuals along with senior professors in the Department one month before the commencement of the Semester.
- Collection & verification of Course material & PPT certified by academic committee of the department from all the faculty members of the department.
- Ensuring completion of syllabus on time & weekly verification of syllabus completion status.
- Periodic verification of academic responsibilities of the faculty members in the Department.
- Preparation of time table and its display on the concerned class notice boards.
- Ensuring class / lab work as per time table.
- Verification of adjustment & conduction of class / lab work of the faculty applying leave.
- Conducting MID exams & Mock tests.
- Verifying internal marks & scripts which are accepted & signed by the students. Submission of Internal Marks to JNTU.
- Submission of any other required report to Academic council / Exam Branch.
- Ensuring minimum of 60% result in each subject.
- Preparation of list of weak students in each class & ensuring improvement in results by conducting bridge classes, slip tests etc. Identifying meritorious students & guiding them for further improvement.
- Preparation of result analysis and display of 5 toppers details with their photos on the class notice boards.
- Preparation of remedial classes schedule for failure students in ensuring better results.
- Ensuring conduction of GDs, guest lecturers workshops & seminars.

### VICE PRINCIPAL - ADMIN

- Maintenance of Assets in the department and also maintenance of Assets Personal Files & Lab Asset Registers and department Asset Registers.
- Identifying Infrastructure requirement for the department, including it in the budget, preparation of indent and getting it approved from the management.
- Student's affairs – Coordinating with Mentors & Class I/Cs for ensuring students regularity, punctuality & discipline.
- Ensuring minimum of 75% attendance of all the students in the department.
- Issue of No Due Certificates for the students & staff.
- Due Status Reports for the staff.
- Issue of No Objection Certificates to students.
- Student Requisition Form (For the issue of Bonafide Certificate, TC, etc.)

- Submitting semester wise Stationary, Chemicals, Glassware and other consumables requirement to the stores department. Collection of Stationery and consumables from the stores and also coordinating with the stores department for purchasing the assets for the department.
- Preparation of departmental budget which includes Guest lectures, Seminars / Workshops grants, Consumables, maintenance of assets (AMC Charges, Repairs, etc.) and purchase of new assets. Getting the budget approved from the management and ensuring the expenditure according to it.
- Sanction of leaves for teaching and non-teaching faculty
- Ensuring staff discipline in the department.
- Appointing faculty members in the department as Class I/C and Lab I/C.
- Correspondence with parents about student's attendance, discipline & academic performance as mentioned in Mentor responsibilities.
- Arrangement of Invigilation duties for the conduct of Mid Exams and Mock Tests.
- Submission of Attendance reports to JNTU.
- Coordinating with placement department and providing the students data.
- Ensuring their smooth functioning of different committees of the college.

### **RESPONSIBILITIES OF CLASS INCHARGE**

- Class Incharges should ensure that the particular class time tables as per prescribed format, with the names of counsellors & class representatives are displayed on their class room notice boards before the beginning of the semester.
- Class representatives should be appointed: One among the academic toppers of the class and the other elected by the students.
- The Class Incharge should coordinate with other faculty members handling subjects / labs of the same class for effective and efficient running of the class / Lab work.
- They are responsible for the display of the previous semester's final results on the class room notice board including the list of top 5 students with their photographs.
- They should co-ordinate with the counsellors and ensure regular attendance of all the students in their class.
- They are responsible for the students discipline in their class.
- It is the responsibility of the Class In charge to inform the students by creating awareness among them regarding their responsibilities towards protecting their class and college assets and equipments.
- A student's discipline committee should be selected for each class apart from Class Representatives.
- They should check the dress code, ID cards of the students. If they violate any rules and regulations of the college, disciplinary action should be initiated against them.
- The Class in charge is responsible for collecting damages from the students, if any.
- Class in charge should ensure that all the data entered by the students for JNTU exam online registration is correct and take student signatures against the entries.
- Class in charge should make all the students verify and sign the final internal marks list of his class, and submit the same to the exam branch before submitting to JNTU.

### **EXTRA-CURRICULAR ACTIVITIES COMMITTEE**

Extra-curricular activities are a great way to develop a 'portfolio' of working experience in both specific areas and general skills alike. Students can develop competence in those areas by performing the tasks that are interested for them. They also gain valuable skill

sets by experimenting in a leadership role, working in collective efforts, or coordinating group tasks and meetings. They also learn how to fund-raise, how to advertise their group on campus, or even how to motivate others.

## **Roles and Responsibilities of the Extra-curricular activities committee**

- For conduct of intra and inter collegiate cultural events in the college
- To plan and schedule cultural events for the academic year
- To plan and conduct sports activities
- The committee takes the responsibility in organizing overall cultural activities which include the following
  - Preparation of budget
  - Formal approval from the college authorities to arrange programs
  - To frame the agenda of programme
  - To arrange the venue and logistics
  - To arrange mementoes and certificates for the event

## **DISCIPLINE COMMITTEE**

Discipline is typically integral to the success of a college student. Disciplined students come to class prepared and ready to participate in class and small group discussions. They also take notes and ask questions. In a traditional face-to-face classroom, attendance and engagement are necessary to learn course content and to succeed in homework, tests and projects. Discipline in these areas usually leads to more complete homework and projects, better test preparation and a better overall learning experience in combination with classroom engagement. Disciplined students also make use of available resources as necessary. The library, academic support center, instructors and office support staff on campus are some of the resources students can access.

### **Roles and Responsibilities of the Discipline Committee: -**

- Committee should be vigilant towards following indiscipline activities of students & prohibit them in the campus such as,
  - Improper or casual dressing
  - Present in the campus but not attending classes
  - Using mobile phones in the campus
  - Not attentive towards class work and lab work
  - Leaving the campus without the permission of class I/C
  - Not attending the training program, workshop, seminar organized in the college
  - Smoking
  - Consumption of alcohol

## **RESEARCH COMMITTEE**

*Research and experimental development comprises of creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications.*

- Facilitation and promotion of the development of strategic direction of research within the faculty, improvements in the quality and impact of that research and the growth of local, national and international research collaborations.
- Encourage faculty members for in house research projects
- Encourage faculty members for research publications
- To Organize and conduct guest lectures at the Institute
- To organize and conduct seminars and workshop at Regional and National level
- To foster research collaborations with pharmaceutical industries and Research institutes

## **PLACEMENT COMMITTEE**

The College Placement Committee strives to provide common platform and helping students to create their future by facilitating on campus recruitment. It is our endeavor to explore the best avenues of opportunities in the path of planning their Careers and being successful.

### **Roles and Responsibilities of Placement Committee**

- To look after the training and placement activities of students
- To have close liaison with industry for placement of students
- To work in consultation with the coordinator of Central Placement Cell for organizing events related to training and placements
- To collect feedback from the companies coming for placement
- Arrange training programmes for soft skills and for interview facing skills for the students using internal and external expertise
- To organize entrepreneurship workshop

## **ANTI-RAGGING COMMITTEE**

Ragging means doing an Act, which causes or is likely to cause insult or annoyance or fear or apprehension or intimidation or outrage of modesty or injury to a student. Ragging is considered as sadistic thrill and it is a violence of human rights.

- To ensure compliance with the provision of UGC regulation 2009 at the institution level.
- To monitor and oversee the performance of anti ragging squad in prevention of ragging in the institution.
- Anti ragging Squad - To be nominated by the head of the institute with the representation as may be considered necessary from the campus community only.
- To make surprise raids in girls and boys common rooms and other places vulnerable to incidents of and having the potential of ragging.
- To conduct on the spot enquiry in to any incident of ragging.
- The committee will also maintain alert vigil at all times and ensure that the Anti-ragging squads of the institution carry out their functions properly.

### **1.4. Assessment of the achievement of Programme Educational Objectives (30)**

Our college assesses the PEOs through alumni survey. The survey was created by a program review committee and it was approved by academic committee and stakeholders. The alumni of 2007-2013 graduates and 2013 post graduates were called for an alumni meet and a survey was done. The results of the survey are as follows.

**Summary of Alumni survey (Industry)**

How do you rate our college B. Pharm graduates	Percentage responded good or excellent
Knowledge and skill set	95
Communication skills	77
Ability to work as a team	80
Ability to continue learning	76
Willingness to take high responsibilities	80
Hard working nature and Professional competency	75

**1.4.1. Indicate tools and processes used in assessment of the achievement of the PEOs (5)**

(Describe the assessment process that periodically documents and demonstrates the degree to which the Programme Educational Objectives are attained. Also, include information on:)

**Assessment to check the effectiveness of processes in achievement of program goals:**

PEOs	Assessment	Assessment Criteria	Data	Faculty	Goal
PEO I	Performance in the Program	Students passed with distinction / First class in final Exams	Once in Semester	Examination Committee	70 – 80 %
	Placement Record	Number of students employed	Once in a Year	Placement Committee	30 – 40%
	Entrance Exams (GATE, GPAT, PG CET, others)	Number of students Qualify	Once in a Year	Academic Committee	30 – 40%
PEO II	Performance in the Program	Students passed with distinction / First class	Once in Semester	Examination Committee	70 – 80 %
	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PEO III	Entrance Exams (GATE, GPAT, PG CET, others)	Students qualifying with good ranks	Once in a Year	Academic Committee	30 – 40%
	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PEO IV	Survey of higher Education	Students pursuing higher education	Once in a year	Academic Committee	70 – 80%
	Performance during the Program	Students performance in internal exams	Twice in a Semester	Examination Committee	70 – 80%
	Co-Curricular Activities	Participation in inter-collegiate competitions	Once in Semester	Extracurricular activities	40 – 50 %



PEO V	Alumni Survey	Students progress in employment	After 3 years of graduation	committee Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PEO VI	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%

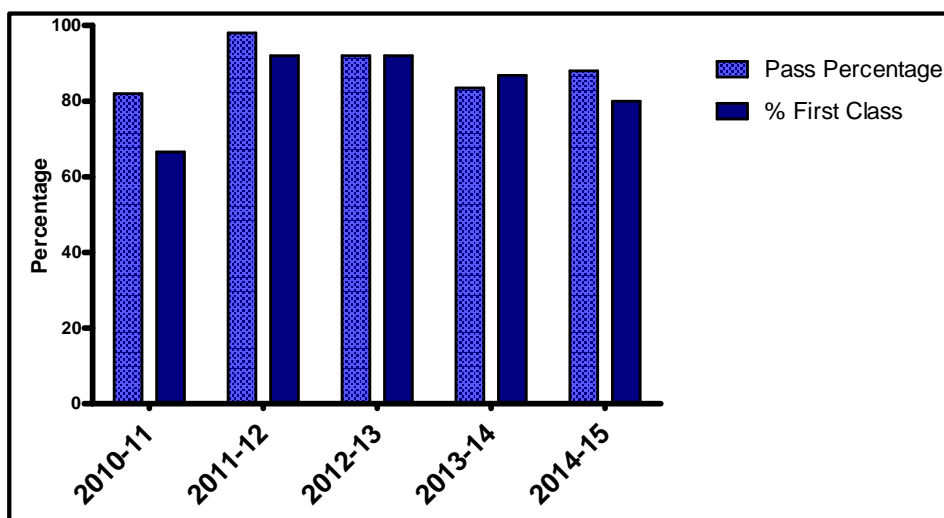
**1.4.2. Give evidence for the achievement of the PEOs (25)**

The various committees measures the level t which our program has met each of the PEOs. The collected evidences are depicted here.

**PEO 1: Knowledge:** Graduates of the program will be having strong theoretical background along with necessary skillset in pharmaceutical sciences and able to use these tools in Pharmaceutical industry, hospitals and institutes or where ever in the area of profession they choose necessary for success.

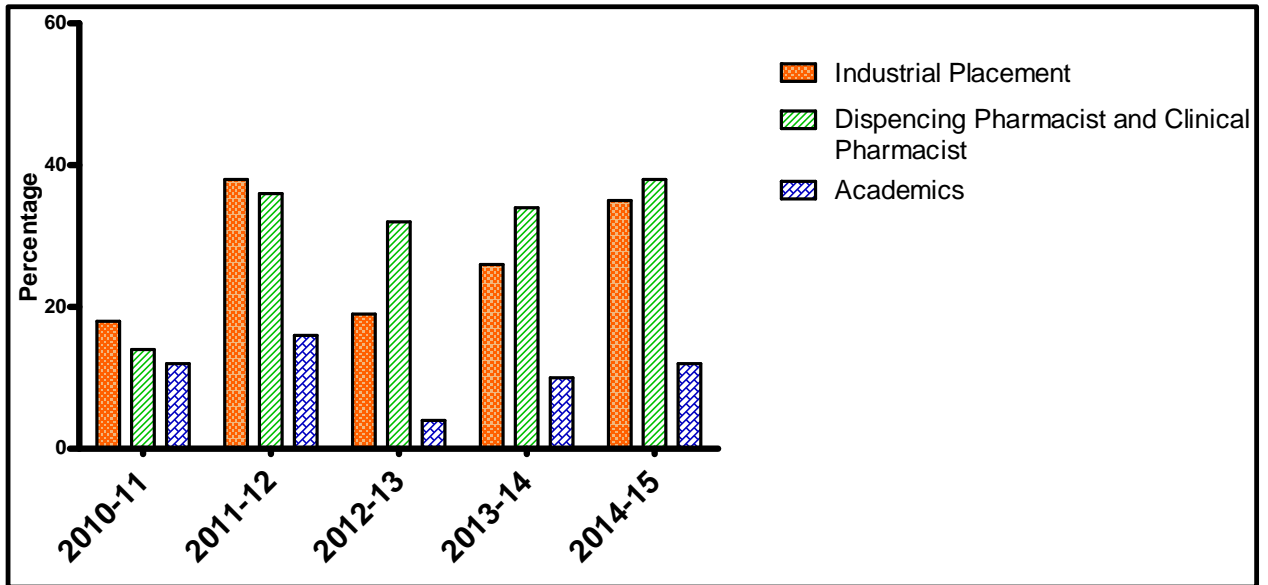
**Supplementary Evidences**

- **Performance in the Program**
  - Assessment made once in a semester and consolidated to get year wise results of student’s performance in the program.
  - The Graph below represents the % of Students qualified successfully in the end exam and the % of students qualified with first class.



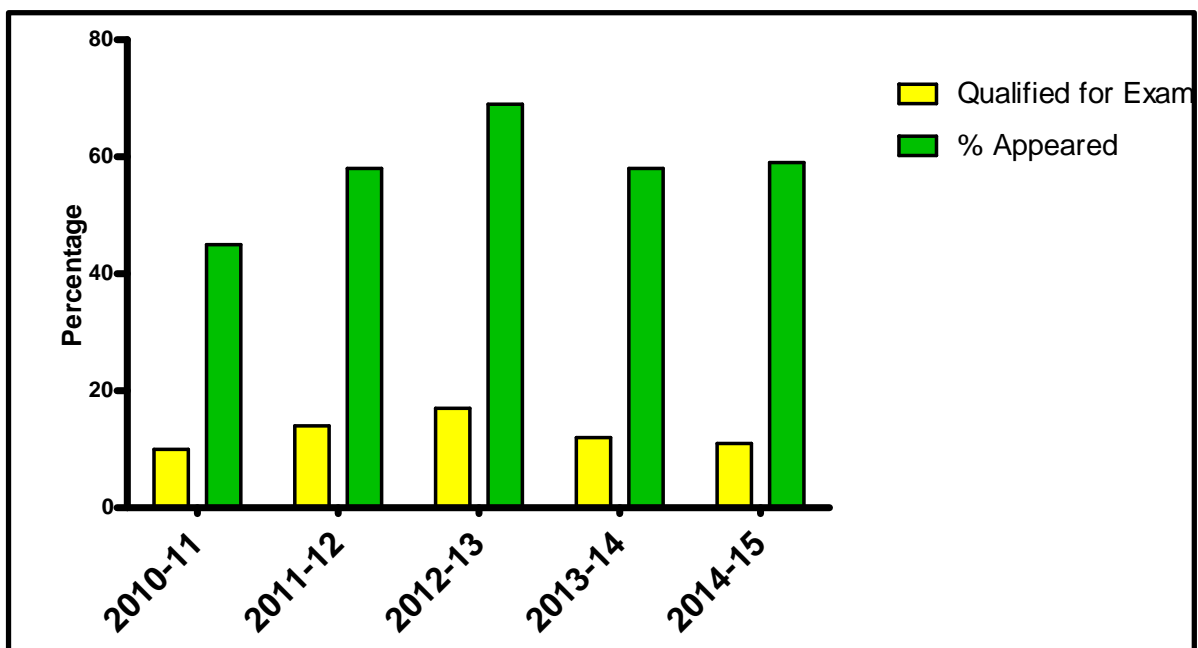
• **Placement Record**

- Assessment on placement records was made once in year. The graphical representation below gives the details on student's placement through on campus and off campus.



• **Entrance Exams**

- Achievement of PEO I was assessed by student's performance in entrance exams. Graph below represents the ratio of students appearing and qualifying the entrance exams last three years

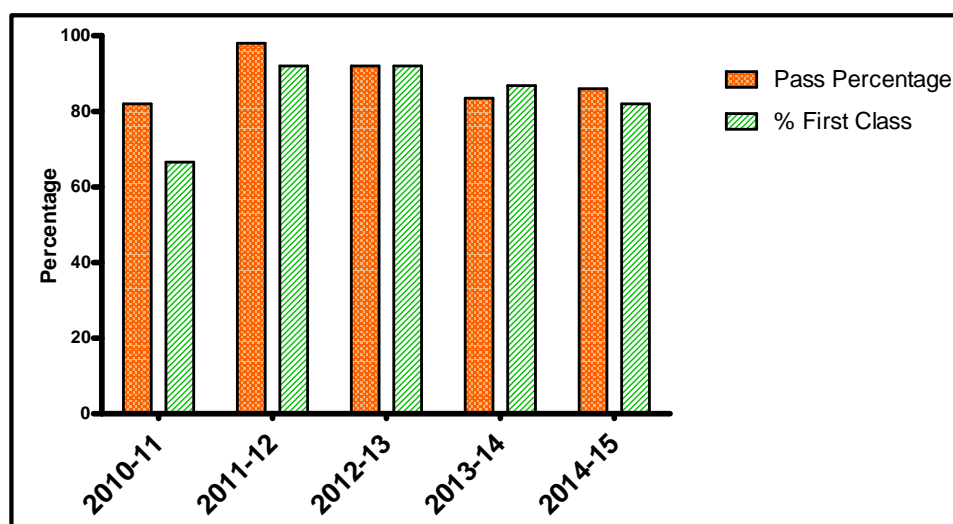


**PEO 2: Core Competence:** To provide students with a solid foundation in Pharmaceutics, Pharmaceutical Chemistry, Pharmacology and Pharmacognosy fundamentals as per the requirement of Pharmaceutical Industries, Community and Hospital Pharmacy. The Program aims to make students competent for future.

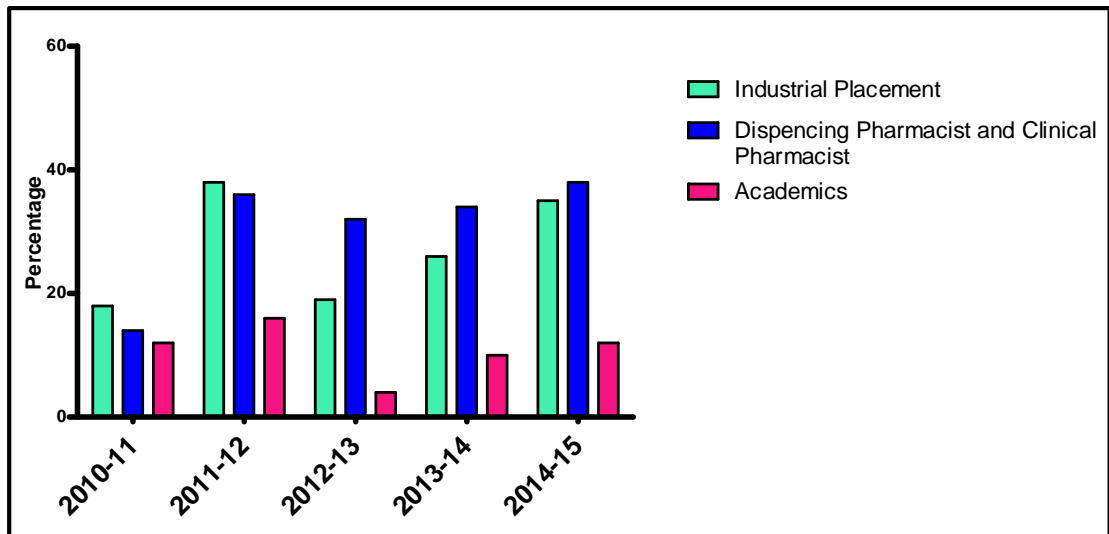
## Supplementary Evidences

- **Performance in the Program**

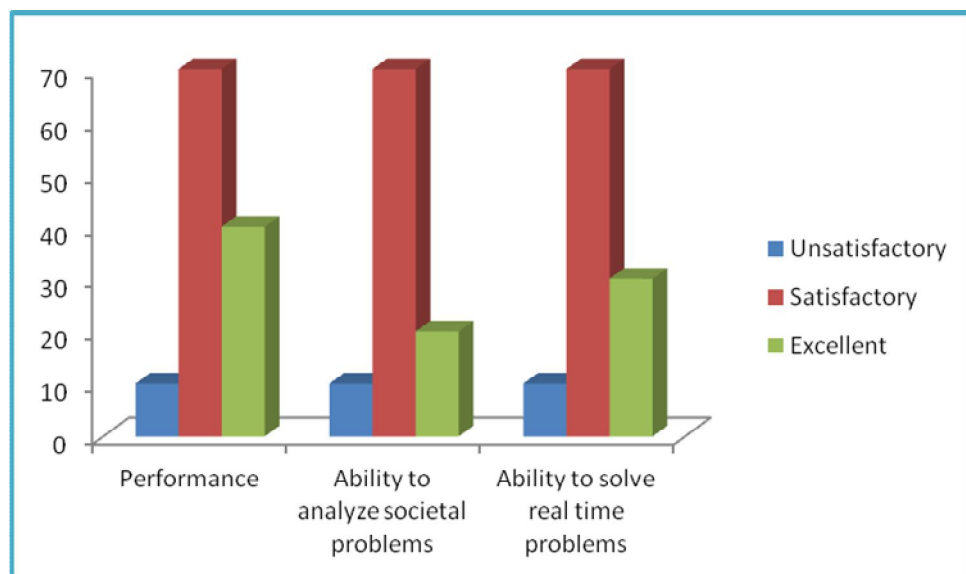
- Assessment made once in a semester and consolidated to get year wise results of student's performance in the program.
- The Graph below represents the % of Students qualified successfully in the end exam and the % of students qualified with first class.



- **Alumni survey**
  - The survey on Alumni students of our institution are made from time to time and the results are consolidated once in three year and it is illustrated in following graph.



- **Employer survey**
  - Whether the performance of our graduates are satisfactory
  - Whether our graduates are able to analyze societal problems
  - Whether our graduates are competent enough to solve the real time problems

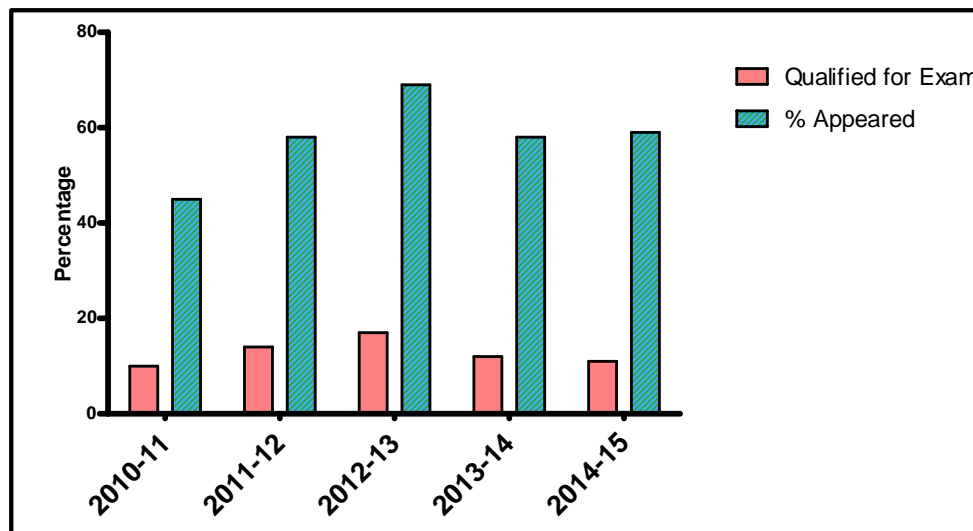


**PEO 3: Breadth:** To train students with good knowledge along with practical efficiency in Pharmacodynamics, pharmacokinetics, Drug properties, synthesis, molecular modelling, formulation & development, analytical aspects in research and design. Extend this knowledge to create novel Herbal & Synthetic Pharmaceutical products for the benefit of life.

Supplementary Evidences

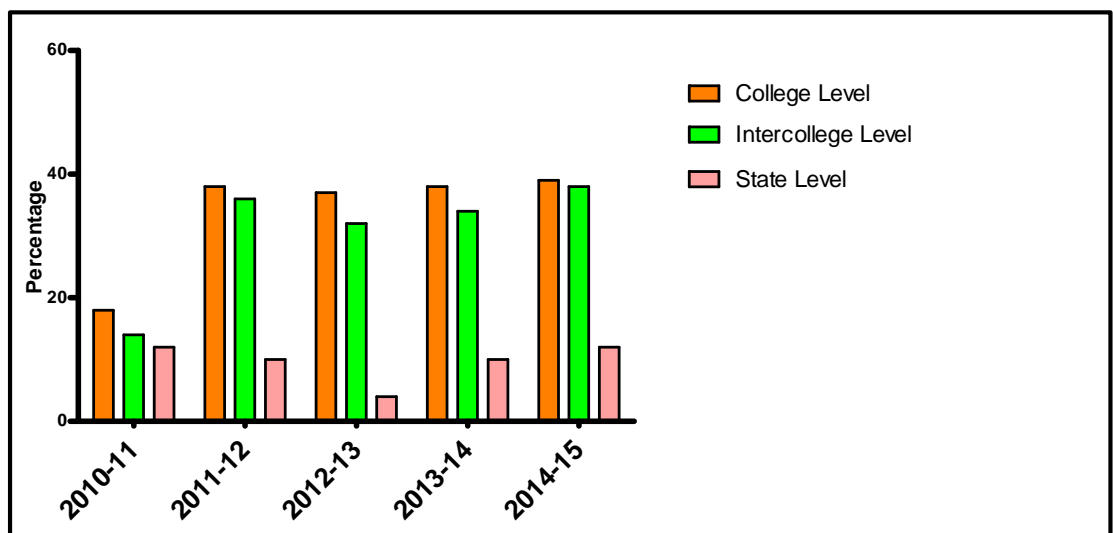
- **Entrance Exams**

- Achievement of PEO III was assessed by student’s performance in entrance exams. Graph below represents the ratio of students qualifying the entrance exams with ranks in last three years.



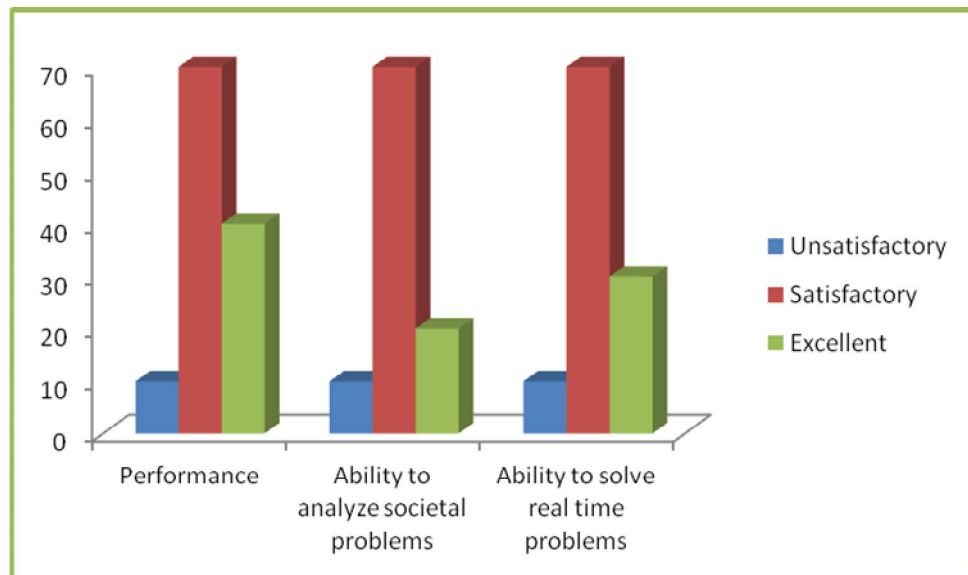
- **Alumni survey**

- The survey on Alumni students of our institution are made from time to time and the results are consolidated once in three year and it is illustrated in following graph.
- Following graph illustrates the graduates improvement in their employment



- **Employer survey**

- Whether the performance of our graduates are satisfactory
- Whether our graduates are able to analyze societal problems
- Whether our graduates are competent enough to solve the real time problems

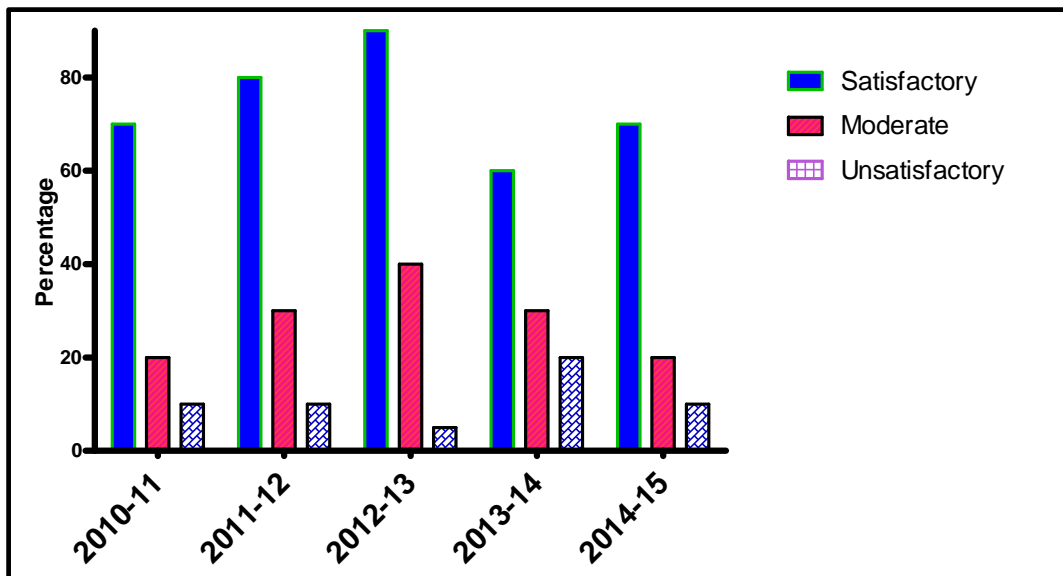


**PEO 4: Preparation:** The philosophy of the institute is to prepare students to excel in postgraduate programmes and also to succeed in Pharmaceutical industry or in the profession wherever the student chose through innovative teaching methodologies that engage students in self learning.

**Supplementary Evidences**

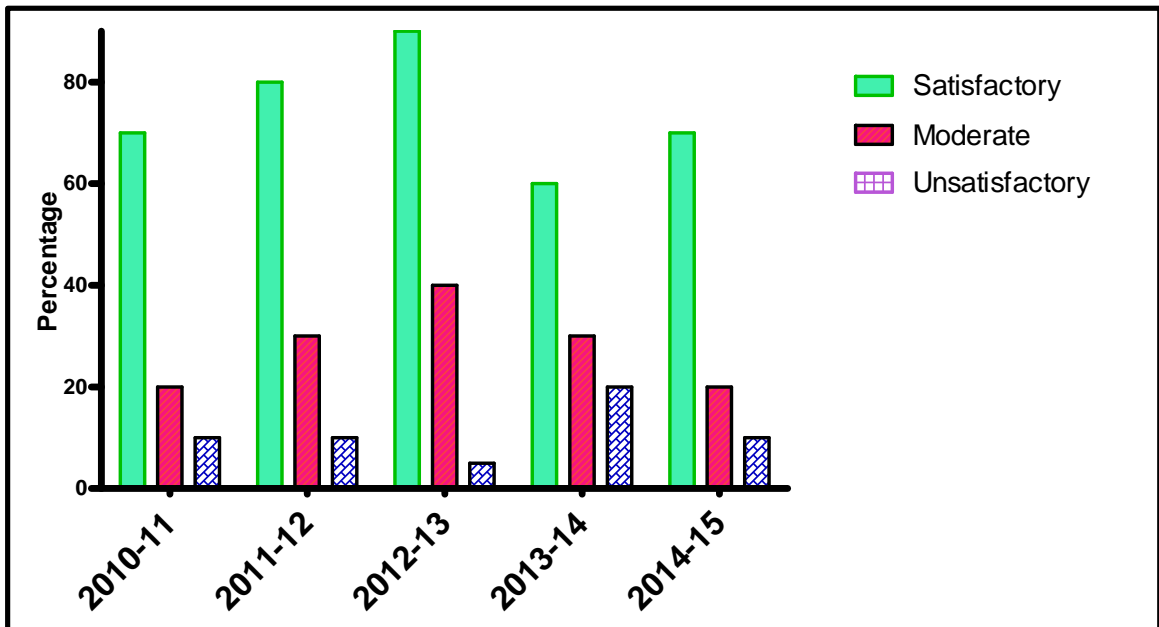
- **Higher Education**

- What is the higher education pursued by the graduates?
- Whether our graduates were successful in pursuing their higher education?



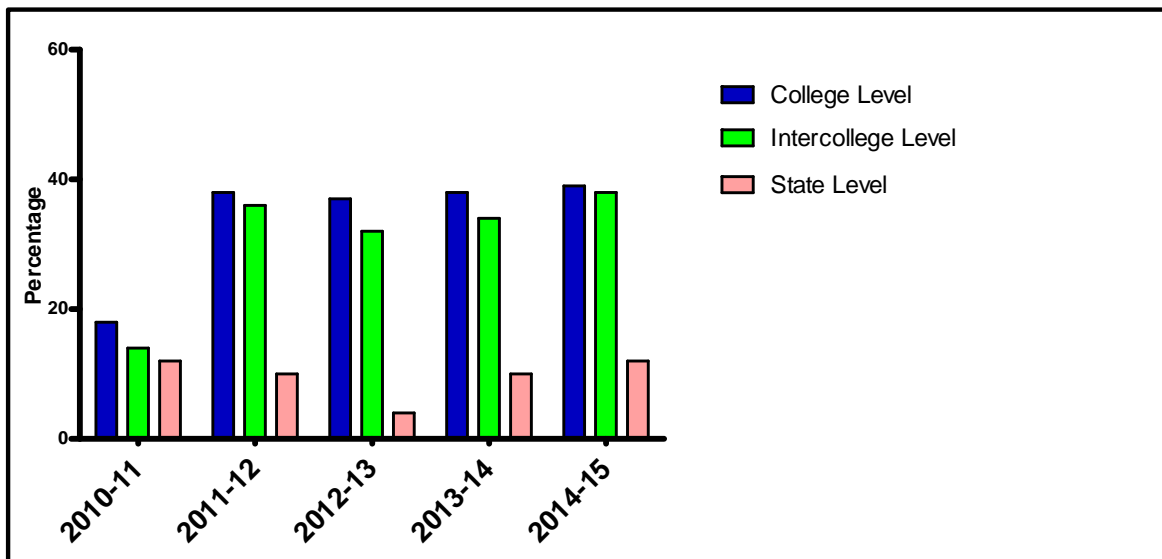
**Performance during the program**

- The Performance of students during the programme is assessed by continuous monitoring of day to day activity
- The performance of students during the internal theory and lab exams were assessed and suggestions were given for their improvement



- **Participation in Co-curricular Activities**

- Students were encouraged to participate in co-curricular activities such as Quiz competitions, paper presentation and oral presentations in inter-collegiate competitions.



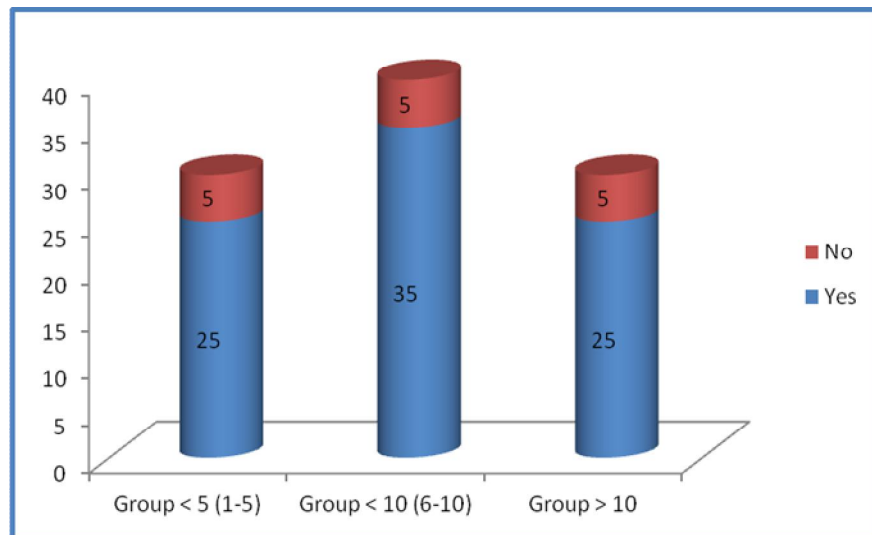
**PEO 5: Professionalism:** To inculcate in students professional and ethical attitude, effective communication skills, teamwork skills, multidisciplinary approach, and an ability to relate Pharmaceutical Sciences issues to broader social context.

**Supplementary Evidences**

- **Alumni survey**

The ability of graduates to work in a team is assessed by the following questionnaire in the alumni form.

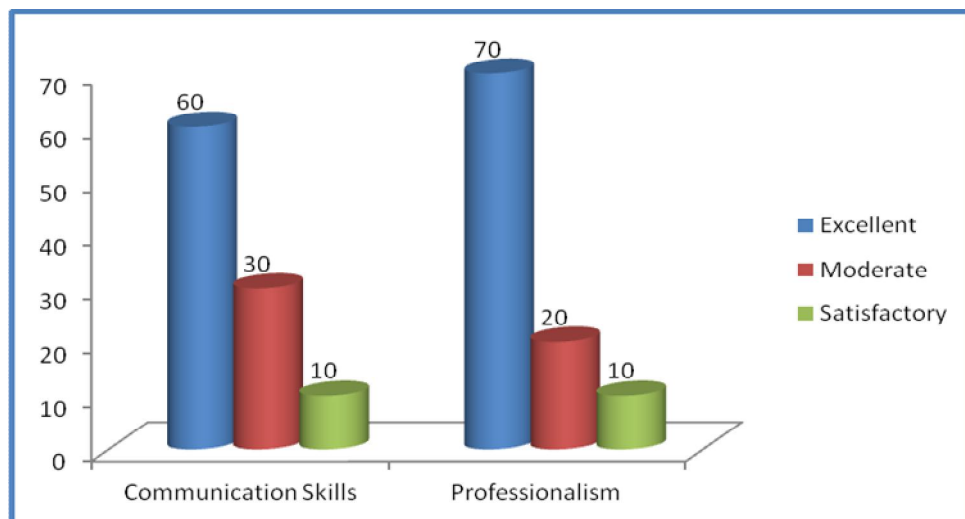
- What is the size of your team in profession when working in team?
- Are you comfortable in giving presentations in your working team?



**Employer Survey**

The communication skills of the graduates in the profession was assessed by the questionnaire to the employer

- Does the graduate possess good communication skills?
- Does the graduate exhibits professionalism in team work?



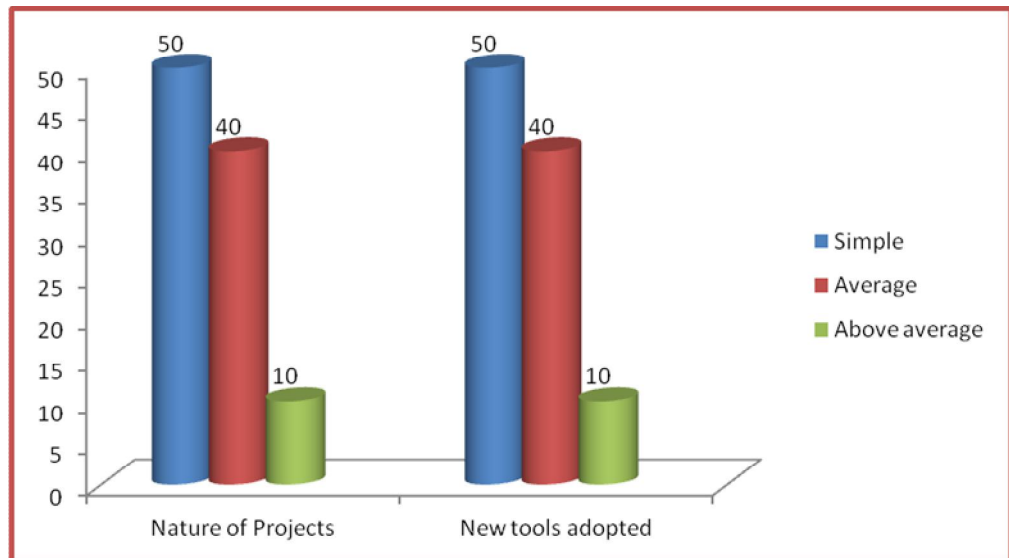
**PEO 6: Evaluation:** Graduates of the program will be able to evaluate pros and cons, benefits and deficiencies of the matter they studied, pharmaceutical technology they learned and ideology they observed in the field of Pharmaceutical sciences.



- **Alumni survey**

The ability of graduates to evaluate and address the societal problems were assessed by following questionnaire during the feedback obtained from our alumni

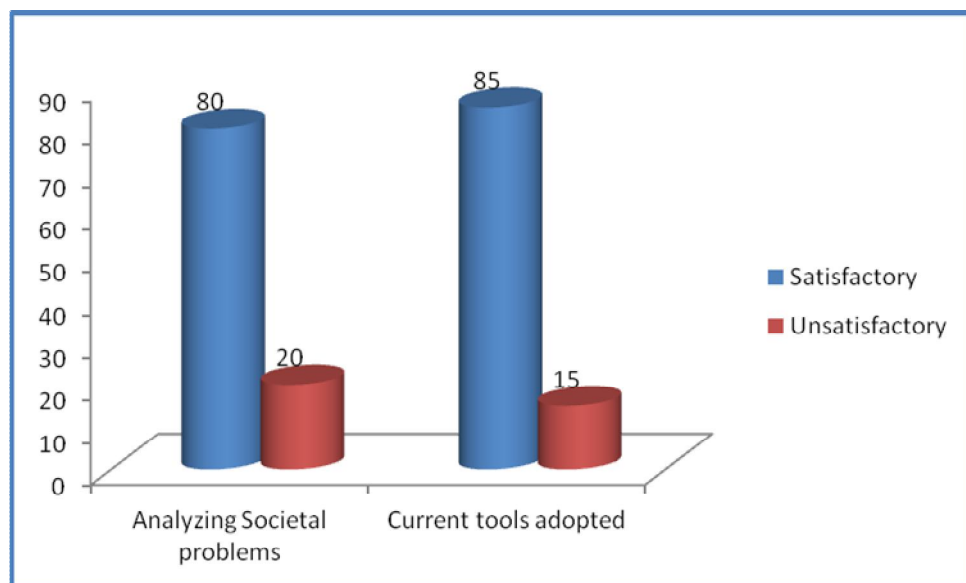
- What is the nature of project you handled at your employment?
- Any new tools adopted to meet current job requirements?



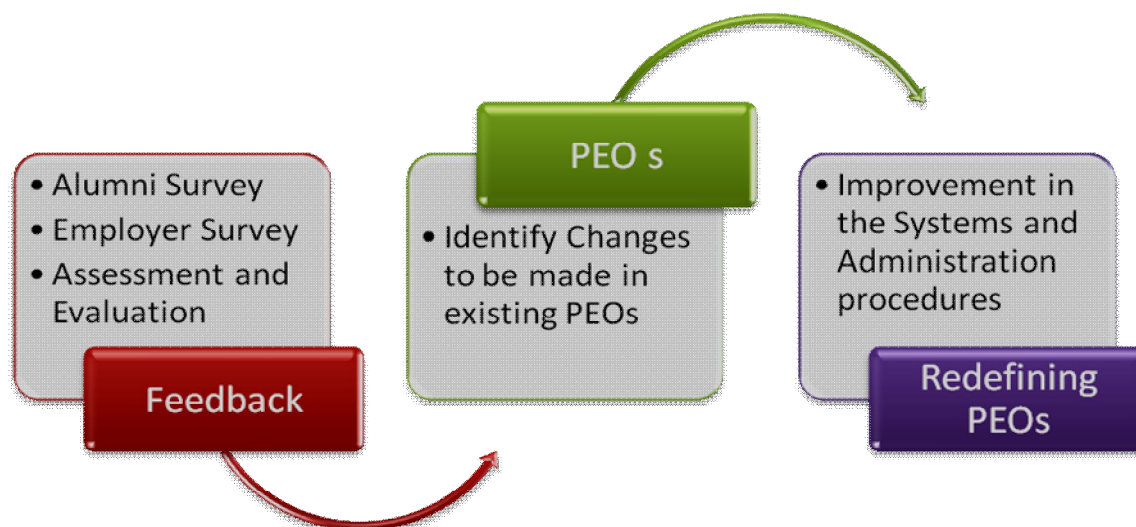
**Employer Survey**

The ability of graduates to evaluate and address the societal problems was assessed by following questionnaire during the feedback obtained from employer.

- Whether our graduates were successful in analyzing societal problems?
- Whether our graduates adopt the current trends in employment?



**1.5. Indicate how the PEOs have been redefining in the past (10)**



**2. Programme Outcomes (200)**

**2.1. Definition and Validation of Course Outcomes and Programme Outcomes (25)**

**2.1.1. List the Course Outcomes (COs) and Programme Outcomes (POs) (2)**

(List the course outcomes of the courses in programme curriculum and programme outcomes of the programme under accreditation.)

**Programme Outcomes**

- a. Graduates will demonstrate knowledge of Pharmaceutical science and Life Sciences.
- b. Graduates will demonstrate an ability to identify, formulate and solve Pharmaceutical Industry, Community & Hospital Pharmacy problems.
- c. Graduate will demonstrate an ability to conduct, analyze and interpret data of pharmaceutical experiments in production, Quality control & Quality assurance.
- d. Graduates will demonstrate an ability to design formulation & Synthetic process as per needs and specifications in Pharmaceutical Industries & Marketing.
- e. Graduates will demonstrate an ability to understand mechanism of drug action, its dynamics and kinetics, visualize and work on laboratory techniques and improvements.
- f. Graduate will demonstrate skills to use modern Pharmaceutical tools, software and equipment to analyze & solve problems.
- g. Graduates will demonstrate knowledge of professional and ethical responsibilities as per Pharmaceutical jurisprudence.
- h. Graduate will be able to communicate effectively in both verbal and written form.
- i. Graduate will show the understanding of impact of Pharmaceutical sciences on the society and also will be aware of modern issues.
- j. Graduate will develop confidence for self education and ability for life-long learning.
- k. Graduates will demonstrate knowledge in Research & development in all disciplines of Pharmaceutical sciences.
- l. Graduate who can participate and succeed in competitive examinations.

**Course Outcomes:**

Name of the Course	Course Outcomes
9RBS101 - Remedial Mathematics	<ul style="list-style-type: none"> <li>Apply the knowledge of mathematics for solving different problems related to pharmacy.</li> </ul>
9RBS102 - Remedial Biology	<ul style="list-style-type: none"> <li>The subject gives introduction to various classes of plants and animals</li> </ul>
R9BS103 - English	<ul style="list-style-type: none"> <li>To maintain good linguistic competence- through accuracy in grammar, Pronunciation &amp; Vocabulary.</li> <li>To acquire strategic competence to use both spoken &amp; written language to use in a wide range of communication strategies.</li> <li>Ability to listen to English spoken by educated English speakers and respond appropriately in different socio-cultural and professional contexts.</li> </ul>
R901101 - Dispensing and Hospital Pharmacy	<ul style="list-style-type: none"> <li>An ability to identify the different pharmaceutical preparations</li> <li>An ability to monitor a patient medication history</li> <li>To apply the knowledge on maintenance of purchase and inventory control of drug store</li> </ul>
R901102- Pharmaceutical Inorganic Chemistry	<ul style="list-style-type: none"> <li>Understand the principles and procedures of analysis of drugs and also regarding the application of inorganic pharmaceuticals</li> <li>Know the analysis of inorganic pharmaceuticals and their applications</li> <li>Appreciate the importance of inorganic pharmaceuticals in preventing and curing diseases</li> </ul>
R901103- Pharmaceutical Organic Chemistry	<ul style="list-style-type: none"> <li>An ability to identify the different class of organic compounds</li> <li>Ability to synthesize some organic compounds of medicinal interest</li> <li>An ability to assess the purity and strength of the medicinal compounds</li> <li>Students will understand the mechanism involved in the organic synthesis</li> </ul>
R901104 - Anatomy, Physiology and Health Education	<ul style="list-style-type: none"> <li>An ability to describe the structure and functions of various organs of the human body</li> <li>Ability to perform the haematological tests and also record blood pressure, heart rate, pulse and respiratory volumes</li> <li>Identify the various tissues and organs of the different systems of the human body</li> </ul>
R9BS301-Statistical Methods and Computer	<ul style="list-style-type: none"> <li>Ability to apply the knowledge of statistical tools for comparative analysis of results in pharmaceutical and clinical studies</li> <li>To apply the statistical concepts in various pharmaceutical sciences</li> </ul>

<p><b>Applications</b></p>	<ul style="list-style-type: none"> <li>• Apply the knowledge of MS office, Excel, Power point and Access for pharmaceutical and clinical studies.</li> <li>• To develop programs to calculate simple and arithmetic expressions</li> </ul>
<p><b>9R01301 Pharmaceutical Engineering I</b></p>	<ul style="list-style-type: none"> <li>• Ability to understand the working principles of equipments used for handling unit processes in pharmaceutical industries</li> <li>• To understand the various unit operations such as filtration, centrifugation etc and to assess the factors that contribute the pharmaceutical operations</li> <li>• To have a knowledge on industrial hazards and safety precautions to be followed.</li> </ul>
<p><b>9R01302 Pharmaceutical Organic Chemistry – II</b></p>	<ul style="list-style-type: none"> <li>• An ability to write the structures of different heterocyclic compounds of medicinal interest</li> <li>• An ability to classify and explain the properties of carbohydrates, aminoacids, proteins, glycosides and lipids</li> <li>• An ability to write the mechanism and application involved in the synthesis of compounds</li> <li>• To know the stereochemistry of carbon compounds</li> <li>• Students can perform systematic analysis of organic binary mixtures</li> </ul>
<p><b>9R01304-Physical Pharmacy I</b></p>	<ul style="list-style-type: none"> <li>• Understand the different physical properties of drug molecules</li> <li>• Understand the importance of buffers and buffer system in pharmaceutical and biological system</li> </ul>
<p><b>9R01305 -Anatomy, Physiology and Pathophysiology</b></p>	<ul style="list-style-type: none"> <li>• To perform the analysis of normal and abnormal contents of urine.</li> <li>• Students can describe the etiology and pathogenesis of the selected disease states</li> <li>• Ability to apply the knowledge of structure and functions of various physiological systems</li> <li>• To perform physiological experiments on nerve muscle preparations</li> </ul>
<p><b>9RBS405 Environmental Science</b></p>	<ul style="list-style-type: none"> <li>• Understand the concept of eco system</li> <li>• Understand the importance of biodiversity and its conservation</li> <li>• Perform the case studies on environmental pollution and disaster management</li> <li>• Ability to organize family welfare programmes</li> </ul>
<p><b>9R01401 Pharmaceutical Engineering II</b></p>	<ul style="list-style-type: none"> <li>• Understand the principle and application of various unit operations involved in pharmaceutical preparations</li> <li>• Ability to assess the factors influencing the operating processes</li> <li>• Ability to assess and fix optimum conditions for unit operations</li> <li>• Ability to assess the efficiency of the operating equipments</li> </ul>
<p><b>9R01402-</b></p>	<ul style="list-style-type: none"> <li>• Understand and perform the chemical method of analysis of drugs</li> </ul>

<p><b>Pharmaceutical Analysis – I</b></p>	<ul style="list-style-type: none"> <li>• Ability to check the purity and strength of the drug formulations</li> <li>• Ability to perform analysis of drugs using Fluorimetry, nephelo turbidimetry and flame photometry</li> <li>• Understand the different separation techniques and their applications in analysis of drugs</li> </ul>
<p><b>9R01403- Pharmacognosy– I</b></p>	<ul style="list-style-type: none"> <li>• Ability to perform physical and chemical methods of evaluation of crude drugs containing carbohydrates and fixed oils</li> <li>• Understand the strategy to obtain improved cultivation of medicinal plants</li> <li>• To perform systematic pharmacognostic study of crude drugs containing carbohydrates, lipids and volatile oils</li> </ul>
<p><b>9R01404-Physical Pharmacy II</b></p>	<ul style="list-style-type: none"> <li>• Ability to apply the knowledge of solubility in pharmaceutical preparations</li> <li>• Apply the concept of interfacial phenomena and rheology in suspensions and emulsions</li> <li>• To assess the rate of order of reaction involved in stabilization of medicinal agents</li> </ul>
<p><b>9R01501- Pharmaceutical Biochemistry</b></p>	<ul style="list-style-type: none"> <li>• Understand the catalytic activity of enzymes and importance of isoenzymes in diagnosis of diseases</li> <li>• The ability to know the metabolic process of biomolecules in health and illness</li> <li>• Ability to perform the quantitative analysis and determination of biomolecules in body fluids</li> <li>• Perform the estimation of normal and abnormal physiological levels in Urine and blood samples</li> </ul>
<p><b>9R01502- Pharmaceutical Microbiology</b></p>	<ul style="list-style-type: none"> <li>• Know the anatomy, identification, growth factors and sterilization of microorganisms</li> <li>• Know the mode of transmission of disease causing microorganisms, symptoms of disease and treatment aspects</li> <li>• Perform the estimation of RNA and DNA and identify the source</li> <li>• Perform the cultivation and identification of microorganisms in the laboratory</li> <li>• Identification of diseases by performing the diagnostic tests</li> </ul>
<p><b>9R01503- Pharmacognosy II</b></p>	<ul style="list-style-type: none"> <li>• Ability to perform the pharmacognostical study on glycoside containing drugs</li> <li>• Ability to perform the pharmacognostical study on alkaloid containing drugs</li> <li>• Perform the identification tests on enzymes</li> <li>• Understand the metabolic pathways of secondary metabolites of pharmaceutical importance</li> </ul>

<p><b>9R01504- Pharmaceutical Technology I</b></p>	<ul style="list-style-type: none"> <li>• Formulation of various dosage forms containing drugs</li> <li>• Formulation of various types of cosmetics</li> <li>• Perform the evaluation of prepared dosage forms</li> <li>• Perform the evaluation of cosmetic preparations</li> </ul>
<p><b>9R01505 - Pharmacology I</b></p>	<ul style="list-style-type: none"> <li>• Understand the principles of drug discovery and phases of drug development</li> <li>• Understand the pharmacological aspects of drug action</li> <li>• Ability to assess the mechanism of action of a drug</li> <li>• Ability to assess the drug interactions</li> </ul>
<p><b>9R01601-Medicinal Chemistry</b></p>	<ul style="list-style-type: none"> <li>• Understand the concept of physio chemical properties of drug molecules in relation to drug activity</li> <li>• To assess Structural Activity relationship of drugs of therapeutic interest</li> <li>• To perform synthesis of some medicinal compounds and their analogues</li> <li>• To perform qualitative analysis of some functional groups</li> </ul>
<p><b>9R01602- Pharmaceutical Technology II</b></p>	<ul style="list-style-type: none"> <li>• Ability to evaluate different pharmaceutical preparations like capsules, tablets, parenterals etc</li> <li>• Ability to perform evaluation on materials used for packaging such as glass, plastic, rubber closures etc</li> </ul>
<p><b>9R01603- Pharmacology II</b></p>	<ul style="list-style-type: none"> <li>• Ability to handle animals like frog, mice, rat and rabbit</li> <li>• Ability to administer drugs for animals by various routes</li> <li>• Ability to perform experiments on isolated preparations such as isolated frog heart and rectus abdominus muscle preparation of frog</li> <li>• To perform bioassays</li> </ul>
<p><b>9R01604-Chemistry of Natural Drugs</b></p>	<ul style="list-style-type: none"> <li>• Ability to perform different identification tests for natural drugs</li> <li>• Perform the extraction of substances for natural products</li> <li>• Perform separation techniques and identify the compounds</li> <li>• Understand the significance of naturally occurring drug resources</li> </ul>
<p><b>9R01605 - Pharmaceutical Jurisprudence</b></p>	<ul style="list-style-type: none"> <li>• Ability to practice the Professional ethics</li> <li>• Understand the various concepts of the pharmaceutical legislation in India</li> <li>• Know the various parameters in drugs and cosmetics act and rules</li> <li>• Understand the labeling requirements and packaging guidelines for drugs and cosmetics</li> </ul>
<p><b>9AHS601 – Advanced English Communication</b></p>	<ul style="list-style-type: none"> <li>• Improve Communication skills</li> <li>• Train students for effective usage of language and to sharpen the public speaking skills</li> </ul>

<p><b>Skills Lab</b></p>	<ul style="list-style-type: none"> <li>• Enhance the confidence of the students to face interviews and competitive exams</li> </ul>
<p><b>9R01701- Pharmaceutical Analysis II</b></p>	<ul style="list-style-type: none"> <li>• Understand the principle and application of different analytical instruments used in pharmaceutical industries</li> <li>• Ability to perform quantitative analysis of drugs form different dosage forms using various analytical tools</li> <li>• Ability to interpret the analytical data and identify the structure of the compound</li> <li>• An ability to perform separation techniques for subsequent analysis of mixture of components</li> </ul>
<p><b>9R01702- Biopharmaceutics and Pharmacokinetics</b></p>	<ul style="list-style-type: none"> <li>• To perform the analysis of biological specifications for drug content and estimate the pharmacokinetic parameters</li> <li>• An ability to perform In vitro evaluation of different dosage forms for drug release kinetics</li> <li>• Ability to apply statistical tools for assessment of pharmaceutical data</li> <li>• Ability to perform <i>Invitro</i> and <i>Invivo</i> correlation</li> </ul>
<p><b>9R01703- Pharmacology III</b></p>	<ul style="list-style-type: none"> <li>• Ability to perform experiments on isolated preparations</li> <li>• Understand the significance of chemotherapeutic agents</li> <li>• Ability to assess the treatment for poisoning</li> <li>• Ability to perform multipoint assays</li> </ul>
<p><b>9R01704-Medicinal Chemistry II</b></p>	<ul style="list-style-type: none"> <li>• Understand the biological sources and structures of some important antibiotics</li> <li>• Capacity to understand the concept of Computer Aided Drug Discovery</li> <li>• Ability to assess different parameters involved in QSAR studies</li> <li>• Understand the concept of combinatorial synthesis in solid and liquid phases</li> </ul>
<p><b>9R01705-Pharmacy Administration</b></p>	<ul style="list-style-type: none"> <li>• Understanding on the principles of drug store and community pharmacy administration</li> <li>• To perform a role in building national economy and national health</li> <li>• To contribute on the goals of production management for new product development</li> <li>• To understand the product marketing strategies</li> </ul>
<p><b>9R01706-Industrial Training and Seminar</b></p>	<ul style="list-style-type: none"> <li>• Students acquire skills to handle real time projects</li> <li>• Ability to undertake assignments to perform in a team</li> <li>• Develop necessary skills for presentations</li> </ul>
<p><b>9R01801-Novel drug delivery systems and</b></p>	<ul style="list-style-type: none"> <li>• Ability to prepare novel drug delivery systems like matrix tablets, transdermal patches, alginate beads etc</li> <li>• To perform evaluation of novel drug delivery systems</li> <li>• Understand the importance of drug regulatory agencies</li> </ul>

<p><b>Regulatory affairs</b></p>	<ul style="list-style-type: none"> <li>• Ability to apply the validation parameters on analytical methods</li> </ul>
<p><b>9R01802 - Pharmaceutical Biotechnology</b></p>	<ul style="list-style-type: none"> <li>• Ability to perform isolation of antibiotic producing microorganism from soil</li> <li>• Ability to determine minimum inhibitory concentration of an antibiotic</li> <li>• Ability to perform microbiological assays</li> <li>• Ability to perform stability studies of pharmaceutical products</li> </ul>
<p><b>9R01803 – Medicinal Chemistry</b></p>	<ul style="list-style-type: none"> <li>• Knowledge on classification and mechanism of action of medicinal drugs</li> <li>• Understand the structural activity relationship of chemotherapeutic agents</li> <li>• Ability to perform assay of some drugs from their formulations</li> <li>• Apply the knowledge of medicinal chemistry for synthesis of new compounds</li> </ul>
<p><b>9R01804- Pharmacognosy III</b></p>	<ul style="list-style-type: none"> <li>• Ability to detect the adulteration in crude drugs</li> <li>• Ability to perform phytochemical screening of various groups of phyto constituents</li> <li>• Understand the concept of alternative system of medicine</li> <li>• Understand the status of herbal drug industry and herbal drug research in India</li> </ul>
<p><b>9R01805-Clinical Pharmacy and Therapeutics</b></p>	<ul style="list-style-type: none"> <li>• Ability to discuss the controversies in drug therapy</li> <li>• Ability to perform the therapeutic approach to management of diseases</li> <li>• Ability to identify the patient specific parameters relevant in monitoring therapy</li> <li>• Understand the importance of individualized therapeutic plans based on diagnosis</li> </ul>
<p><b>9R01806-Project work &amp; Comprehensive Viva</b></p>	<ul style="list-style-type: none"> <li>• Students acquire a skill to perform a project work</li> <li>• Ability to compile data collected at their research work</li> <li>• Ability to exhibit their presentation skills</li> <li>• Ability to work in a team</li> </ul>

### 2.1.2. State how and where the POs are published and disseminated (3)

The Program Outcomes are published at

- ❖ *College website* <http://www.svcop.in/>
- ❖ *Curriculum books (Academic Calendar)*
- ❖ *Notice boards*
- ❖ *Lesson Plans*

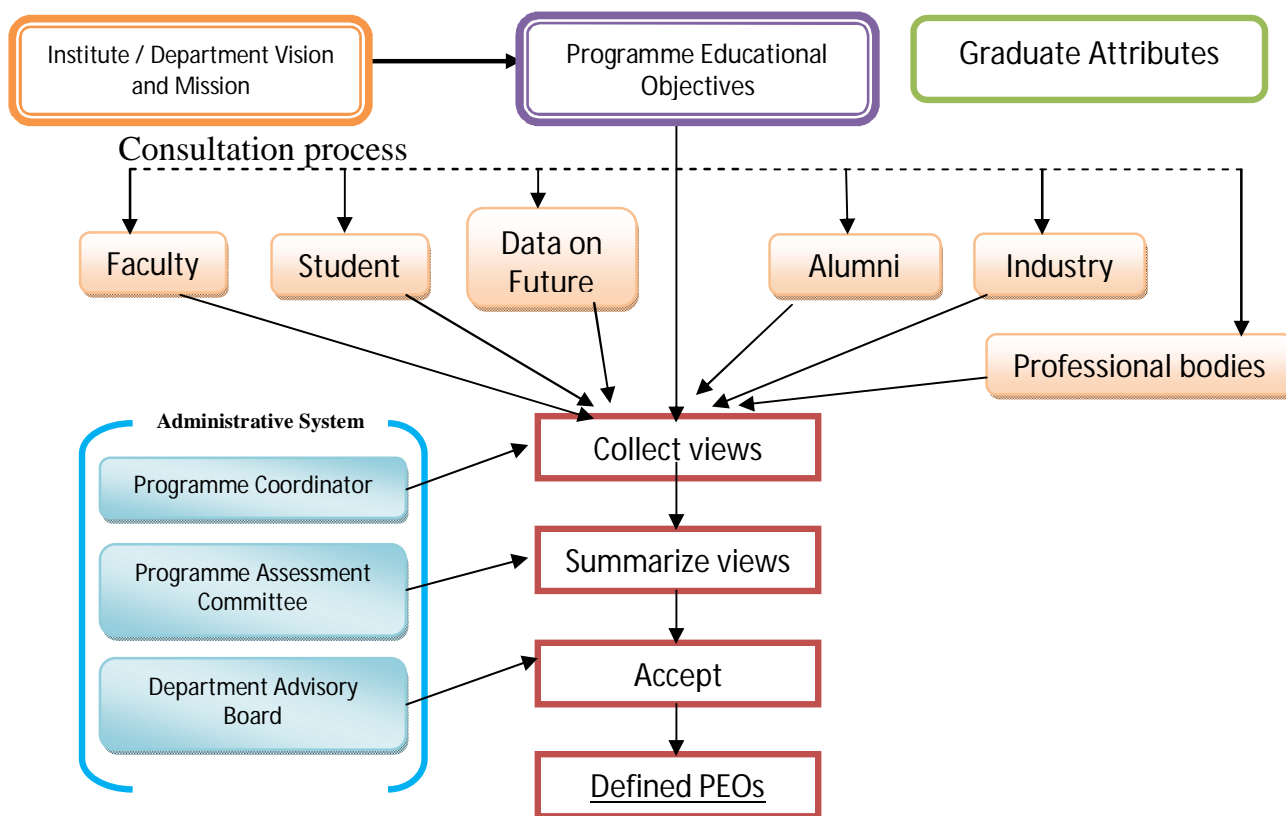


❖ *College Brochure*

Apart from this, Program outcomes are made reachable to all the stakeholders of the program through education, faculty workshops, student awareness workshops, programs, student orientation programs and faculty meetings.

**2.1.3. Indicate the processes employed for defining of the POs (5)**

Program Outcomes are established through the consultation process with stake holders keeping the Graduate Attributes defined by NBA as basis. Department Vision, Mission and Program Educational Objectives are also kept in view. The professional society namely ACM guidelines on curriculum and graduate outcomes are also considered in The detailed establishment process is depicted in the below figure.



**Process for defining PEOs**

**2.1.4. Indicate how the defined POs are aligned to the Graduate Attributes prescribed by the NBA (5)**

The Graduate Attributes of NBA and the Program Outcomes defined for the program are aligned to each other as shown in Table.

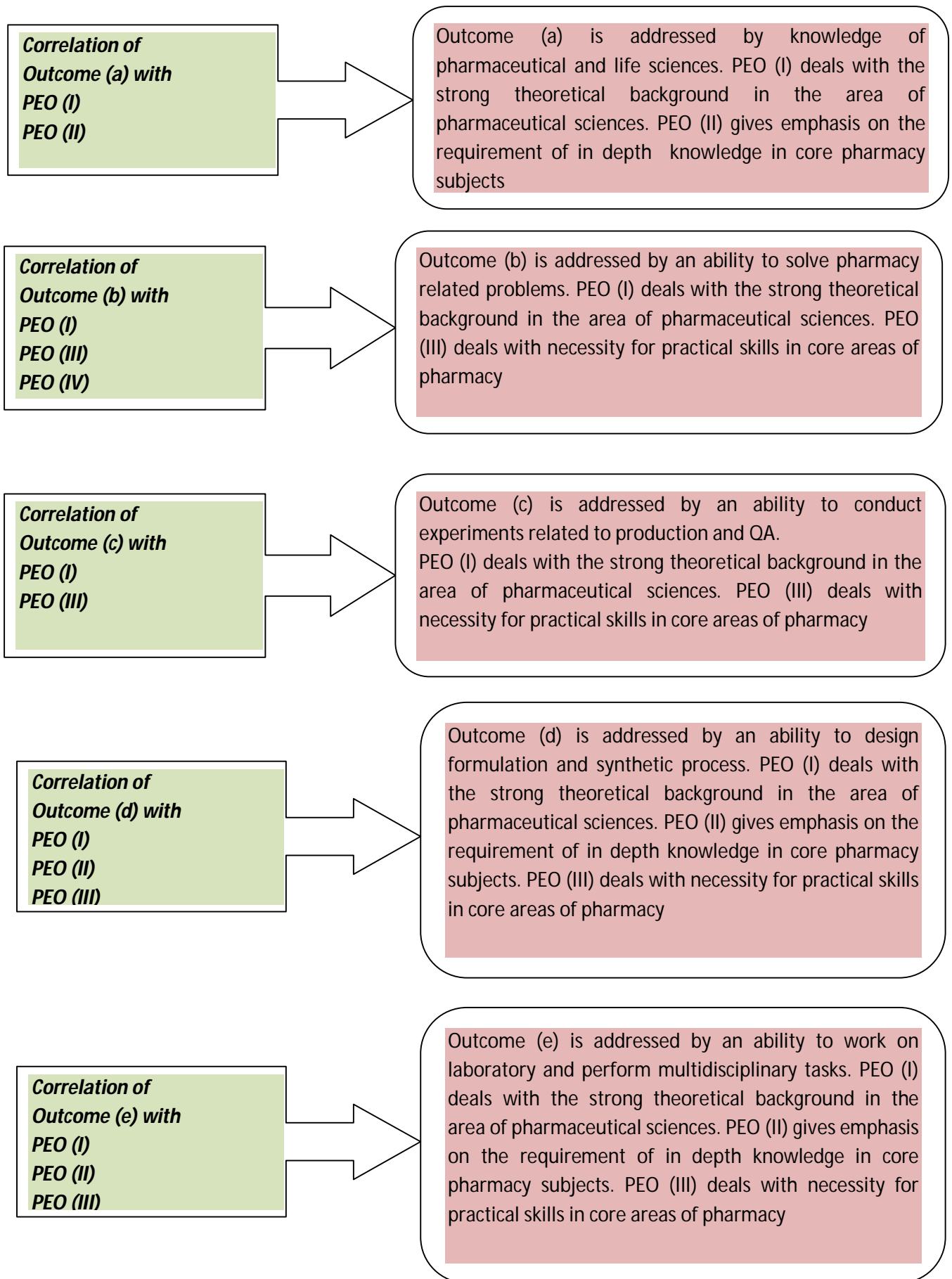
Alignment of Graduate Attributes to Programme Outcomes

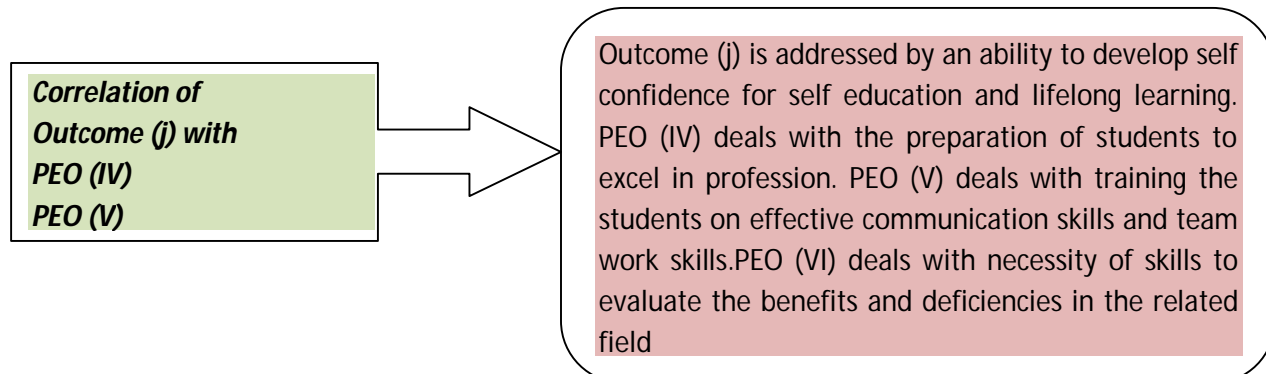
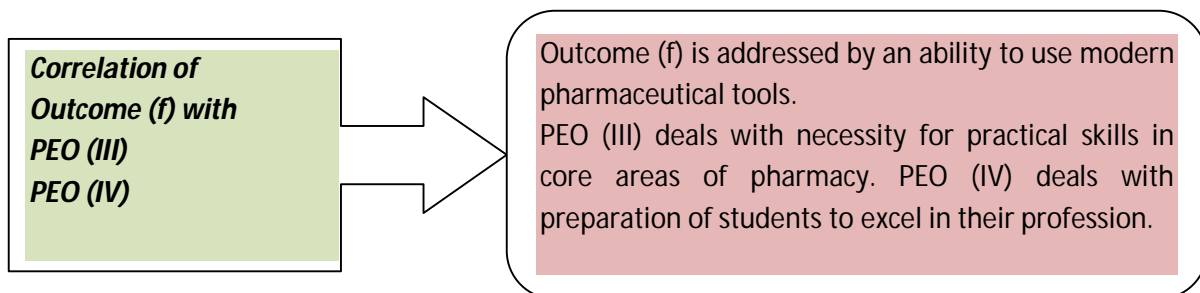
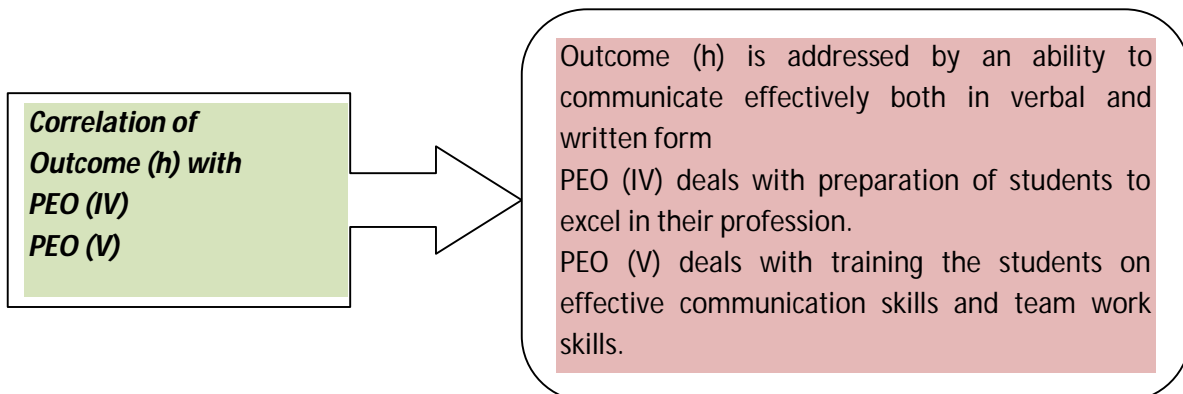
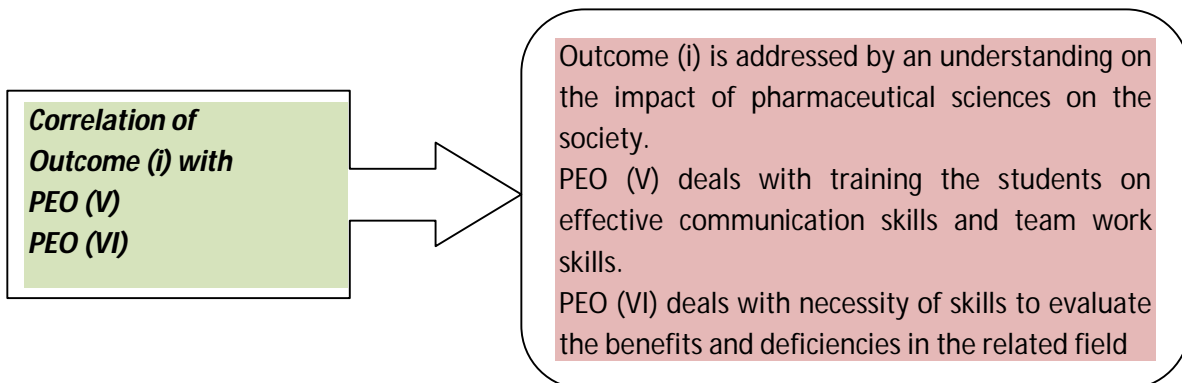
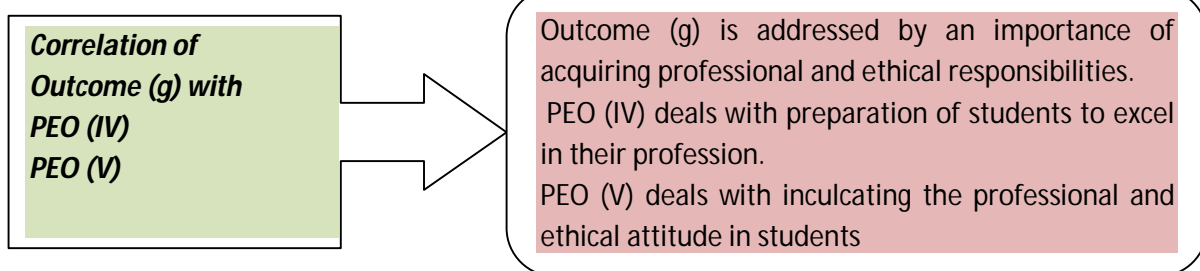
Graduate Attributes	Programme Outcomes											
	a	b	c	d	e	f	g	h	i	j	k	l
Pharmacy Knowledge	X	X	X	X	X						X	X
Problem Analysis			X		X						X	X
Design and Development of solutions		X	X	X								
Modern tool usage						X						
The Pharmacist and society							X		X			
Environment and sustainability						X	X					
Ethics							X					
Individual and Team work					X	X						
Communication								X		X	X	X
Project Management			X						X		X	
Life-long learning									X	X		

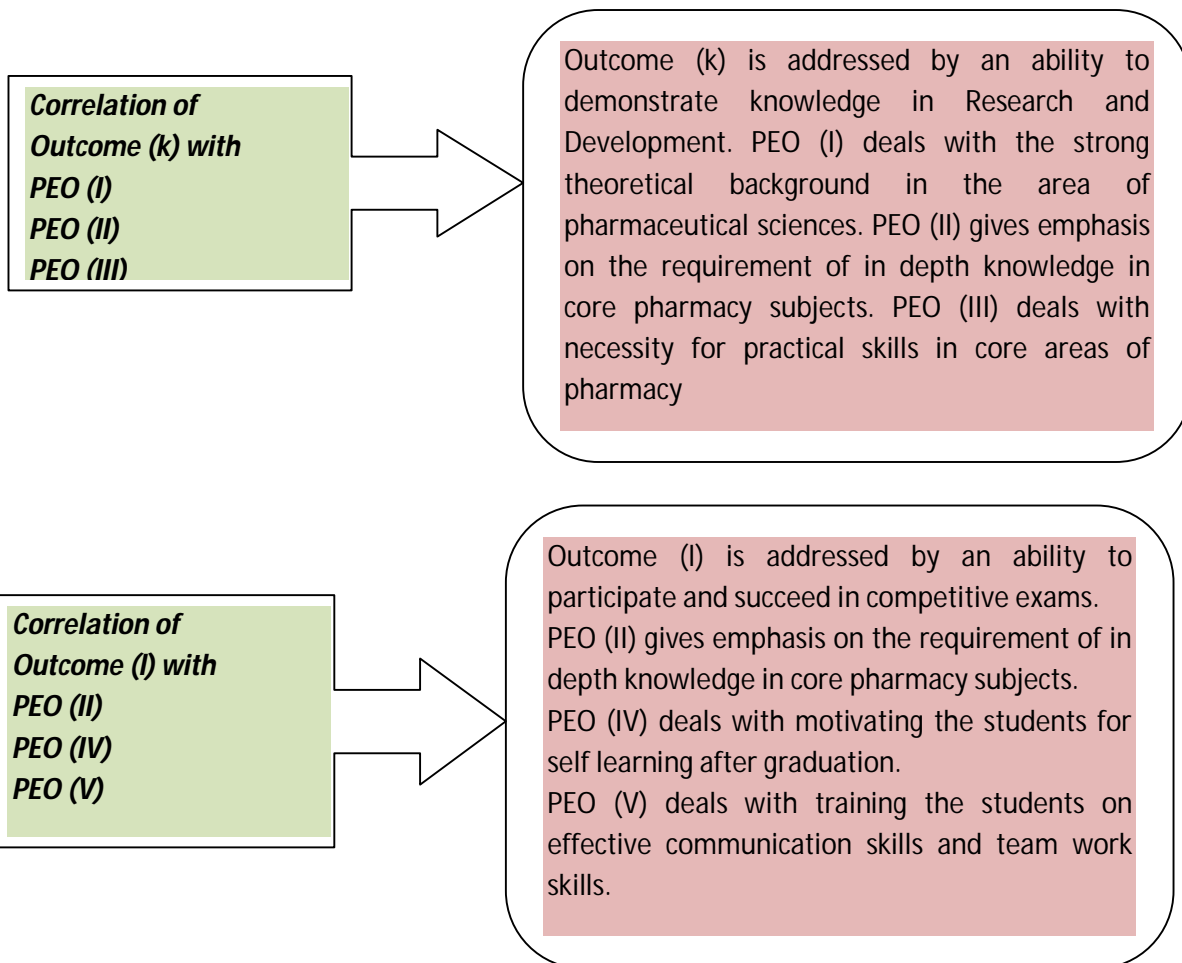
2.1.5. Establish the correlation between the POs and the PEOs (10)

Mapping between Programme Outcomes and Programme Educational Objectives

PROGRAMME EDUCATIONAL OBJECTIVES	PROGRAMME OUTCOME											
	a	b	c	d	e	f	g	h	i	j	k	l
I	X	X	X	X	X						X	
II	X			X	X						X	X
III		X	X	X	X	X					X	
IV		X				X				X		X
V							X	X	X	X		X
VI									X	X		







## 2.2. Attainment of Programme Outcomes (40)

### 2.2.1. Illustrate how course outcomes contribute to the POs (10)

*(Provide the correlation between the course outcomes and the programme outcomes. The strength of the correlation may also be indicated)*

The program outcomes are achieved through curriculum that offers a number of mandatory courses as well as elective courses. Each course has defined course outcomes that are mapped to the program outcomes and a set of performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved.

The linkage among program outcomes and course outcomes is shown in Table 2.4. The course outcomes are thus directly and quantitatively assessed, and are tied to the program outcomes as shown in the course syllabi. Therefore if the course outcomes are met, the program outcomes are met.

# NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

Following Table illustrates the correlation between course outcomes and programme outcomes.

1 – Moderately correlated

2- Strongly correlated

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
<b>9RBS101 - Remedial Mathematics / 9RBS102 Remedial biology</b>	2	1									2	
Apply the knowledge of mathematics for solving different problems related to pharmacy.	2	1									2	
The subject gives introduction to various classes of plants and animals	2										2	
<b>9RBS103 – English</b>	1						1			1		1
To maintain good linguistic competence-through accuracy in grammar, Pronunciation & Vocabulary.							1			1		1
To acquire strategic competence to use both spoken & written language to use in a wide range of communication strategies	1						1			1		1
Ability to listen to English spoken by educated English speakers and respond appropriately in different socio-cultural and professional contexts.	1						1			1		1
<b>9R01101 - Dispensing and Hospital Pharmacy</b>	1	2		2							1	
An ability to identify the different pharmaceutical preparations	1	2										
An ability to monitor a patient medication history	1	2							1		1	
To apply the knowledge on maintenance of purchase and inventory control of drug store	1	1									1	
<b>9R01102 – Pharmaceutical Inorganic Chemistry</b>	1								2	1	1	2
Understand the principles and procedures of analysis of drugs and also regarding the application of inorganic pharmaceuticals	1								2	1	1	2
Know the analysis of inorganic pharmaceuticals and their applications	1									2	1	
Appreciate the importance of inorganic pharmaceuticals in preventing and curing	1									1	1	

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
diseases												
<b>9R01103 – Pharmaceutical Organic chemistry</b>	1			1						1	1	1
An ability to identify the different class of organic compounds	1			1						1	1	
Ability to synthesize some organic compounds of medicinal interest	1			1						1	1	
An ability to assess the purity and strength of the medicinal compounds	1			1						1	1	
Students will understand the mechanism involved in the organic synthesis	1			1						1	1	1
<b>9R01104 – Anatomy, Physiology and Health Education</b>	1				2					1	2	2
An ability to describe the structure and functions of various organs of the human body	1				2					1	2	
Ability to perform the haematological tests and also record blood pressure, heart rate, pulse and respiratory volumes	1				2					1	1	2
Identify the various tissues and organs of the different systems of the human body	1				2					1	1	
<b>9RBS301 – Statistical Methods and Computer Applications</b>	1	2				2					1	2
Ability to apply the knowledge of statistical tools for comparative analysis of results in pharmaceutical and clinical studies	1	2				2					1	2
Apply the knowledge of MS office, Excel, Power point and Access for pharmaceutical and clinical studies.		2				1					1	2
To develop programs to calculate simple and arithmetic expressions		2				1					1	2
<b>9R01301 – Pharmaceutical Engineering I</b>	1		1	1							1	2
Ability to understand the working principles of equipments used for handling unit processes in pharmaceutical industries	1		1	1							1	2
To understand the various unit operations such as filtration, centrifugation etc and to assess the factors that contribute the pharmaceutical operations	1		1	2							1	2
To have a knowledge on industrial hazards and safety precautions to be followed.	1		1	2							1	

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
<b>9R01302 – Pharmaceutical Organic Chemistry II</b>	1		2	1	2	2					1	1
An ability to write the structures of different heterocyclic compounds of medicinal interest	1			1							1	1
An ability to classify and explain the properties of carbohydrates, aminoacids, proteins, glycosides and lipids	1			1		2					2	2
An ability to write the mechanism and application involved in the synthesis of compounds	1			1		2					2	2
To know the stereochemistry of carbon compounds	1			1	2						2	
Students can perform systematic analysis of organic binary mixtures	1		2	1							2	
<b>9R01304 – Physical Pharmacy I</b>	1			1							2	2
Understand the different physical properties of drug molecules	1			1							2	2
Understand the importance of buffers and buffer system in pharmaceutical and biological system	1			1							2	2
<b>9R01305 – Anatomy, Physiology and Pathophysiology</b>	1				1						2	2
To perform the analysis of normal and abnormal contents of urine.	1				2						2	2
Students can describe the etiology and pathogenesis of the selected disease states	1				2						2	2
Ability to apply the knowledge of structure and functions of various physiological systems	1				2						2	
To perform physiological experiments on nerve muscle preparations	1				2						2	
<b>9RBS405-Environmental Science</b>	1								1		1	
Understand the concept of eco system	1								1		1	
Understand the importance of biodiversity and its conservation									1			
Perform the case studies on environmental pollution and disaster management									1		1	
Ability to organize family welfare programmes									1		1	
<b>9R01401 – Pharmaceutical Engineering II</b>	1	1	2	1					1		2	
Understand the principle and application of various unit operations involved in pharmaceutical preparations	1	2	1						2		2	



Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
Ability to assess the factors influencing the operating processes	1	1	2	1							1	
Ability to assess and fix optimum conditions for unit operations	1	1		1							1	
Ability to assess the efficiency of the operating equipments	1	1	2	1							2	
<b>9R01402 Pharmaceutical Analysis I</b>	<b>1</b>		<b>1</b>			<b>1</b>				<b>1</b>	<b>1</b>	<b>1</b>
Understand and perform the chemical method of analysis of drugs	1		1			1					1	
Ability to check the purity and strength of the drug formulations	1		2			2					2	
Ability to perform analysis of drugs using Fluorimetry, nephelo turbidimetry and flame photometry	1		1			2					1	1
Understand the different separation techniques and their applications in analysis of drugs	1		1			1					1	1
<b>9R01403 – Pharmacognosy I</b>	<b>1</b>								<b>2</b>		<b>1</b>	<b>1</b>
Ability to perform physical and chemical methods of evaluation of crude drugs containing carbohydrates and fixed oils	1								2		1	1
Understand the strategy to obtain improved cultivation of medicinal plants	1								2			
To perform systematic pharmacognostic study of crude drugs containing carbohydrates, lipids and volatile oils	1								1		1	1
<b>9R01404 – Physical Pharmacy II</b>	<b>1</b>			<b>2</b>							<b>2</b>	<b>2</b>
Ability to apply the knowledge of solubility in pharmaceutical preparations	1			2							2	
Apply the concept of interfacial phenomena and rheology in suspensions and emulsions	1			2							2	2
To assess the rate of order of reaction involved in stabilization of medicinal agents	2			2							2	
<b>9R01501 – Pharmaceutical Biochemistry</b>	<b>1</b>				<b>1</b>	<b>2</b>					<b>1</b>	<b>2</b>
Understand the catalytic activity of enzymes and importance of isoenzymes in diagnosis of diseases	1				1						1	2
The ability to know the metabolic process of biomolecules in health and illness	1				1						1	1
Ability to perform the quantitative analysis and determination of	1				1	2					1	2

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
biomolecules in body fluids												
Perform the estimation of normal and abnormal physiological levels in Urine and blood samples	1				1	2					1	1
<b>9R01502– Pharmaceutical Microbiology</b>	1								1	2	1	2
Know the anatomy, identification, growth factors and sterilization of microorganisms	1								1			
Know the mode of transmission of disease causing microorganisms, symptoms of disease and treatment aspects	1								1	2	1	2
Perform the estimation of RNA and DNA and identify the source	1								1	2		
Perform the cultivation and identification of microorganisms in the laboratory	1								1	2		
Identification of diseases by performing the diagnostic tests	1								1		1	2
<b>9R01503 – Pharmacognosy II</b>	1			2							1	2
Ability to perform the pharmacognostical study on glycoside containing drugs	1			2							1	2
Ability to perform the pharmacognostical study on alkaloid containing drugs	1			2							1	2
Perform the identification tests on enzymes	1			2							1	2
Understand the metabolic pathways of secondary metabolites of pharmaceutical importance	1			2							1	2
<b>9R01504 - Pharmaceutical Technology I</b>	1	2	1	1		1					1	1
Formulation of various dosage forms containing drugs	1	2	1								1	1
Formulation of various types of cosmetics	1	2	1								1	1
Perform the evaluation of prepared dosage forms	1	2	1	1		1					1	1
Perform the evaluation of cosmetic preparations	1	2	1	1		1					1	1
<b>9R01505– Pharmacology I</b>	1				1						1	1
Understand the principles of drug discovery and phases of drug development	1				1						1	1
Understand the pharmacological aspects of drug action	1				1						1	1
Ability to assess the mechanism of action of a drug	1				1						1	1

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
Ability to assess the drug interactions	1				1						1	1
<b>9R01601 – Medicinal Chemistry I</b>	1			1		2			2	1	1	1
Understand the concept of physio chemical properties of drug molecules in relation to drug activity	1			1		2					1	1
To assess Structural Activity relationship of drugs of therapeutic interest	1			1		2			2	1	1	1
To perform synthesis of some medicinal compounds and their analogues	1			2		2			1		1	1
To perform qualitative analysis of some functional groups	1			1		2			1		1	1
<b>9R01602 – Pharmaceutical Technology II</b>	1	1	1			1				2	1	2
Ability to evaluate different pharmaceutical preparations like capsules, tablets, parenterals etc	1	1	1			2				1	1	2
Ability to perform evaluation on materials used for packaging such as glass, plastic, rubber closures etc	1	1	1			1				1	1	2
<b>9R01603 – Pharmacology II</b>	1				1				2	1	1	1
Ability to handle animals like frog, mice, rat and rabbit	1				1				2	1	1	
Ability to administer drugs for animals by various routes	1				1					1	1	1
Ability to perform experiments on isolated preparations such as isolated frog heart and rectus abdominus muscle preparation of frog	1				1				2	1	1	1
To perform bioassays	1				1				2		1	
<b>9R01604 – Chemistry of Natural Drugs</b>	1			1	2					1	1	1
Ability to perform different identification tests for natural drugs	1			1	2					1	1	1
Perform the extraction of substances for natural products	1				2					1	1	1
Perform separation techniques and identify the compounds	1			1						1	1	
Understand the significance of naturally occurring drug resources	1			1	2					1	1	
<b>9R01605 – Pharmaceutical Jurisprudence</b>	1						1			2		2
Ability to practice the Professional ethics	1						1			2		2
Understand the various concepts of the pharmaceutical legislation in India	1						1					2
Know the various parameters in drugs and cosmetics act and rules	1						1			2		2

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
Understand the labeling requirements and packaging guidelines for drugs and cosmetics	1						1			2		2
<b>9AHS601 – Advanced Communication Skills Lab</b>							1	1		2		2
Improve communication skills							1	1		2		2
Train students for effective usage of language in group discussions and sharpen public speaking skills								1		2		
Enhance the confidence of students to face competitive exams										2		2
<b>9R01701 – Pharmaceutical Analysis II</b>	1		1		2	1				2	1	1
Understand the principle and application of different analytical instruments used in pharmaceutical industries	1		1		2	1				2	1	
Ability to perform quantitative analysis of drugs form different dosage forms using various analytical tools	1		1		2	1				2	1	1
Ability to interpret the analytical data and identify the structure of the compound	1		1		2	1				2	1	1
An ability to perform separation techniques for subsequent analysis of mixture of components	1		1		2	1					1	1
<b>9R01702- Biopharmaceutics and Pharmacokinetics</b>	1	1	1	1		2			2	2	1	1
To perform the analysis of biological specifications for drug content and estimate the pharmacokinetic parameters	1	1	1	1		2					1	1
An ability to perform In vitro evaluation of different dosage forms for drug release kinetics	1	1	1	1		2			2	2	1	1
Ability to apply statistical tools for assessment of pharmaceutical data	1	1	1	1						2	1	1
Ability to perform <i>Invitro</i> and <i>Invivo</i> correlation	1	1								2	1	1
<b>9R01703 – Pharmacology III</b>	1	2			1				2	2	1	1
Ability to perform experiments on isolated preparations	1	2			1				2	2	1	1
Understand the significance of chemotherapeutic agents	1	2			1				2	2	1	
Ability to assess the treatment for poisoning	1	2							2	2	1	
Ability to perform multipoint assays	1	2							2	2	1	
<b>9R01704 – Medicinal Chemistry II</b>	1			1		1			1	2	1	1

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
Understand the biological sources and structures of some important antibiotics	1			1					1	2	1	
Capacity to understand the concept of Computer Aided Drug Discovery	1			1		1				2	1	
Ability to assess different parameters involved in QSAR studies	1					1				2	1	1
Understand the concept of combinatorial synthesis in solid and liquid phases	1					1					1	
<b>9R01705 – Pharmaceutical Administration</b>	1	2	2	1					1	1		
Understanding on the principles of drug store and community pharmacy administration	1	2							1	1		
To perform a role in building national economy and national health	1								1	1		
To contribute on the goals of production management for new product development	1		2						1	1		
To understand the product marketing strategies	1			1					1	1		
<b>9R01706– Industrial Training and Seminar</b>	1	1	1	1		1			1			
Students acquire skills to handle real time projects	1	1	1	1		1			1			
Ability to undertake assignments to perform in a team	1	1	1	1		1			1			
Develop necessary skills for presentations	1					1			1			
<b>9R01801 – Novel Drug Delivery systems &amp; Regulatory Affairs</b>	1	1	1	1		1				1	1	1
Ability to prepare novel drug delivery systems like matrix tablets, transdermal patches, alginate beads etc	1	1	1								1	1
To perform evaluation of novel drug delivery systems	1	1	1			1					1	1
Understand the importance of drug regulatory agencies	1	1	1							1	1	
Ability to apply the validation parameters on analytical methods	1	1	1								1	1
<b>9R01802 – Pharmaceutical Biotechnology</b>	1					1			2	2	1	2
Ability to perform isolation of antibiotic producing microorganism from soil	1					1			2	2	1	
Ability to determine minimum inhibitory concentration of an antibiotic	1					1			2	2	1	
Ability to perform microbiological assays	1					1				2	1	

Course Outcome	Programme Outcome											
	a	b	c	d	e	f	g	h	i	j	k	l
Ability to perform stability studies of pharmaceutical products	1					1				2	1	2
<b>9R01803 – Medicinal Chemistry</b>	1			1		1			2	2	1	1
Knowledge on classification and mechanism of action of medicinal drugs	1			1		1					1	1
Understand the structural activity relationship of chemotherapeutic agents	1			1		1			2	2	1	1
Ability to perform assay of some drugs from their formulations	1			1		1			2	2	1	1
Apply the knowledge of medicinal chemistry for synthesis of new compounds	1			1		1				2	1	1
<b>9R01804– Pharmacognosy III</b>	1								2	2	1	1
Ability to detect the adulteration in crude drugs	1									2	1	
Ability to perform phytochemical screening of various groups of phyto constituents	1									2	1	1
Understand the concept of alternative system of medicine	1								2	2	1	1
Understand the status of herbal drug industry and herbal drug research in India	1								2	2	1	
<b>9R01805 – Clinical Pharmacy and Therapeutics</b>	1	1			1	2			1	1	1	2
Ability to discuss the controversies in drug therapy	1	1			1	2				1	1	
Ability to perform the therapeutic approach to management of diseases	1	1			1	2				1	1	
Ability to identify the patient specific parameters relevant in monitoring therapy	1	1			1	2				1	1	2
Understand the importance of individualized therapeutic plans based on diagnosis	1	1			1	2					1	
<b>9R01806 – Project Work &amp; Comprehensive viva</b>	1	1	1	1	1	1				1	1	
Students acquire a skill to perform a project work	1	1	1								1	
Ability to compile data collected at their research work	1					1					1	
Ability to exhibit their presentation skills	1									1	1	
Ability to work in a team	1									1	1	

2.2.2. Explain how modes of delivery of courses help in attainment of the POs (10)

**Course Delivery Methods**

- Regular Lectures
- Tutorial Hours
- Bridge Classes
- Remedial Classes
- Seminars
- Journal Club
- Hands on training
- Case studies / Mini Projects

Course Delivery Methods	Programme Outcome	Justification
Regular Lectures	PO (a), PO (b), PO (c), PO (d)	This is a conventional and an efficient way of conveying a message to a large group of students
Tutorial Hours	PO (a), PO (b), PO (e), PO (l)	Students get a chance to interact effectively with faculty to clarify their doubts. They are also given exposure for different activities such as quiz and debates related to concerned subjects
Bridge Class	PO (a)	Students securing poor marks in class test and first internal exam were identified and given extra coaching to improve their results
Remedial Class	PO (a)	Students with backlogs are given extra coaching and trained to perform better in their supplementary exams
Seminars	PO (a), PO (h), PO (j)	This type of delivery mode motivates students and enhances their self learning and presentation skills
Journal Club	PO (a), PO (j), PO (k)	It gives a platform for the students to know current research prospects in their field
Hands on training	PO (a), PO (j), PO (k)	This provides students an opportunity to handle things on their own
Case Studies / Mini Projects	PO (a), PO (f), PO (j), PO (k)	Students gain a habit of self learning and learn to compile the findings
Audio – Visual Presentations	PO (a), PO (f), PO (j), PO (k)	This is a modern technique that make the session interesting and helps for better understanding of concepts.

**2.2.3. Indicate how assessment tools used to assess the impact of delivery of course/course content contribute towards the attainment of course outcomes/programme outcomes (10)**

**DIRECT ASSESSMENT TOOLS**

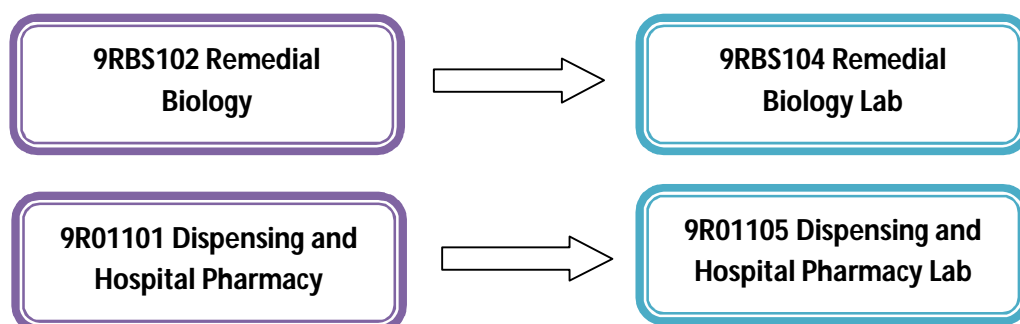
- **Assignments:** The assignments are designed to assess student's knowledge in pharmacy subjects and problem solving.
- **Internal Exams:** The programme outcomes are assessed by the performance of students in the internal exams conducted twice in a semester. The internal exam question paper comprises of objective and descriptive type questions. The objective type questions include multiple choice questions and fill in the blanks. Objective type questions are obtained directly from the University through Electronic Distribution of Examination Papers (EDEP) system.
- **Semester End Examinations:** Semester end examinations is an important tool for assessing whether all the POs are attained or not. Examination is more focused on attainment of programme outcomes and course outcomes using descriptive exam.

**INDIRECT ASSESSMENT TOOLS**

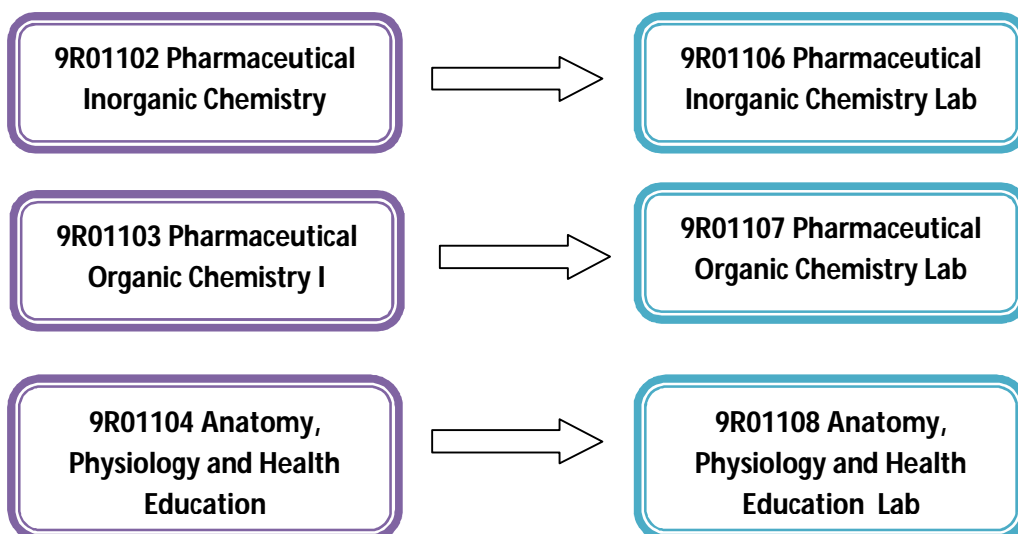
- **Alumni Survey:** Alumni survey was done once in a year to assess the programme and course outcomes
- **Employer Survey:** Employer survey was done once in a year to assess the programme and course outcomes

**2.2.4. Indicate the extent to which the laboratory and project course work are contributing towards attainment of the POs (10)**

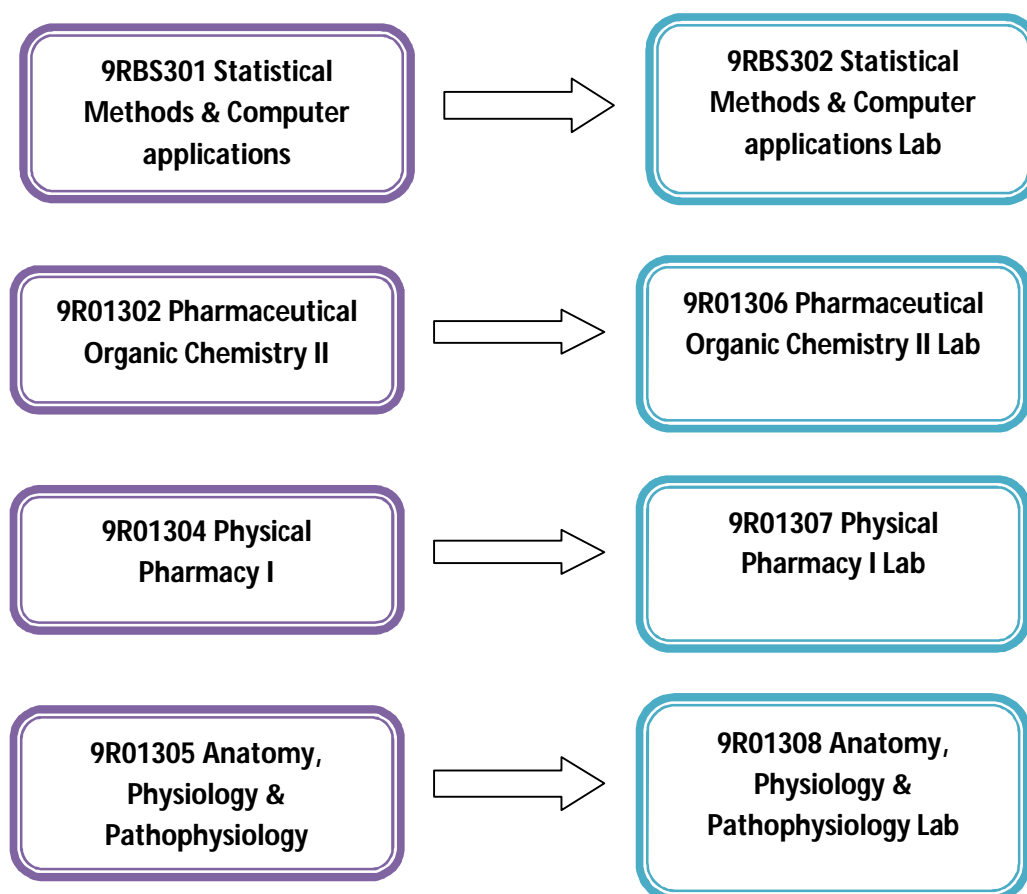
**B.Pharm – First Year (Non Semester)**



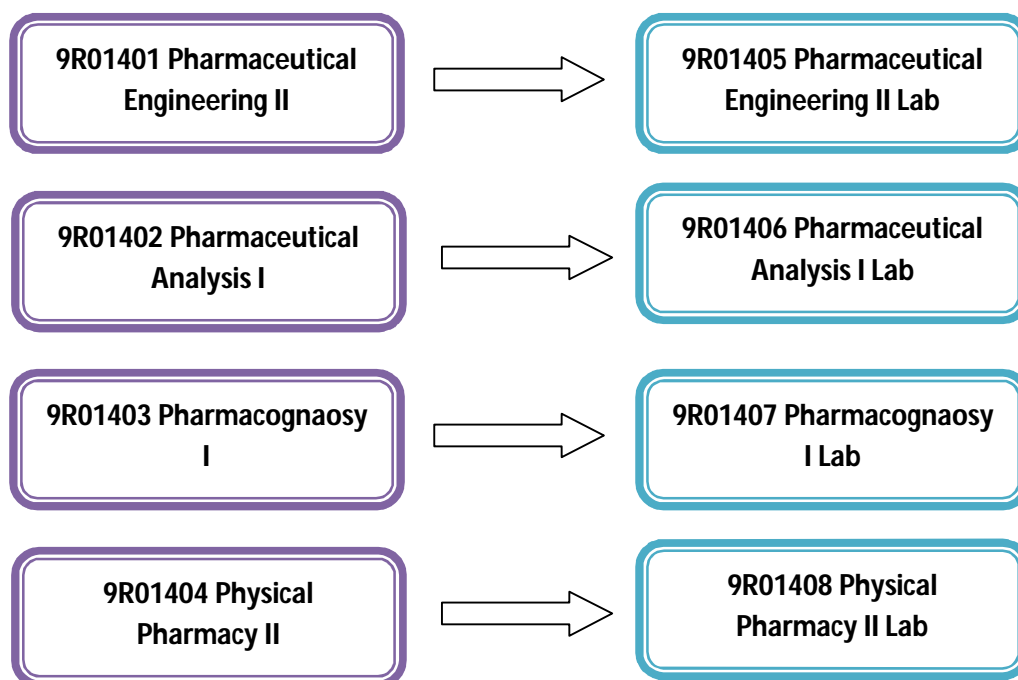




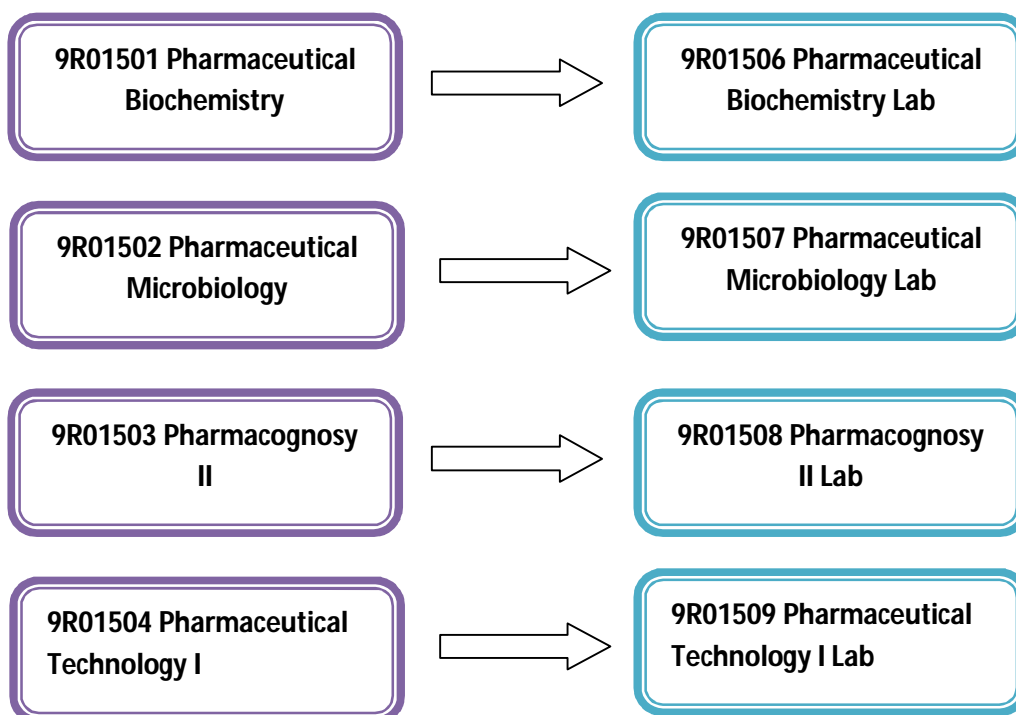
**B.Pharm – Second Year (First Semester)**



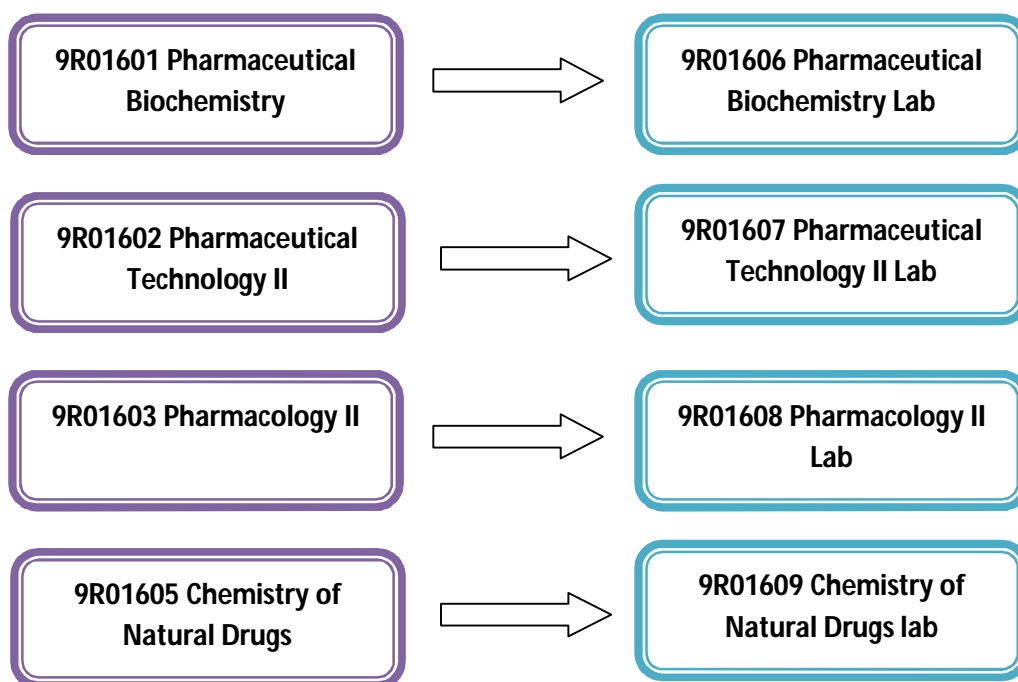
**B.Pharm – Second Year (Second Semester)**



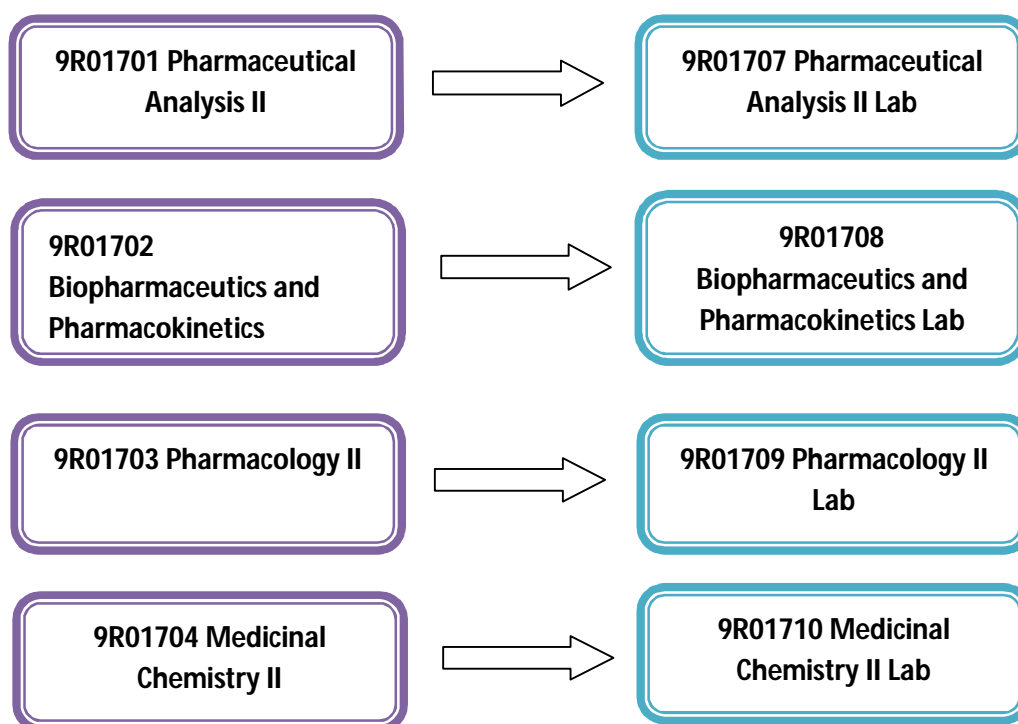
**B.Pharm – Third Year (First Semester)**



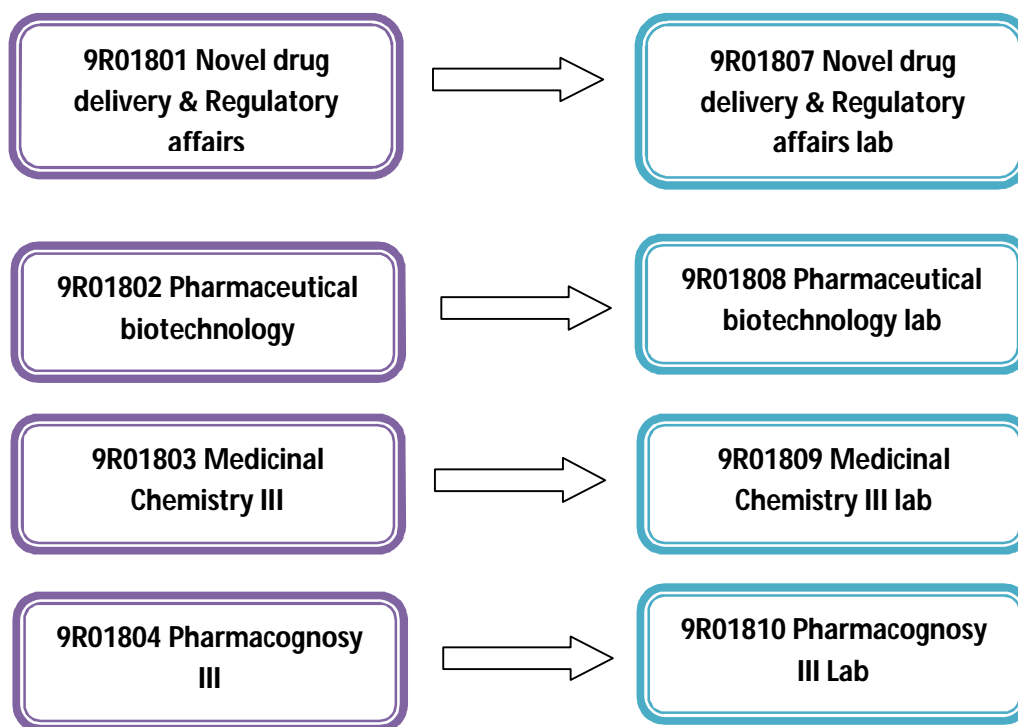
**B.Pharm – Third Year (Second Semester)**



**B.Pharm – Final Year (First Semester)**



**B.Pharm – Final Year (Second Semester)**



Each Practical subject comprises of 10-15 experiments as prescribed in the syllabus by the university. However 1 or 2 experiments are also conducted beyond the specified list, but within the scope of the subject. The subject instructor prepares a laboratory manual explaining the principle and procedure of the listed experiments.

**Attainment of Programme Outcomes through Practical Sessions**

Graduate Attributes	Programme Outcomes											
	a	b	c	d	e	f	g	h	i	J	k	l
<b>9RBS104 Remedial Biology Lab</b>	X	X									X	
<b>9R01105 Dispensing and Hospital Pharmacy Lab</b>	X	X		X							X	
<b>9R01106 Pharmaceutical Inorganic Chemistry lab</b>	X			X						X	X	X
<b>9R01107 Pharmaceutical Organic Chemistry lab</b>	X									X	X	X
<b>9R01108 Anatomy, Physiology and Health Education lab</b>	X				X					X	X	X
<b>9RBS302 Statistical Methods &amp; computer Applications Lab</b>	X	X				X					X	X
<b>9R01306 Pharmaceutical Organic Chemistry II Lab</b>	X		X	X	X	X					X	X
<b>9R01307 Physical Pharmacy I Lab</b>	X			X							X	X

9R01308 Anatomy, Physiology & Pathophysiology Lab	X				X						X	X
9R01405 Pharmaceutical Engineering II Lab	X	X	X	X					X		X	
9R01406 Pharmaceutical Analysis I lab	X		X			X				X	X	X
9R01407 Pharmacognosy I lab	X								X		X	X
9R01408 Physical Pharmacy II lab	X			X							X	X
9R01506 Pharmaceutical biochemistry lab	X				X	X					X	X
9R01507 Pharmaceutical Microbiology lab	X								X	X	X	X
9R01508 Pharmacognosy II lab	X			X							X	X
9R01509 Pharmaceutical Technology I lab	X	X	X	X		X					X	X
9R01606 Medicinal chemistry lab	X			X		X			X	X	X	X
9R01607 Pharmaceutical Technology lab	X	X	X			X				X	X	X
9R01608 Pharmacology II lab	X				X				X	X	X	X
9R01609 Chemistry of Natural Products lab	X			X	X					X	X	X
9AHS601 Advanced English Communication Skills lab	X						X	X		X		X
9R01707 Pharmaceutical Analysis II lab	X		X		X	X				X	X	X
9R01708 Biopharmaceutics and Pharmacokinetics lab	X	X	X	X		X			X	X	X	X
9R01709 Pharmacology III lab	X	X			X				X	X	X	X
9R01710 Medicinal Chemistry II lab	X			X		X			X	X	X	X
9R01706 Industrial Training and Seminar	X	X	X	X		X			X			
9R01807 Novel drug delivery systems and Regulatory affairs lab	X	X	X	X		X				X	X	X
9R01808 Pharmaceutical biotechnology lab	X					X			X	X	X	X
9R01809 Medicinal Chemistry lab	X			X		X			X	X	X	X
9R01810 Pharmacognosy III lab	X								X	X	X	X

**Project Work**

Students are encouraged to carry out in-house research projects as the institution is enriched with necessary facilities. Following table gives the list of project work carried out in different specializations. Project works were planned to reach the attainment of Pos (a), (b), (c), (d), (e), (f) and (k).

**B.PHARMACY**

**Register for Dissertation of B.Pharmacy Students  
Batch 2008 – 2012**

Sl no	Name of the Dissertation	Supervisor	Name of the Student	Roll no of the Student	Month & Year of the Submission
1	Dissolution enhancement of a poorly soluble drug roxithromycin by solid dispersion technique	N. Audi Narayana	A, Suneetha D. R.R. Raju P.C. Ganesh Raj I. Jagadesh Naik M. Aruna	08GT1R0001 08GT1R0008 08GT1R0013 08GT1R0018 08GT1R0033	APRIL-2012
2	Synthesis, Characterisation and biological evaluation of thiazola derivatives	D. Priya	B. Srinivasulu B. Symala M. Sujana M. Praveen Kumar	08GT1R0002 08GT1R0004 08GT1R0027 08GT1R0028	APRIL-2012
3	Hypolipidemic potential of crotonaria juncea against triton induced hyperlipidemic mice	K. Hari Kumar	B. Nivedita K. Monica M. Reddy Praveen Kumar P. Gajendra	08GT1R0003 08GT1R0021 08GT1R0026 08GT1R0028	APRIL-2012
4	Design and evaluation of programmed multiparticulate drug delivery system for rheumatoid arthritis	S. Brito Raj	B. Anil Kumar G. Sravain M. Veerupakshi N. Bhanu Priya S. Hari Prasad	08GT1R0005 08GT1R0011 08GT1R0030 08GT1R0035 07GT1R0012	APRIL-2012
5	Drug use evaluation study in various clinical setting to promote rational use of medicines	S. Wasim Raja	Ch. Sravani J. Sunitha S. Prathiba S. M. Azaruddin Y. S. Kumar	08GT1R0007 08GT1R0019 08GT1R0040 08GT1R0041 07GT1R0046	APRIL-2012
6	In-silico design, synthesis and hepatoprotective studies novel 1, 2,	B. Vijaya Kumar	G. Bharat Kumar Gaud G. Padmaleela K. Nirosha	08GT1R0010 08GT1R0016 08GT1R0022 08GT1R0044	APRIL-2012

## NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

	3, 4 tetrahydroquinazoline		R. Surekha K. Krishna Murthy	09GT5R0002	
7	Formulation and invitro characterization of deslartadine buccal patches	M. Jyostna	G. Naresh Kumar D. Guru Prasad S. Rojavathi R.R. Sravanthi	08GT1R0012 08GT1R0017 08GT1R0039 08GT1R0043	APRIL-2012
8	Screening on anticonvulsant and invitro anti-inflammatory activities of various leaf extract of vignna radiate (L.) wilezek	M. Nishanthi	G.M. Kusuma K. Suresh P. Poornima V.D.T. Basava Raju	08GT1R0014 08GT1R0023 08GT1R0037 09GT5R0006	APRIL-2012
9	Desing and evaluation of self emulsifying drug delivery system (Sedds) of acyclovir	Dr. Bhasker Reddy	G. Siva Kumar M. Sadiq M. Sowjanya S. Mehathaj	08GT1R0015 08GT1R0034 09GT1R0001 09GT5R0004	APRIL-2012
10	Formulation and evaluation of microbeads containing zidovudine as drug carrier	E. Mohanambal	K. Mahesa M. Sowmya Sree K. Shobana K. Satish T.S. Venuprasad	08GT1R0020 08GT1R0025 08GT1R0042 08GT1R0047 09GT5R0005	APRIL-2012
11	Development and validation of UV-Spectroscopic method for amlodipine besylate, olmesartan medoxomil and hydrochlorothiazide in bulk and in combined tablet dosage form	D. Jothieswari	L.S. Kumar M. Chittemma M. Ramki U. Masthan P. Sree Lskshmi	08GT1R0024 08GT1R0029 08GT1R0031 08GT1R0045 09GT5R0003	APRIL-2012

**B.PHARMACY**

**Register for Dissertation of B.Pharmacy Students  
Batch 2009 – 2013**

Sl no	Name of the Dissertation	Supervisor	Name of the Student	Roll no of the Student	Month & Year of the Submission
1	Development and validation of UV-spectroscopic method for eperisone hydrochloride in pure and tablet dosage form	D. Jyothieswari	T. Alekhya Ch. Hari Prasad K. Madhu Mohan S. Praveen Kumar	09GT1R0001 09GT1R0005 09GT1R0010 09GT1R0023	APRIL-2013
2	Formulation and in-vitro evaluation of metoprolol succinate matrix tablets	K. Bhaskar Reddy	A. Chandra Mouli P. Dora Babu P. Mahendra C. Ganga Bhavani	09GT1R0002 09GT1R0016 09GT1R0017 10GT5R0001	APRIL-2013
3	Hypolipidemic activity of ethanolic and methanolic extracts of echinocloa crusgalli in triton induced hyperlipidemic mice	K. Hari Kumar	B. Chandra Obul Reddy M. Nagendramma P. Ramesh P. Lavanya	09GT1R0003 09GT1R0015 09GT1R0021 10GT5R0003	APRIL-2013
4	Comparison of efficacy and safety of ocular hypotensives in glaucoma patients	S. Wasim Raja	C. Mahendra Reddy D. Mammatha M. Vydehi P. Nishanthi	09GT1R0004 09GT1R0013 09GT1R0014 09GT1R0018	APRIL-2013
5	Design and invitro evaluation of diclofenac-paracetamol dual release matrix type transdermal patch	S. Brito Raj	D.Nagesh Kumar J. Himavarshini P. Suguna V. Vijay	09GT1R0006 09GT1R0008 09GT1R0020 09GT1R0024	APRIL-2013
6	Comparative pharmacognostical studies on leaves of different varieties of aegle marmelos correa	R. Meenakshi Sundaram	G. Bala Krishna K. Prudhvi Raj R. Ganesh	09GT1R0007 09GT1R0012 09GT1R0022	APRIL-2013
7	In-silico design of	B. Vijayakumar	K. Mahesh Kumar	09GT1R0011	APRIL-2013



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	novel quinazolin - 4(3H)- one derivatives for inhibition of metastasis associated in colon cancer 1(MACC 1) and multi drug resistance protein B homolog (EMRB)		Reddy P. Prashanthi K. Munitheja	09GT1R0019 10GT5R0002	
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## **B.PHARMACY**

### **Register for Dissertation of B.Pharmacy Students Batch 2010 – 2014**

Sl no	Name of the Dissertation	Supervisor	Name of the Student	Roll no of the Student	Month & Year of the Submission
1	In-silico interactions studies of novel quinazolin 4(3H) – one derivatives for their inhibitory action of different cancer	B. Vijayakumar	A. Priyadarshini B. Naveen P. Vennela Priya Md . Moinuddin	10GT1R0001 10GT1R0004 10GT1R0027 11GT5R0002	JUNE-2014
2	Antidiabetic activity of couroupita guianensis leaf extracts in alloxan induced diabetic mice	K. Harikumar	B. Kishore Kumar G.J. Hemalatha M. Bharath Kumar F.S.L. Steven	10GT1R0005 10GT1R0009 10GT1R0019 10GT1R0041	JUNE-2014
3	Formulation, evaluation and validation of biodegradable slow release lamivudine nanoparticles in cow urine	I. Sowkar Baig	C. Veeranjamma G. Vamsi Krishna P. Padmavathi S. Venkatesh	10GT1R0006 10GT1R0011 10GT1R0026 10GT1R0035	JUNE-2014
4	Prevalence of anemia and hypertension study among the college students	S.Wasim Raja	D. Venkatesh D. Divya Lakshmi G. Sreelekha S. Shanawaz	10GT1R0007 10GT1R0008 10GT1R0012 10GT1R0039	JUNE-2014
5	New analytical method for the quantitative estimation of dicloxacillin sodium as an active pharmaceutical ingredient and capsule dosage form	D. Jothieswari	G. Navaneetha N. Vinod R. Sandhya R.J. Naveen Kumar	10GT1R0010 10GT1R0025 10GT1R0033 10GT1R0034	JUNE-2014
6	Screening of hepatotoxicity activity	S. Brito Raj	G. Chandra Sekar K. Ravi Chandra	10GT1R0013 10GT1R0016	JUNE-2014

## NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

	in nano suspension drug delivery system congaing eclipta alba extract		N. Pranuthi J. S. Sabeena	10GT1R0024 10GT1R0038	
7	Phytochemical and pharmacological studies in leaves of cissus quadrangularis linn	S. Raja Sekhar	J. Mohan M. Madhavi P. Nikhila S.S. Kumar	10GT1R0015 10GT1R0022 10GT1R0029 10GT1R0040	JUNE-2014
8	Formulation and evaluation of levocetirizine fast disintegrating oral films	K. Bhaskar Reddy	K. Kranthi Kumar M. Shaleena T. Prabhu V. Moshipriya Y. Parthasaradhi Reddy	10GT1R0017 10GT1R0020 10GT1R0042 10GT1R0043 11GT5R0003	JUNE-2014
9	Evaluation of phytochemical and anti-obesity activity of sphaeranthus indicus linn (compositae)	R. Gandhimathi	M. Manoj Kumar P. Harinath P. Mohan S. Kavya	10GT1R0021 10GT1R0031 10GT1R0032 10GT1R0037	JUNE-2014
10	Pharmacognostical and anti-microbial studies on root of abutilon indicum linn (review)	R. Meenakshi Sundaram	M. Ramunaik P. Salman Khan Y. Anok A. Anjali	10GT1R0023 10GT1R0028 10GT1R0044 11GT5R0001	JUNE-2014

### **B.PHARMACY**

#### **Register for Dissertation of B.Pharmacy Students Batch 2011 – 2015**

Sl no	Name of the Dissertation	Supervisor	Name of the Student	Roll no of the Student	Month & Year of the Submission
1	In vitro anti oxidant and anti cancer potential of leaves of avicennia marina	G. Swarmalatha	A.N. Rajesh Chetty A. Theja A. Kalayani C. Vani	11GT1R0001 11GT1R0003 11GT1R0004 11GT1R0007	April-2015
2	Phytochemical and invitro antioxidant studies on roots of desmostachya bipinnate	R. Gandhimathi	Annangi. Aharnisha B. Haritha C. Janardhan Reddy D. Jayasurya	11GT1R0002 11GT1R0005 11GT1R0009 11GT1R0011	April-2015
3	Synthesis of quinazoline derivatives	D. Jothieswari	C. Raghavender Dandu Raja G. Leelavathi G. Thejaswi	11GT1R0006 11GT1R0013 11GT1R0016 11GT1R0018	April-2015
4	Cytotoxic and antiradical activities of extracts of rhizopora	B. Vijaya Kumar	C. Mounica K. Gayathri M. Yunush Shareef P. Kalaivani	11GT1R0008 11GT1R0021 11GT1R0033 11GT1R0037	April-2015

	apiculata(L)		S. Gnanasekar	11GT1R0044	
5	Development and validation of UV-spectrophotometric method for zidovudine in different solvents a comparative study	V. Rajani Sekhar	C. Niharika D. Keerthana E. Magesh K.H. Sai Sruthi	11GT1R0010 11GT1R0012 11GT1R0015 11GT1R0022	April-2015
6	Synthesis, characterization and biological evaluation of some novel N-mannich bases of benzimidazole derivatives	S. Raja Sekhar	D. Mahaboob Subani G. Pavan Kumar K. Sandhya K. Sreelatha	11GT1R0014 11GT1R0017 11GT1R0025 11GT1R0026	April-2015
7	Phytochemical screening of acalypha India and evaluation of its antimicrobial activities against respiratory pathogens	R. Meenakshi Sundaram		11GT1R0019 11GT1R0024 11GT1R0028 11GT1R0029	April-2015
8	Anti-Dementia activity of withania somnifera in scopolamine induced mice	K. Harikumar		11GT1R0020 11GT1R0030 11GT1R0035 11GT1R0036	April-2015
9	Formulation invitro characterization and evaluation of dual release low urine nanoparticle for treatment of fungal disease	I. Sowkar Baig		11GT1R0023 11GT1R0034 11GT1R0040 11GT1R0041	April-2015
10	Studies on the effect of dalbergia latifolia roxb extract on haloperidol induced tardive dyskinesia in rats	A. SravanaKumar		11GT1R0031 11GT1R0042 11GT1R0043 11GT1R0046	April-2015
11	Development and evaluation of capecitanine gastro-retentive floating	D.K. Sandeep	M.G. Jayasree S. Madhava Prasad S. Ravi Prasad T. Jasmine	11GT1R0032 11GT1R0045 11GT1R0048 11GT1R0052	April-2015

	tablets				
12	Formulation and invitro evaluation of solid lipid nanoparticles containing acyclovir	S. Brito Raj		11GT1R0038 11GT1R0054 11GT1R0059 11GT1R0060	April-2015
13	Antioxidant potential of flavonoid rich fractions of smilax china	S. Hemalatha		11GT1R0039 11GT1R0051 11GT1R0055 11GT1R0062	April-2015
14	Validated analytical method development for telmisartan in tablet dosage form by UV spectrophotometry	V. Gunasekaran		11GT1R0047 11GT1R0053 11GT1R0058 12GT5R0001	April-2015
15	Formulation and evaluation of floating microbeads containing famotidine	N. Audinarayana		11GT1R0049 11GT1R0050 11GT1R0056 11GT1R0057	April-2015

**2.3. Evaluation of the attainment of the Programme Outcomes (125)**

**2.3.1. Describe assessment tools and processes used for assessing the attainment of each PO (25)**

Describe the assessment process that periodically documents and demonstrates the degree to which the Programme Outcomes are attained. Also, include information on:












- a) Listing and description of the assessment processes used to gather the data upon which the evaluation of each the programme outcome is based. Examples of data collection processes may include, but are not limited to, specific exam questions, student portfolios, internally developed assessment exams, project presentations, nationally-normed exams, oral exams, focus groups, industrial advisory committee;
- b) The frequency with which these assessment processes are carried out.



POs	Assessment	Assessment Criteria	Data	Faculty	Goal
PO (a) PO (b) PO (c) PO (d) PO (e)	Performance in the Program	Students passed with distinction / First class in final Exams	Once in Semester	Examination Committee	70 – 80 %
	Performance during the Program	Students performance in internal exams	Twice in a Semester	Examination Committee	70 – 80%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PO (f)	Project Work	Skills demonstrated during project work	At the end of final year	Examination Committee	70 – 80 %
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
POs	Assessment	Assessment Criteria	Data	Faculty	Goal
PO (g)	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%

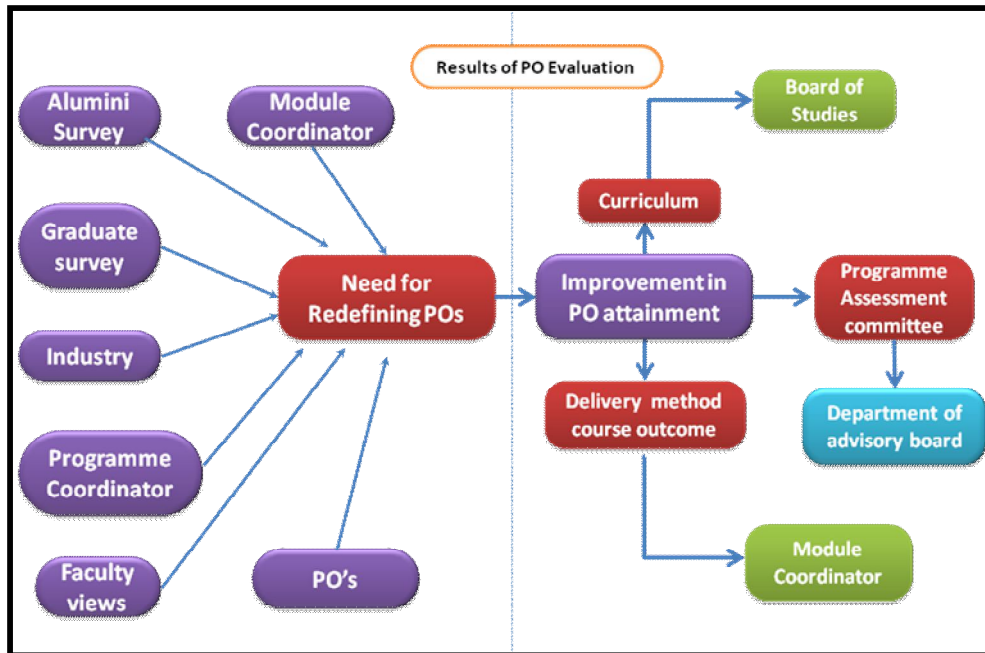
## NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PO (h)	Seminars	Communication skills and presentation skills	Once in Semester	Class Incharge	40 - 50%
	Co-Curricular Activities	Participation in inter-collegiate competitions	Once in Semester	Extracurricular activities committee	40 – 50 %
PO (i)	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
PO (j)	Alumni Survey	Students progress in employment	After 3 years of graduation	Alumni Committee	50 – 60%
	Employer survey	Performance of students at various levels	After 3 years of graduation	Alumni Committee	60 – 70%
	Journal Club	Skills to collect and present the research articles	In the final Year	Every batch	60 – 70%
	Survey of higher Education	Students pursuing higher education	Once in a year	Academic Committee	70 – 80%
PO (k)	Project Work	Skills demonstrated during project work	At the end of final year	Examination Committee	70 – 80 %
	Survey of higher Education	Students pursuing higher education	Once in a year	Academic Committee	70 – 80%
	Co-Curricular Activities	Participation in inter-collegiate paper presentations	Once in Semester	Extracurricular activities committee	40 – 50 %
	Entrance Exams (GATE, GPAT, PG CET, others)	Students qualifying with good ranks	Once in a Year	Academic Committee	50 – 60%
PO (l)	Survey of higher Education	Students pursuing higher education	Once in a year	Academic Committee	70 – 80%

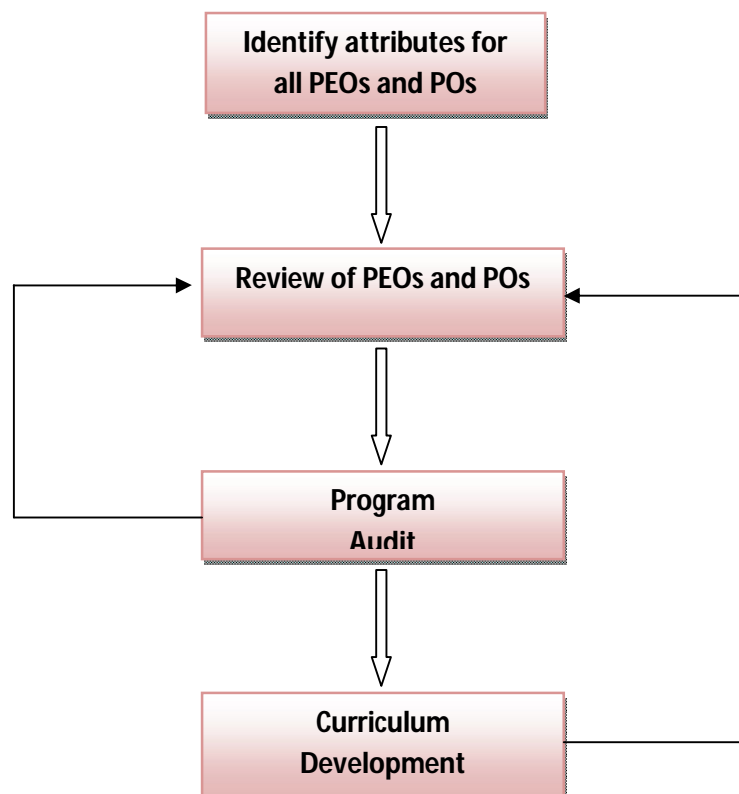
2.3.2. Indicate results of evaluation of each PO (100)

Attributes	Assessment Method	Goal / Expected level	Outcome results	Attainment of PO
Pharmacy Knowledge	University Exam and Placement	80%	70%	
Problem Analysis	Assignments & Mini project	80%	80%	
Design and Development of Solutions	Project work	90%	90%	
Modern tool usage	Case study and hands on training	90%	80%	
The Pharmacist and Society	Employer survey	80%	75%	
Environment and sustainability	Employer Survey	80%	75%	
Ethics	Employer Survey	90%	90%	
Individual and team work	Project work	90%	90%	
Communication	Seminars & Participation in presentations	90%	70%	
Project management	Project work	90%	90%	
Life -long learning	Higher education & Professional activities	90%	90%	

	Fully Attained		Moderately Attained
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2.4. Indicate how results of the evaluation of achievement of the POs have been used for redefining the POs (5)



Illustrates the process of revising/redefining existing program outcomes.



**3. Programme Curriculum (100)**

**3.1. Curriculum (20)**

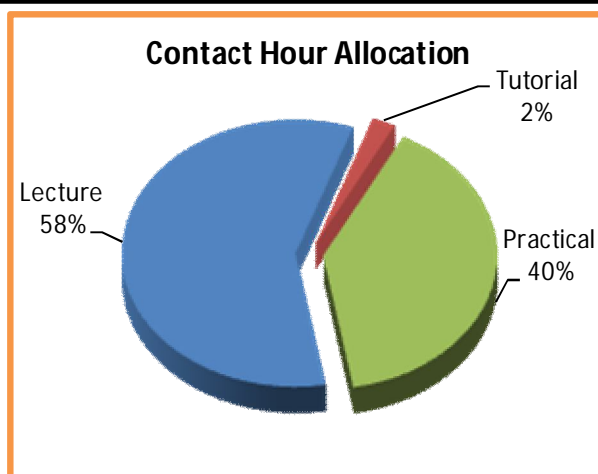
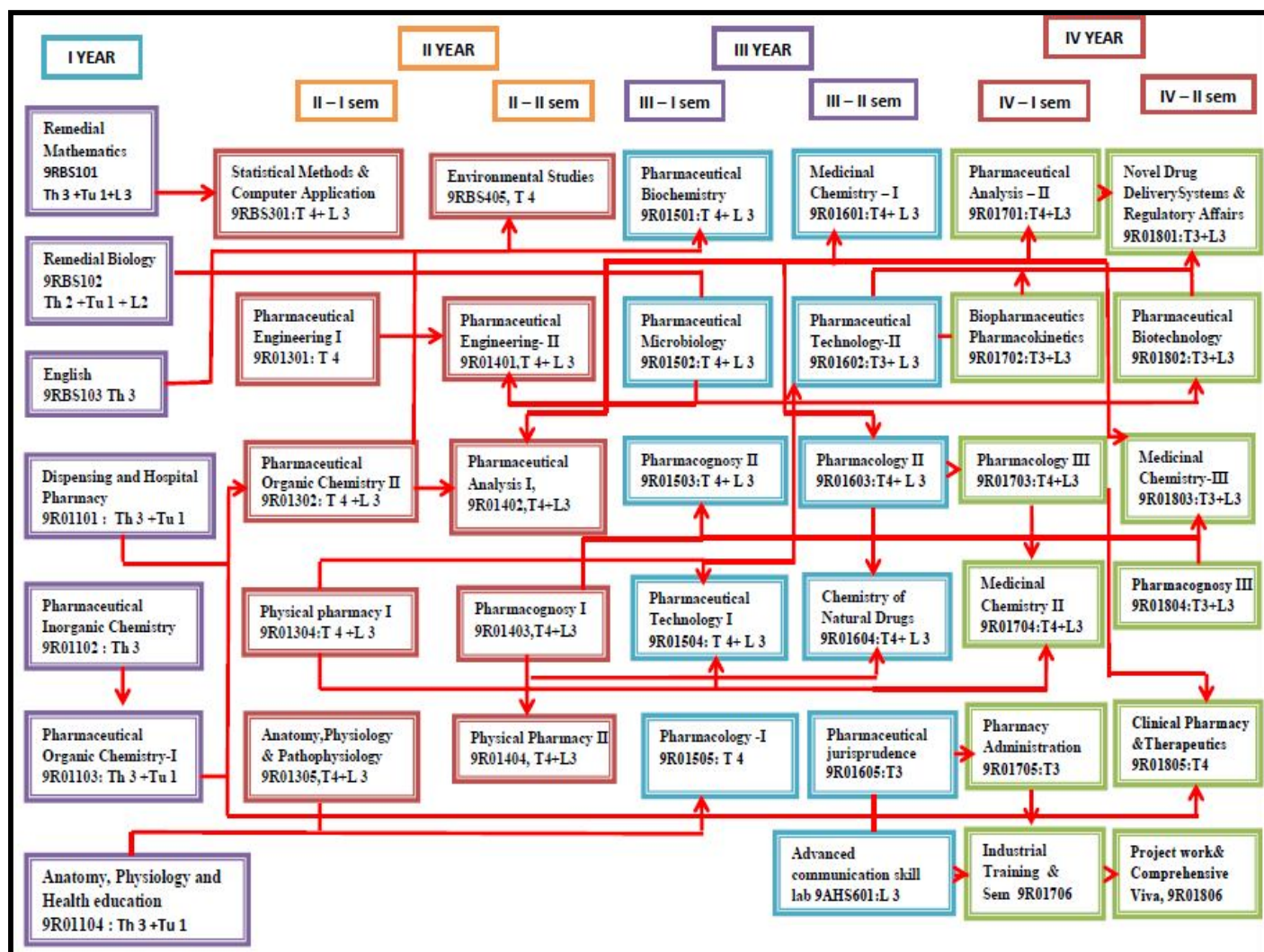
**3.1.1. Describe the structure of the curriculum (5)**

Course Code	Course Title	Total Number of Contact Hours				Credits
		Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	
9RBS101	Remedial Mathematics (for Bi.P.C. Stream)	3	1	-	4	6
9RBS102	Remedial Biology (for M.P.C. Stream)*	2	1	-	3	4
9RBS103	English	3	-	-	3	6
9R01101	Dispensing and Hospital Pharmacy	3	1	-	4	6
9R01102	Pharmaceutical Inorganic Chemistry	3	-	-	3	6
9R01103	Pharmaceutical Organic Chemistry – I	3	1	-	4	6
9R01104	Anatomy, Physiology and Health Education	3	1	-	4	6
9RBS104	Remedial Biology (for M.P.C. Stream)	-	-	3	3	2
9R01105	Dispensing and Hospital Pharmacy Lab	-	-	3	3	4
9R01106	Pharmaceutical Inorganic Chemistry Lab	-	-	3	3	4
9R01107	Pharmaceutical Organic Chemistry – I Lab	-	-	3	3	4
9R01108	Anatomy, Physiology and Health Education Lab	-	-	3	3	4
9RBS301	Statistical Methods & Computer Applications	4	-	-	4	4
9R01301	Pharmaceutical Engineering – I	4	-	-	4	4
9R01302	Pharmaceutical Organic Chemistry – II	4	-	-	4	4
9R01304	Physical Pharmacy – I	4	-	-	4	4
9R01305	Anatomy, Physiology and Pathophysiology	4	-	-	4	4
9RBS302	Statistical Methods & Computer Applications Lab	-	-	3	3	2
9R01306	Pharmaceutical Organic Chemistry – II Lab	-	-	3	3	2
9R01307	Physical Pharmacy – I Lab	-	-	3	3	2
9R01308	Anatomy, Physiology and Pathophysiology Lab	-	-	3	3	2
9RBS405	Environmental Science	4	-	-	4	4
9R01401	Pharmaceutical Engineering – II	4	-	-	4	4
9R01402	Pharmaceutical Analysis – I	4	-	-	4	4
9R01403	Pharmacognosy – I	4	-	-	4	4
9R01404	Physical Pharmacy – II	4	-	-	4	4
9R01405	Pharmaceutical Engineering – II Lab	-	-	3	3	2
9R01406	Pharmaceutical Analysis – I Lab	-	-	3	3	2
9R01407	Pharmacognosy – I Lab	-	-	3	3	2
9R01408	Physical Pharmacy – II Lab	-	-	3	3	2
9R01501	Pharmaceutical Biochemistry	4	-	-	4	4
9R01502	Pharmaceutical Microbiology	4	-	-	4	4
9R01503	Pharmacognosy – II	4	-	-	4	4
9R01504	Pharmaceutical Technology – I	4	-	-	4	4
9R01505	Pharmacology – I	4	-	-	4	4
9R01506	Pharmaceutical Biochemistry Lab	-	-	3	3	2
9R01507	Pharmaceutical Microbiology Lab	-	-	3	3	2
9R01508	Pharmacognosy – II Lab	-	-	3	3	2
9R01509	Pharmaceutical Technology – I Lab	-	-	3	3	2
9R01601	Medicinal Chemistry – I	4	-	-	4	4
9R01602	Pharmaceutical Technology – II	3	-	-	3	3

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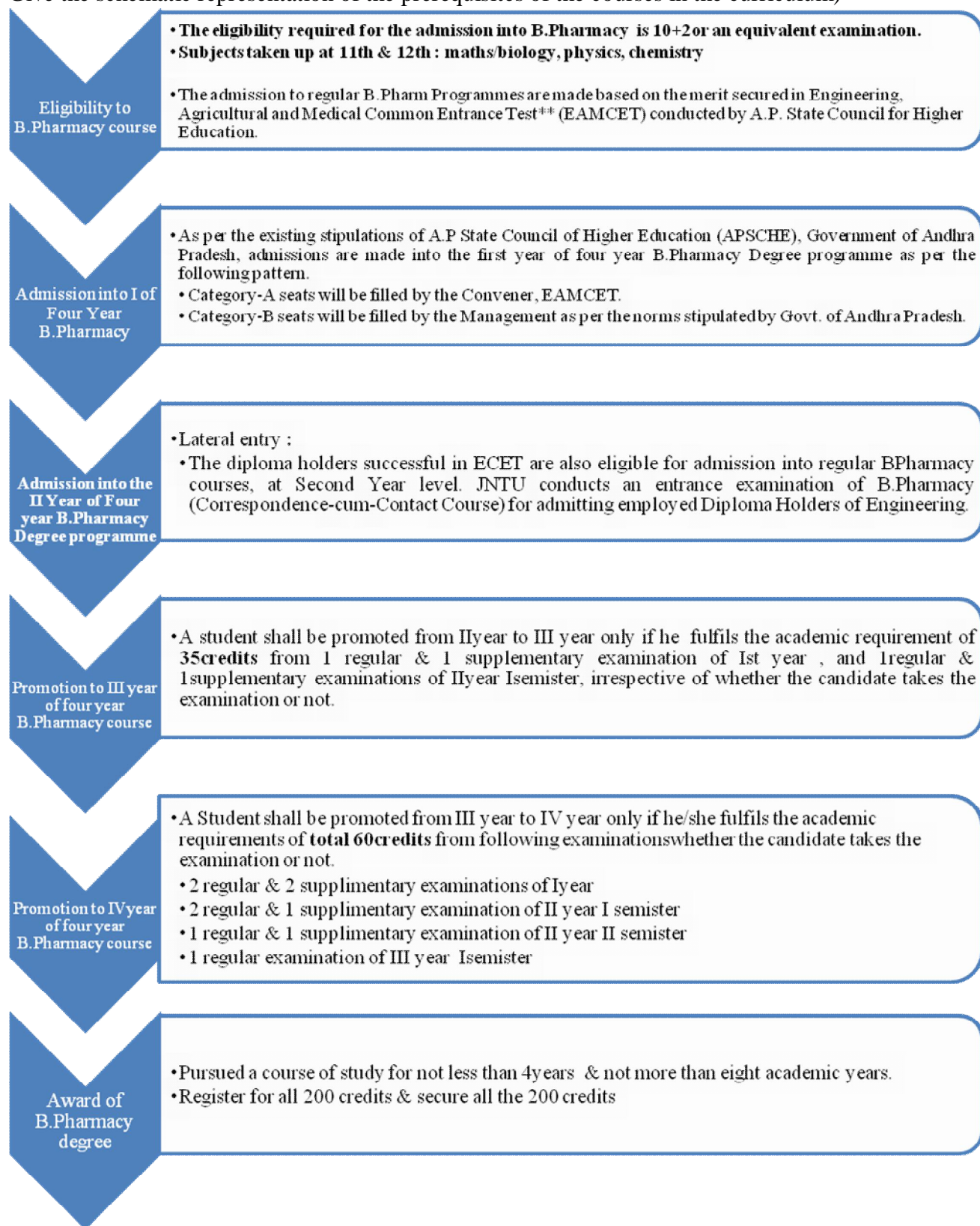
9R01603	Pharmacology – II	4	-	-	4	4
9R01604	Chemistry of Natural Drugs	4	-	-	4	4
9R01605	Pharmaceutical Jurisprudence	3	-	-	3	3
9AHS601	Advanced Communication Skills Lab	-	-	3	3	2
9R01606	Medicinal Chemistry – I Lab	-	-	3	3	2
9R01607	Pharmaceutical Technology – II Lab	-	-	3	3	2
9R01608	Pharmacology – II Lab	-	-	3	3	2
9R01609	Chemistry of Natural Drugs Lab	-	-	3	3	2
9R01701	Pharmaceutical Analysis – II	4	-	-	4	4
9R01702	Biopharmaceutics and Pharmacokinetics	3	-	-	3	3
9R01703	Pharmacology – III	4	-	-	4	4
9R01704	Medicinal Chemistry – II	4	-	-	4	4
9R01705	Pharmacy administration	3	-	-	3	3
9R01706	Industrial Training and Seminar	-	-	-	-	2
9R01707	Pharmaceutical Analysis – II Lab	-	-	3	3	2
9R01708	Biopharmaceutics and Pharmacokinetics Lab	-	-	3	3	2
9R01709	Pharmacology – III Lab	-	-	3	3	2
9R01710	Medicinal Chemistry – II Lab	-	-	3	3	2
9R01801	Novel Drug Delivery Systems and Regulatory Affairs	3	-	-	3	3
9R01802	Pharmaceutical Biotechnology	3	-	-	3	3
9R01803	Medicinal Chemistry – III	3	-	-	3	3
9R01804	Pharmacognosy – III	3	-	-	3	3
9R01805	Clinical Pharmacy & Therapeutics	4	-	-	4	4
9R01806	Project work ** & Comprehensive Viva	-	-	-	-	4
9R01807	Novel Drug Delivery Systems & Regulatory Affairs Lab	-	-	3	3	2
9R01808	Pharmaceutical Biotechnology Lab	-	-	3	3	2
9R01809	Medicinal Chemistry – III Lab	-	-	3	3	2
9R01810	Pharmacognosy – III Lab	-	-	3	3	2
	<b>TOTAL</b>	<b>132</b>	<b>5</b>	<b>90</b>	<b>227</b>	<b>220</b>

*The distribution of the courses in the curriculum is shown below, indicates that 60% of contact hours are allocated for theoretical sessions and 40% of the contact hours are utilized for the practical session (labs.)*



**3.1.2. Give the prerequisite flow chart of courses (5)**

Give the schematic representation of the prerequisites of the courses in the curriculum)



**3.1.3. Justify how the programme curriculum satisfies the program specific criteria (10)**  
**(Justify how the programme curriculum satisfies the programme specific criteria specified by the American professional societies relevant to the programme under accreditation)**

**The program specific criteria given by ACPE**

**Curricular Foundation in the Sciences**

The curricular content provides students with the necessary foundation in the biomedical, pharmaceutical, social/behavioral/administrative and clinical sciences to achieve the desired graduate competencies. The science foundation courses are appropriately sequenced, and the desired knowledge and skills are introduced, reinforced, and advanced progressively throughout the curriculum.

**Anatomy physiology and health education**

This course is designed to impart a fundamental knowledge on the structure and functions of the human body. It also helps in understanding both homeostasis mechanisms and homeostatic imbalances of various body systems. Since a medicament, which is produced by pharmacist, is used to correct the deviations in human body, it enhances the understanding of how the drugs act on the various body systems in correcting the disease state of the organs.

**Dispensing and hospital pharmacy**

This course is designed to impart a fundamental knowledge on the art and science of formulating different dosage forms. It prepares the students for most basics of the applied field of pharmacy.

**Pharmaceutical Inorganic chemistry**

This course mainly deals with fundamentals of Analytical chemistry and also the study of inorganic pharmaceuticals regarding their monographs and also the course deals with basic knowledge of analysis of various pharmaceuticals.

**Remedial Biology**

This is an introductory course in Biology, which gives detailed study of natural sources such as plant and animal origin. This subject has been introduced to the pharmacy course in order to make the student aware of various naturally occurring drugs and its history, sources, classification, distribution and the characters of the plants and animals. This subject gives basic foundation to Pharmacognosy.

## **Pharmaceutical Microbiology**

This course deals with the various aspects of microorganisms, its classification, morphology, laboratory cultivation identification and maintenance. It also discusses with sterilization of pharmaceutical products, equipment, media etc. The course further discusses the immunological preparations, diseases its transmission, diagnosis, control and immunological tests Simulation and Practice Experiences

## **Pharmacology I**

This subject will provide an opportunity for the student to learn about the drug with regard to classification, pharmacodynamic and pharmacokinetic aspects, adverse effects, uses, dose, route of administration, precautions, contraindications and interaction with other drugs. In this subject, apart from general pharmacology, drugs acting on autonomic nervous system, cardiovascular system, central nervous system, blood and blood forming agents and renal system will be taught. In addition to theoretical knowledge, the basic practical knowledge relevant to therapeutics will be imparted.

## **Community pharmacy**

In the changing scenario of pharmacy practice in India, Community Pharmacists are expected to offer various pharmaceutical care services. In order to meet this demand, students will be learning various skills such as dispensing of drugs, responding to minor ailments by providing suitable safe medication, patient counseling, health screening services for improved patient care in the community set up

## **Quality Assurance:**

- Introduction, sources of quality variation, control of quality variation.
- Concept of statistical quality control.
- Validation methods- quality of equipment, validation of equipment and validation of analytical instruments and calibration.
- GLP, ISO 9000.
- Total quality management, quality review and documentation.
- ICH- international conference for harmonization-guidelines.
- Regulatory control

## **Clinical Pharmacy & Therapeutics**

- Understand the basic concept of clinical pharmacy & Pharmacotherapy
- Understand the concept of Therapeutic drug monitoring

- Understand the concept of Essential drugs and Rational drug use
- Understand the important disorders of organ systems and its management

**Novel Drug Delivery Systems**

- Able to perform analytical method validation
- Able to prepare and evaluate various novel drug delivery system

**3.2. State the components of the curriculum and their relevance to the POs and the PEOs (15)**

The institutional guidelines on the distribution of curriculum to various components is shown in Table .

S.No	Courses	Weightage
1	Basic Science Core Courses	7
2	Humanities and Social Science Core Courses	5
3	Basic Pharmacy Science Core Courses	26
4	Professional Courses	50
5	Project	3
6	Mandatory Learning Courses	3
7	<b>Personality Development Courses:</b> One Personality development course in each semester of 3rd year is offered. Each course carries one credit. Students have to participate and achieve satisfactory level of performance in these courses	3
8	<b>Student Practice Courses:</b> Students are offered from 2nd year onwards. Each course carries one credit. Student will have to participate and achieve satisfactory level of performance in order to earn the credit in each course. Students have to acquire a minimum of 2 credits before completion of 6th semester of B.Pharm. <ul style="list-style-type: none"> <li>➤ <b>Industry Practice:</b> Students should undergo summer training for a minimum of 2 weeks.</li> <li>➤ <b>Self learning:</b> Students should prepare and submit a report on a totally new topic relevant to the programme.</li> <li>➤ <b>Co-Curricular participation:</b> Student should have participated in Technical Quizzes/Student paper contest/Seminars/Conferences etc.,</li> <li>➤ <b>Extra-curricular participation:</b> Student should have participated in Sports &amp; Games/Cultural activities/Drawing/Photography etc.,</li> <li>➤ <b>National Service Scheme (NSS):</b> Student should have enrolled as a member of NSS at least for one semester.</li> </ul>	3

**Programme curriculum grouping based on different components**

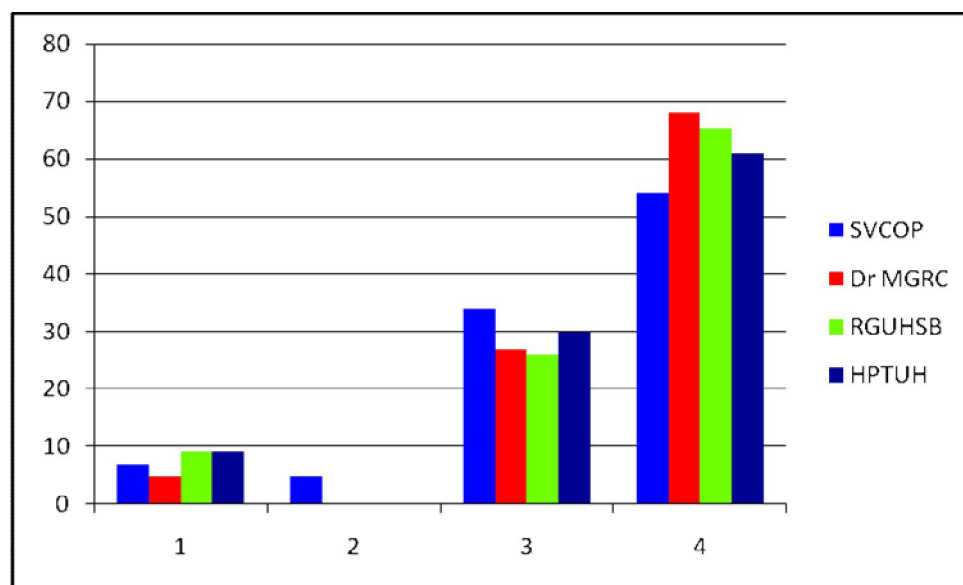
Distribution of curriculum

Distribution of courses in the program curriculum of UG	Curriculum Content (% of total number of credits of the program )	Total number of conduct hours	Total Number of credits	POs	PEOs
Basic Science Core Courses	7	15	14	a	I
Humanities and Social Science Core Courses	5	7	10	d, e	III
Basic Pharmacy Science Core Courses	34	56	69	a, b, c	
Professional Courses	54	143	121	f, g, h, k	
Project	3		4	j k	

**Table 3.3 Distribution of curriculum under different components**

The curriculum components and their relevance to the POs and PEOs are specified in Table 3.3.

The course components distribution of program is compared with well reputed National level Institutions that include Tamilnadu Dr MGR Medical University Chennai (Dr MGRC), Rajiv Gandhi University of Health Sciences Bangalore(RGUHSB), Himachal Pradesh Technical University Hamirpur (HPTUH) which is shown in Figure 3.3.



**1. Basic Science 2. HSS 3. Basic Pharmacy Course 4. Pharmacy Course**

**Course content distribution of SVCOP compared with well reputed national level institutions**



**3.3. State core pharmacy subjects and their relevance to Programme Outcomes (30)**

<b>Course Code</b>	<b>Subject</b>	<b>Programme Outcomes</b>
9R011101	Dispensing & hospital Pharmacy	Students are exposed to basic knowledge on how to dispense medicines [ PO (a), (b)]
9R011102	Pharm.Inorganic Chemistry	Students are exposed to basic knowledge on inorganic compounds [PO (a), (k), (l)]
9R011103	Pharmaceutical Organic Chemistry-I	Students gain basic knowledge on organic compounds of medicinal interest [PO (a), (d), (k), (l)]
9R011104	Anatomy Physiology & Health Education	Students gain knowledge on the structure and functions of organs [PO (a), (k), (l)]
9R011301	Pharmaceutical Engineering-I	Students are exposed to basic operation principles of different equipments used in industries. [PO (a), (c), (d), (k), (l)]
9R011302	Pharmaceutical Organic Chemistry-II	Students understand the mechanism involved in the synthesis of drugs [PO (a), (d), (k), (l)]
9R011304	Physical Pharmacy I	Students gain experience in realizing the importance of physical properties of pharmaceutical substances [PO (a), (c), (d), (k), (l)]
9R011305	Anatomy Physiology & Pathophysiology	Students are given sound knowledge on significance of pathophysiology in treating a disease [PO (a), (c), (d), (k), (l)]
9R011401	Pharmaceutical Engineering-II	Students are exposed to basic operation principles of different equipments used in industries. [PO (a), (c), (d), (e), (k), (l)]
9R011402	Pharmaceutical Analysis I	Students gain a knowledge on different qualitative and quantitative analytical techniques [PO (a), (c), (d), (e), (k), (l)]

9R011403	Pharmacognosy-I	Students learn the source and evaluating methods of medicinal plants [PO (a), (c), (d), (k), (l)]
9R011404	Physical Pharmacy II	Students gain experience in realizing the importance of physical properties of pharmaceutical substances [PO (a), (c), (d), (k), (l)]
9R011501	Pharmaceutical Biochemistry	Students gain ability to perform quantitative determination of biomolecules [PO (a), (c), (d), (e), (k), (l)]
9R011502	Pharmaceutical Microbiology	Students learn the mode of transmission of diseases [PO (a), (c), (d), (k), (l)]
9R011503	Pharmacognosy-II	Students learn the source and evaluating methods of medicinal plants [PO (a), (c), (d), (e), (k), (l)]
9R011504	Pharmaceutical Technology-I	Students learn to perform evaluation of different dosage forms [PO (a), (c), (d), (e), (k), (l)]
9R011505	Pharmacology-I	Students understand the mechanism of action of drugs [PO (a), (c), (d), (e), (k), (l)]
9R011601	Medicinal Chemistry-I	Students develop skills to synthesize different organic compounds [PO (a), (c), (d), (e), (k), (l)]
9R011602	Pharmaceutical Technology-II	Students learn to evaluate different pharmaceutical preparations [PO (a), (c), (d), (e), (k), (l)]
9R011603	PharmacologyII	Students develop skills to handle animals [PO (a), (c), (d), (e), (k), (l)]
9R011604	Chemistry of Natural Drugs (phytochemistry)	Students are exposed to different extraction techniques for extraction of drugs from natural sources [PO (a), (c), (d), (e), (k), (l)]
9R011605	Pharmaceutical Jurisprudence	Students understand the importance of practicing professional ethics [PO (g), (k)]

9R011701	Pharmaceutical Analysis–II	Students acquire skills to handle analytical instruments for quantitative analysis of drugs [PO (a), (c), (d), (e), (k), (l)]
9R011702	Biopharmaceutics and Pharmacokinetics	Students learn to perform invitro evaluation of drugs [PO (a), (c), (d), (e), (k), (l)]
9R011703	Pharmacology III	Students develop skills to perform experiments on animals [PO (a), (c), (d), (e), (k), (l)]
9R011704	MedicinalChemistryII	Students develop skills to synthesize new compounds [PO (a), (c), (d), (e), (k), (l)]
9R011705	Pharmacy Administration	Students realize their role in building national economy and national health [PO (g), (k)]
9R011706	Industrial Training and Seminar	Students are given practical exposure for routine practices adopted in industries [PO (a), (b), (c), (d), (e), (k), (l)]
9R011801	Novel Drug Delivery Systems and Regulatory Affairs	Students develop skills to prepare novel drug delivery systems [PO (a), (c), (d), (e), (k), (l)]
9R011802	Pharmaceutical Biotechnology	Students are exposed to significance of biotechnology in pharmaceutical industries [PO (a), (c), (d), (e), (k), (l)]
9R011803	MedicinalChemistry-III	Students develop skills to synthesize new compounds [PO (a), (c), (d), (e), (k), (l)]
9R011804	Pharmacognosy III	Students learn the source and evaluating methods of medicinal plants [PO (a), (c), (d), (e), (k), (l)]
9R011805	Clinical Pharmacy & Therapeutics	Students were exposed to the knowledge of therapeutic approach on managing the disease [PO (a), (b), (d), (e), (k), (l)]
9R011806	Projectwork & Comprehensive Viva	Students were given emphasis on developing practical skills to carry out basic research [PO (a), (c), (d), (e), (k), (l)]

**3.4. Industry interaction/internship (15)**

**(Give the details of industry involvement in the programme such as industry-attached laboratories and partial delivery of courses and internship opportunities for students)**

1. **MOU with RVS Hospitals & Research Foundation, Chittoor, Andhra Pradesh** for facilitating collaborative Research & Development, Clinical Studies, Internship & Training for Students
2. **MOU with Sugen Life Sciences, Tirupati, Andhra Pradesh** for facilitating collaborative Research & Development in the areas of new drug discovery, formulation development, clinical studies and industry-academia interaction for teaching and research
3. **MOU with Zodiac Pharma, Madanapalle, Andhra Pradesh** for facilitating collaborative Research & Development in the areas of new drug discovery, formulation development, clinical studies and industry-academia interaction for teaching and research.

**3.5. Illustrate the measures and processes used to identify the curricular gaps to the attainment of the COs/POs (5)**

- Input from Course faculty
- Inputs from industry experts
- Input from Research & Development committee
- Input from Placement cell
- Feedback from students
- Feedback from Alumni

**3.6. Indicate the content beyond syllabus imparted for the attainment of the COs/POs (10)**  
**(Details of the content beyond syllabus imparted for the attainment of the COs/POs.**  
**This information may be provided course wise or module wise)**

S. No	Course	Content beyond syllabus	COs/POs	Comments
1	Pharmacy	<ul style="list-style-type: none"> <li>• Building Drug information cell by students</li> <li>• Journal clubs</li> <li>• Scientific paper writing</li> <li>• Student- industry interaction</li> <li>• Awareness camps</li> <li>• Patient counseling club</li> <li>• Workshops &amp; seminars</li> </ul>	POs (a), (b), (c), (d), (e) (g), (i), (j), (k), (l)	Students are exposed to recent advancements in different fields of interest
2	Computers	<ul style="list-style-type: none"> <li>• Periodic Seminar presentation using Microsoft PowerPoint.</li> <li>• Microsoft excel classes</li> </ul>	POs (f)	Students acquire additional skills on latest tools
3	English Language & communication Skills	<p>Various clubs are framed to improve English Language &amp; communication Skills</p> <ul style="list-style-type: none"> <li>• Debate</li> <li>• Elocution</li> <li>• Essay Writing</li> <li>• Public speaking</li> <li>• Newspaper reading</li> </ul>	POs (h), (j)	Students are given a platform to improve their communication skills

Course	Content Beyond Syllabus	Reference Website
Remedial Mathematics - 9RBS101	Medical Dosage Calculations	<a href="http://www.dosagehelp.com/">http://www.dosagehelp.com/</a> <a href="http://wps.prenhall.com/chet_olsen_medicaldosage_9/61/15729/4026649.cw/index.html">http://wps.prenhall.com/chet_olsen_medicaldosage_9/61/15729/4026649.cw/index.html</a>
Remedial Biology-9RBS102 Remedial Biology (for M.P.C. Stream) 9RBS104	Genetics: Heredity A. Mendel's Laws and Modern Genetic Terminology B. Monohybrid Crosses and Dihybrid Crosses C. Patterns of Inheritance 1. Dominant/Recessive 2. Sex-linked 3. Incomplete Dominance 4. Co-dominance 5. Polygenic Inheritance 6. Multiple Alleles	<a href="http://www.britannica.com/EBchecked/topic/262934/heredity">http://www.britannica.com/EBchecked/topic/262934/heredity</a> <a href="http://omicsonline.org/hereditary-genetics.php">http://omicsonline.org/hereditary-genetics.php</a>

	D. The Genetics of ABO and Rh Blood Groups	
<b>English Language Communication Skills-9RBS103</b>	TOEFL	<a href="http://www.4tests.com/toefl">http://www.4tests.com/toefl</a>  <a href="http://www.stuff.co.uk/toefl.htm">http://www.stuff.co.uk/toefl.htm</a>
	IELTS	<a href="http://www.ielts.org/">http://www.ielts.org/</a>  <a href="http://takeielts.britishcouncil.org/prepare-test/free-practice-tests">http://takeielts.britishcouncil.org/prepare-test/free-practice-tests</a>  <a href="http://www.canadavisa.com/ielts/free-practice-tests.html">http://www.canadavisa.com/ielts/free-practice-tests.html</a>  <a href="http://www.testden.com/challenge/free-ielts.asp">http://www.testden.com/challenge/free-ielts.asp</a>
	Automated Dispensing	<a href="http://www.hospitalpharmacyeurope.com/featured-articles/assessing-impact-automated-dispensing">http://www.hospitalpharmacyeurope.com/featured-articles/assessing-impact-automated-dispensing</a>
	Robotic Pharmacy in Patient Safety	<a href="http://www.ucsf.edu/news/2011/03/9510/new-ucsf-robotic-pharmacy-aims-improve-patient-safety">http://www.ucsf.edu/news/2011/03/9510/new-ucsf-robotic-pharmacy-aims-improve-patient-safety</a>
	Pharmacy Automation	<a href="http://en.wikipedia.org/wiki/Pharmacy_automation">http://en.wikipedia.org/wiki/Pharmacy_automation</a>
<b>Pharmaceutical Inorganic Chemistry9R01102 Pharmaceutical Inorganic Chemistry Lab 9R01106</b>	Multifunctional ligands in medicinal inorganic chemistry--current trends and future directions.	<a href="http://www.ncbi.nlm.nih.gov/pubmed/22236159">http://www.ncbi.nlm.nih.gov/pubmed/22236159</a>
	Modern Inorganic Chemistry	<a href="http://www.chem.iitb.ac.in/~rmv/ch102/ic1.pdf">http://www.chem.iitb.ac.in/~rmv/ch102/ic1.pdf</a>
<b>9R01103 - Pharmaceutical Organic Chemistry – I Pharmaceutical Organic Chemistry – I Lab 9R01107</b>	Timely Chemical Process Research is a Critical Part for Efficient Drug Development	<a href="http://www.siegfried.ch/fileadmin/User2/Bilder/Fotogalerien/Symposium_2010/Award_Talk_Senanayake.pdf">http://www.siegfried.ch/fileadmin/User2/Bilder/Fotogalerien/Symposium_2010/Award_Talk_Senanayake.pdf</a>
	Using Small Molecules to Engineer and Explore Human Immunity	<a href="http://www.fasebj.org/cgi/content/meeting_abstract/26/1/MeetingAbstracts/230.2">http://www.fasebj.org/cgi/content/meeting_abstract/26/1/MeetingAbstracts/230.2</a>
<b>Anatomy, Physiology and Health Education 9R01104 Anatomy, Physiology and Health Education Lab 9R01108</b>	Communicable disease guidelines	<a href="http://www.public.health.wa.gov.au/cproot/471/2/2013-doh-communicable-disease-guidelines.pdf">http://www.public.health.wa.gov.au/cproot/471/2/2013-doh-communicable-disease-guidelines.pdf</a>
	Communicable diseases and crises	<a href="http://www.who.int/hac/techguidance/pht/comdisease/en/">http://www.who.int/hac/techguidance/pht/comdisease/en/</a>

<p><b>Statistical Methods &amp; Computer Applications 9RBS301</b>  <b>Statistical Methods &amp; Computer Applications Lab 9RBS302</b></p>	<p>Statistical Methods in Applied Computer Science</p>	<p>Daphne Koller and Nir Friedman, Probabilistic Graphical Models: Principles and Techniques, MIT Press</p> <p><a href="https://courses.cs.washington.edu/courses/cse515/11sp/lectures.html">https://courses.cs.washington.edu/courses/cse515/11sp/lectures.html</a></p>
<p><b>Pharmaceutical Engineering – I 9R01301</b></p>	<p>Quality and Regulatory compliance</p> <p>A Regulatory Perspective on the Current and Future State of Pharmaceutical Quality</p>	<p><a href="http://books.google.co.in/books?id=A93o74fKHvgC&amp;pg=PR2&amp;lpg=PR2&amp;dq=pharmaceutical+engineering+advanced+training&amp;source=bl&amp;ots=r1k7deCD0B&amp;sig=M1YN0qotsH5c2Fu938T_jbAG6sM&amp;hl=en&amp;sa=X&amp;ei=vPK0U7jsH5C6uAStooKoDw&amp;ved=0CDYQ6AEwBA#v=onepage&amp;q=pharmaceutical%20engineering%20advanced%20training&amp;f=false">http://books.google.co.in/books?id=A93o74fKHvgC&amp;pg=PR2&amp;lpg=PR2&amp;dq=pharmaceutical+engineering+advanced+training&amp;source=bl&amp;ots=r1k7deCD0B&amp;sig=M1YN0qotsH5c2Fu938T_jbAG6sM&amp;hl=en&amp;sa=X&amp;ei=vPK0U7jsH5C6uAStooKoDw&amp;ved=0CDYQ6AEwBA#v=onepage&amp;q=pharmaceutical%20engineering%20advanced%20training&amp;f=false</a></p> <p><a href="http://www.fda.gov/downloads/AboutFDA/CentersOffices/OfficeofMedicalProductsandTobacco/CDER/UCM359267.pdf">http://www.fda.gov/downloads/AboutFDA/CentersOffices/OfficeofMedicalProductsandTobacco/CDER/UCM359267.pdf</a></p>
<p><b>Pharmaceutical Organic Chemistry II 9R01302</b>  <b>Pharmaceutical Organic Chemistry – II Lab 9R01306</b></p>	<p>Biological and Pharmaceutical Chemistry</p> <p>Approaches to the Synthesis of Bioactive Natural Products</p>	<p><a href="http://www.chem.yorku.ca/ugrad/Pharm&amp;Biol.pdf">http://www.chem.yorku.ca/ugrad/Pharm&amp;Biol.pdf</a></p>
<p><b>Physical Pharmacy I 9R01304</b>  <b>Physical Pharmacy – I Lab 9R01307</b></p>	<p>Physico-chemical principles of drugs and formulations and their importance in designing efficient dosage form</p>	<p><a href="http://www.pua.edu.eg/puasite/uploads/File/Lecture%201-handouts.pdf">http://www.pua.edu.eg/puasite/uploads/File/Lecture%201-handouts.pdf</a></p>
<p><b>Anatomy, Physiology and Pathophysiology 9R01305</b>  <b>Anatomy, Physiology and Pathophysiology Lab 9R01308</b></p>	<p>Virtual Human anatomy</p> <p>Animated Videos</p>	<p>Inner body.com</p> <p>Visible body.com</p> <p>Instant anatomy.net</p>
<p><b>Environmental Science 9RBS405</b></p>	<p>Environmental Studies Career Chat</p>	<p><a href="http://environmentalstudies.vassar.edu/after-vassar/CDO-ENST-advice.pdf">http://environmentalstudies.vassar.edu/after-vassar/CDO-ENST-advice.pdf</a></p> <p><a href="http://environmentalstudies.vassar.edu/after-vassar/CDO-ENST-advice.pdf">http://environmentalstudies.vassar.edu/after-vassar/CDO-ENST-advice.pdf</a></p>
<p><b>Pharmaceutical Engineering – II 9R01401</b>  <b>Pharmaceutical Engineering – II Lab 9R01405</b></p>	<p>Automation in machineries and advanced pharmaceutical packaging</p>	<p><a href="http://edutwin.com/s/advanced-pharmaceutical-packaging-pdf">http://edutwin.com/s/advanced-pharmaceutical-packaging-pdf</a></p>

<b>Pharmaceutical Analysis – I 9R01402</b>	Pharmaceutical impurity analysis solutions	<a href="http://www.chem.agilent.com/Library/primers/Public/5991-0090en_lo.pdf">http://www.chem.agilent.com/Library/primers/Public/5991-0090en_lo.pdf</a>
<b>Pharmaceutical Analysis – I Lab 9R01406</b>	HPLC Uses and Importance in the Pharmaceutical Analysis and Industrial Field	<a href="http://omicsonline.org/hplc-uses-and-importance-in-the-pharmaceutical-analysis-and-industrial-field-2153-2435.1000e133.php?aid=9699">http://omicsonline.org/hplc-uses-and-importance-in-the-pharmaceutical-analysis-and-industrial-field-2153-2435.1000e133.php?aid=9699</a>
<b>Pharmacognosy – I 9R01403</b>	Role of Pharmacognosy in Modern	<a href="http://informahealthcare.com/doi/abs/10.1517/14656566.32.77?journalCode=eop">http://informahealthcare.com/doi/abs/10.1517/14656566.32.77?journalCode=eop</a>
<b>Pharmacognosy – I Lab 9R01407</b>	Medicine	
<b>Physical Pharmacy – II 9R01404</b>	Role of Physical Pharmacy principles in R&D in Industry	Physical Pharmacy: Martins
<b>Physical Pharmacy – II Lab 9R01408</b>		
<b>Pharmaceutical Biochemistry 9R01501</b>	Exploring Careers in Biochemistry and Molecular Biology	<a href="http://www.asbmb.org/uploadedFiles/ProfessionalDevelopment/Professional_Development/ASBMB_2011CareerText_Web_Final.pdf">http://www.asbmb.org/uploadedFiles/ProfessionalDevelopment/Professional_Development/ASBMB_2011CareerText_Web_Final.pdf</a>
<b>Pharmaceutical Biochemistry Lab 9R01506</b>		
<b>Pharmaceutical Microbiology 9R01502</b>	Autoimmunity	<a href="http://books.google.co.in/books?id=VN9Oj2MKTKQC&amp;pg=SA15-PA3&amp;source=gbs_toc_r&amp;cad=3#v=onepage&amp;q&amp;f=false">http://books.google.co.in/books?id=VN9Oj2MKTKQC&amp;pg=SA15-PA3&amp;source=gbs_toc_r&amp;cad=3#v=onepage&amp;q&amp;f=false</a>
<b>Pharmaceutical Microbiology Lab 9R01507</b>	Preservation of Pharmaceutical products	
<b>Pharmacognosy – II 9R01503</b>	Designing of Novel Formulation by using herbal extracts	Novel dosage form by N.K.Jain
<b>Pharmacognosy – II Lab 9R01508</b>		
<b>Pharmaceutical Technology – I 9R01504</b>	Different Techniques for Optimization of dosage form	<a href="http://www.pharmaresearchlibrary.com/optimization-techniques-in-designing-of-pharmaceutical-dosage-form/">http://www.pharmaresearchlibrary.com/optimization-techniques-in-designing-of-pharmaceutical-dosage-form/</a>
<b>Pharmaceutical Technology – I Lab 9R01509</b>	Integrated automation machines in Pharmaceutical technology	<a href="http://www.dmwautomation.com/pharmaceutical-packaging.html">http://www.dmwautomation.com/pharmaceutical-packaging.html</a>
<b>Pharmacology – I 9R01505</b>	Chrono Pharmacology	<a href="http://www.slideshare.net/swanandpathak/chronopharmacology-18276874">http://www.slideshare.net/swanandpathak/chronopharmacology-18276874</a>
	Pharmacovigilance	<a href="http://www.who.int/medicines/areas/quality_safety/safety_efficacy/S.AfricaDraftGuidelines.pdf">http://www.who.int/medicines/areas/quality_safety/safety_efficacy/S.AfricaDraftGuidelines.pdf</a>
<b>Medicinal Chemistry – I 9R01601</b>	Consumer applications of chemical principles: Drugs	<a href="http://pubs.acs.org/doi/abs/10.1021/ed062p328">http://pubs.acs.org/doi/abs/10.1021/ed062p328</a>
<b>Medicinal Chemistry – I Lab 9R01606</b>		



<b>Pharmaceutical Technology – II 9R01602</b>	Pharmaceutical Production and Related Technology Transfer	<a href="http://www.who.int/phi/publications/Local_production_and_access_to_medicines.pdf">http://www.who.int/phi/publications/Local_production_and_access_to_medicines.pdf</a>
<b>Pharmaceutical Technology – II Lab 9R01607</b>	Scale-up & Technology Transfer as a Part of Pharmaceutical Quality Systems	<a href="http://www.fda.gov/downloads/Drugs/DevelopmentApprovalProcess/Manufacturing/UCM291604.pdf">http://www.fda.gov/downloads/Drugs/DevelopmentApprovalProcess/Manufacturing/UCM291604.pdf</a>
<b>Pharmacology – II 9R01603</b>	Pharmacokinetics - calculation of dosage in patients with disease condition	<a href="http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm">http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm</a>
<b>Chemistry of Natural Drugs 9R01604</b>	Marine natural products	<a href="http://selectbiosciences.com/conferences/index.aspx?conf=DDI14">http://selectbiosciences.com/conferences/index.aspx?conf=DDI14</a>
<b>Chemistry of Natural Drugs Lab 9R01609</b>	Drug discovery studio Natural products and phytochemical screening	
<b>Pharmaceutical Jurisprudence 9R01605</b>	Pharmacy and Pharma industry registration and application Guidelines	<a href="http://www.pharmacycouncilghana.org/registration_Application.html">http://www.pharmacycouncilghana.org/registration_Application.html</a>
<b>Advanced Communication Skills Lab 9AHS601</b>	Provide Module for Communication skill	<a href="http://www.hec.gov.pk/InsideHEC/Divisions/LearningInnovation/Documents/Learning%20Portal/NAHE/communication%20skills%20module.pdf">http://www.hec.gov.pk/InsideHEC/Divisions/LearningInnovation/Documents/Learning%20Portal/NAHE/communication%20skills%20module.pdf</a>
<b>Pharmacology – II Lab 9R01608</b>	Exposure-Response Relationships — Study Design, Data Analysis, and Regulatory Applications	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064982.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064982.htm</a>
<b>Pharmaceutical Analysis – II 9R01701</b>	Principles And Methods For The Risk Assessment Of Chemicals In Food	<a href="http://whqlibdoc.who.int/ehc/WHO_EHC_240_6_eng_Chapter3.pdf">http://whqlibdoc.who.int/ehc/WHO_EHC_240_6_eng_Chapter3.pdf</a>
<b>Pharmaceutical Analysis – II Lab 9R01707</b>		
<b>Biopharmaceutics and Pharmacokinetics 9R01702</b>	Bioanalytical method development and validation	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064964.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064964.htm</a>
<b>Biopharmaceutics and Pharmacokinetics Lab 9R01708</b>	Statistical approaches to establishing bioequivalence Bioequivalence recommendation for specific products	
<b>Pharmacology – III 9R01703</b>	Drug Interaction Studies--Study Design, Data Analysis, Implications for Dosing, and Labeling Recommendations	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064982.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064982.htm</a>
<b>Pharmacology – III Lab 9R01709</b>		
<b>Medicinal Chemistry – II 9R01704</b>	Recent Advances in QSAR Studies	<a href="http://www.istc.ru/istc/istc.nsf/va_webresources/news_drug_design&amp;development/\$file/kouzmin_victor.pdf">http://www.istc.ru/istc/istc.nsf/va_webresources/news_drug_design&amp;development/\$file/kouzmin_victor.pdf</a>
<b>Medicinal Chemistry – II Lab</b>	Stereo selective synthesis	<a href="http://www.alchemyst.co.uk/">http://www.alchemyst.co.uk/</a>

9R01710		<a href="http://alchemystry/pdf/Organic/steroselective_synthesis.pdf">alchemystry/pdf/Organic/steroselective_synthesis.pdf</a>
Pharmacy administration 9R01705	Personnel Management Hospital Management	<a href="http://www.communitycarenc.com/media/related-downloads/overview-of-pharmacy-administration.pdf">http://www.communitycarenc.com/media/related-downloads/overview-of-pharmacy-administration.pdf</a>  <a href="https://www.utexas.edu/pharmacy/courses/required/phr244c.pdf">https://www.utexas.edu/pharmacy/courses/required/phr244c.pdf</a>  <a href="http://whqlibdoc.who.int/monograph/WHO_MONO_54_(part1).pdf">http://whqlibdoc.who.int/monograph/WHO_MONO_54_(part1).pdf</a>  <a href="http://medind.nic.in/jab/t08/i2/jabt08s2p1.pdf">http://medind.nic.in/jab/t08/i2/jabt08s2p1.pdf</a>
Novel Drug Delivery Systems and Regulatory Affairs 9R01801 Novel Drug Delivery Systems and Regulatory Affairs Lab 9R01807	Bioavailability and bioequivalence studies submitted in NDA or IND- General consideration  Exposure – Response Relationships – Study design, data Analysis and regulatory Applications	<a href="http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm">http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm</a>  <a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064983.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064983.htm</a>
Pharmaceutical Biotechnology 9R01802 Pharmaceutical Biotechnology Lab 9R01808	Submission documentation for sterilization Process Validation in Application for Pharmaceutical products	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064983.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064983.htm</a>
Medicinal Chemistry – III 9R01803 Medicinal Chemistry – III Lab 9R01809	Development of New Stereoisomeric Drugs	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064979.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064979.htm</a>
Pharmacognosy – III 9R01804 Pharmacognosy – III Lab 9R01810	Botanical Drug Products	<a href="http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064979.htm">http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/ucm064979.htm</a>
Clinical Pharmacy & Therapeutics 9R01805	Population pharmacokinetics Drug safety Clinical Pharmacogenomics Computerized system used in Clinical trials	<a href="http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm">http://www.fda.gov/drugs/guidancecomplianceregulatoryinformation/guidances/ucm064982.htm</a>

### 3.7. Course Syllabi (5)

The syllabi format may include:

- Department, course number and title of the course
- Designation as required course or an elective course
- Pre-requisites

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- Contact hours and type of course (lecture, tutorial, seminar, project etc.)
- Course Assessment methods (both continuous and semester-end assessment)
- Course outcomes
- Topics covered
- Text books, and/or reference material
- The course syllabi is enclosed in **APPENDIX VII**

## 4. Students' Performance (75)

### Admission intake in the programme

Item	CAY (2014-15)	CAYm1 (2013-14)	CAYm2 (2012-13)	CAYm3 (2011-12)	CAYm4 (2010-11)
<b>Sanctioned intake strength in the Programme (N)</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>180</b>	<b>180</b>
<b>Total number of admitted students in first year minus number of students migrated to other programmes at the end of first year (N1)</b>	<b>54</b>	<b>81</b>	<b>79</b>	<b>61</b>	<b>43</b>

### 4.1. Success Rate (20)

Provide data for the past seven batches of students

Year of entry (in reverse chronological order)	Number of students admitted in first year + Lateral entry	Number of students who have successfully completed*			
		1 st Year	2 nd Year	3 rd Year	4 th Year
CAY (2014)	54	31			
CAYm1 (2013)	80	34	49		
CAYm2 (2012)	79	26	43		
CAYm3 (2011)	61	52	48		
CAY m4 (LYG)	43	41	40	39	
CAY m5 (LYGm1)	26	26	26	26	26
CAYm6(LYGm2)	49	48	47	49	49
CAYm7 (LYGm3)	22	21	21	21	21

\*Successfully completed implies zero backlogs

Success rate =  $20 \times$  mean of success index (SI) for past three batches

SI = (Number of students who graduated from the programme in the stipulated period of course duration) / (Number of students admitted in the first year of that batch)

Item	LYG (CAYm4)	LYGm1 (CAYm5)	LYGm2 (CAYm6)
Number of students admitted in the corresponding first year	43	26	49
Number of students who have graduated in the stipulated period	39	26	49
Success Index (SI)	0.906	1	1

**Average SI = 0.9689**

**Success Rate =  $20 \times$  Average SI = 19.379**

**4.2. Academic Performance (20)**

Academic Performance =  $2 * API$   
 Where API = Academic Performance Index  
 = Mean of Cumulative Grade Point Average of all successful Students on a 10 point CGPA System  
 OR  
 = Mean of the percentage of marks of all successful students / 10

Item	LYG (CAYm)	LYGm1 (CAYm1)	LYGm2 (CAYm2)12- 13	LYGm3 (CAYm3)11- 12
Approximately the API by the following mid-point analysis				
9 < Number of students with CGPA < 10.0	-	-	-	-
8 < Number of students with CGPA < 9.0	-	-	-	-
7 < = 8	61	40	32	33
6 < = 7	88	96	86	78
5 < = 6	28	24	14	12
<b>Total</b>	<b>177</b>	<b>160</b>	<b>132</b>	<b>123</b>
Approximating API by Mid-CGPA Mean of CGPA / Percentage of all the students (API)	6.66	6.66	6.64	6.67

**Average API = 6.66**  
**Academic Performance =  $2 \times Av.API = 13.32$**

**4.2.1. Placement and Higher Studies (20)**

**Assessment Points =  $20 \times (x + 1.25y)/N$**

where,  $x$  = Number of students placed  
 $y$  = Number of students admitted for higher studies with valid qualifying scores/ranks, and  
 $N$  = Total number of students who were admitted in the batch subject to maximum assessment points = 20

Item	LYG (2014-15)	LYGm1 (2013-14)	LYG (2012-13)	LYGm1 (2011-12)
Number of admitted students corresponding to LYG (N)	61	41	26	50
Number of students who obtained job as per the record of placement office (x1)	25	12	6	24
Number of students who found employment otherwise at the end of the final year (x2)	13	15	8	11

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$X = x_1 + x_2$	38	27	14	35
Number of students who opted for higher studies with valid qualifying scores / ranks (y)	18	8	6	12
Assessment Points	19.83	18.04	16.54	20

**Average Assessment Points =**

### 4.3. Professional Activities (15)

#### 4.3.1. Professional societies / chapters and organising events (3)

Module description	Any other contributor y institute/ industry	Developed/ organised by	Duration	Resource persons	Target audience
DBT sponsored One Day National Seminar on 'Global trends in Biotechnology and Pharmaceutical Sciences'	DBT	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor			Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
One day National Seminar on ICMR Sponsored "Alternative to animal use in Research, Education and Toxicity Investigations"	ICMR	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	22 <sup>nd</sup> Sep, 2015	Prof. Akbarsha, Bharathidasan University, Trichy.	Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
Computer Aided Drug Design - Current Aspects in Drug Discovery for New Molecules	-	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	14 <sup>th</sup> May 2014		Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
Economic Impact Of Intellectual Property Rights In Indian Pharma Industries (C)	-	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	22 <sup>nd</sup> Jan, 2014	-	Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
Role of Dissolution & In Vitro Release in Regulating Pharmaceuticals	-	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	8 <sup>th</sup> May 2013	Dr. Vinod P. Shah, Ph. D. Ex. US FDA, Pharmaceutical Consultant	Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students

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Future Prospects and Pharmaceutical Applications of Gene Targeting	All India Council for Technical Education, New Delhi	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	25 <sup>th</sup> Oct 2013		Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
Role of Novel Carriers in Targeted Drug Delivery	Department of Science & Technology, New Delhi	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	13 <sup>th</sup> & 14 <sup>th</sup> April 2012		Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students
Bio Medical Waste Management	Andhra Pradesh Pollution Control Board, Regional Office, Tirupati.	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor	28 <sup>th</sup> Jan 2011		Faculty of Pharmaceutical Sciences, Research Scholars, UG & PG B.Pharm Students

### 4.3.2. Organisation of paper contests, design contests, etc. and achievements (3)

Particulars	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
<b>Events</b>	Cultural, sports, technical fest, conference & workshop	Cultural, sports, technical fest, conference & workshop	Cultural, sports, technical fest, conference & workshop	Cultural, sports, technical fest, conference & workshop	Cultural, sports, technical fest, conference & workshop
<b>No of Students</b>	142	181	210	258	269

#### List of conferences and workshops attended by students since 2012-2014

Sl. No.	Name of the Conferences, workshops attended by students	Date & Year	Venue	Number of the Students attended
1.	2 <sup>nd</sup> International Symposium on Frontiers in Pharmaceutical Research and Nano Technology	28 <sup>th</sup> and 29 <sup>th</sup> September -2012	A.J. College of Pharmacy, Chennai, India.	05
2.	64 <sup>th</sup> Indian Pharmaceutical Congress	7 <sup>th</sup> – 9 <sup>th</sup> December, 2012	SRM University, Chennai.	06
3.	International Conference on Environmental Impact on Human Health and Therapeutic Challenges.	20 <sup>th</sup> -22 <sup>nd</sup> December, 2012	Sri Venkateswara University, Tirupathi	06
4.	Indian Pharmaceutical Association Students Congress	26 <sup>th</sup> -27 <sup>th</sup> April, 2013	JSS College of Pharmacy, Ooty	08
5.	National Symposium On “Role Of Polymer In Novel Drug Delivery Systems”	20 July, 2013	St.Peter’s Institute Of Pharmaceutical Sciences. Hanamkonda, Warangal, Andhra Pradesh .	4
6.	Empowering hospital administrators with management skills	9 <sup>th</sup> January, 2014	SVCET	80

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7.	Advancing pharmacy practice in India: the next generation Pharmacist	21 <sup>st</sup> &22 <sup>nd</sup> February, 2014	Bangalore	15
8.	Indo-European Symposium On “Pharmacoeconomics Policies”	3rd March 2014	RIPER	25
9.	Workshop On Pharmacology	5 <sup>th</sup> & 6 <sup>th</sup> , April, 2014	Krishna Teja pharmacy college, Tirupathi	77
10	National Conference On “Infectious Diseases-A Medicinal Chemistry Perspective”	29 <sup>th</sup> and 30 <sup>th</sup> August, 2014	Amrita School Of Pharmacy Kochi, Kerala	08
11	National Symposium On “Experimental Pharmacology-Role In Drug Development	2014	Sri Padmavathi School Of Pharmacy, Tirupati	02
12.	Pharmacy Practice Module-Advanced Learning Series-7 Training Module – Oncology	9 <sup>th</sup> – 11 <sup>th</sup> , August, 2014	School of pharmaceutical science, Vel’s University.	06
13.	Scope And Prospective In Industry- Institution- Interaction	20 <sup>th</sup> & 21 <sup>th</sup> September, 2014	Sri Vidyanikethan College of Pharmacy. Tirupathi	35
14.	Pharmacy Practice Module Advanced Learning Series-5 Respiratory Diseases & Asthma	18 <sup>th</sup> - 20 <sup>th</sup> , December, 2014.	Krishna Teja College of Pharmacy. Tirupathi	03
15	National Seminar On “Job Opportunities And Career Guidance In Pharmacy”(JOCGP-2k15) A	February-28 <sup>th</sup> and March 1 <sup>st</sup> , 2015.	KRISHNA TEJA PHARMACY COLLEGE TIRUPATI	60
16	DST Sponsored International Conference On Roles And Responsibilities Of Pharmacist On Chronic Disease Management Adverse Drug Reaction And Therapeutic Drug Monitoring	24th & 25th April 2015	PSG College of Pharmacy Coimbatore, Tamilnadu	38
17	DBT Sponsored National Seminar On Drug Discovery And Nanobiotechnology: Challenges And Opportunities (DDNBCOS-15)	3 <sup>rd</sup> and 4 <sup>th</sup> September 2015	Sree Vidyanikethan College of Pharmacy TIRUPATI	41
18	ICMR sponsored one day national seminar on “Alternative to Animal Use in Research, Education Toxicity Investigations	22 <sup>nd</sup> September 2015	Sri Venkateswara College of Pharmacy, RVS Nagar Chittoor-517127 .	250

**List of seminar and conferences conducted by host institute**

1.	2011	Seminar on Biomedical Waste Management (S)	Andhra Pradesh Pollution Control Board, 2011
2	2012	Seminar on Role of Novel Carriers in Targeted Drug Delivery (S)	DST, New Delhi 16.03.2012
3	2013	Pharmacometrics : An Emerging Field that Facilitate Drug Development & Pharmacotherapy (W)	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 10.04.2012
4	2013	Seminar on “Recent Approaches on Novel Carriers in Advanced Drug Delivery”(S)	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 12.10.2013
5	2013	Seminar on Future Prospects and Pharmaceutical Applications of Gene Targeting (S)	AICTE, New Delhi 25.10.2013
6	2013	Seminar on “ Role of Pharmacist in Delivering Medication Therapy Management Services- An Update” (S)	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor.30.11.2013
7	2013	Seminar on “Recent Advances in Analytical Method Development” (S)	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 4.12.2013
8	2014	Economic Impact Of Intellectual Property Rights In Indian Pharma Industries (C)	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 22.01.2014
9	2014	Computer Aided Drug Design - Current Aspects in Drug Discovery for New Molecules	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 14.05.2014
10	2015	One day National Seminar on ICMR Sponsored “Alternative to animal use in Research, Education and Toxicity Investigations”	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor. 22.09.2015
11	2015	DBT sponsored One Day National Seminar on ‘Emerging trends in pharmaceutical-biotechnology on novel dosage form’	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor.
12	2015	DBT sponsored One Day National Seminar on ‘Global trends in Biotechnology and Pharmaceutical Sciences’	Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor.

**Achievements in co-curricular activities**

1. National Seminar on “Job Opportunities & Career Guidance in Pharmacy”, Krishna Teja Pharmacy College, Tirupati on 28th Feb to 1st March 2015. One of the student Ms.Sweta Rauniyar Shah, III-B.Pharmacy has received a 2nd Prize for Oral Presentation.
2. UGC Sponsored National Seminar on “Global Prospective of Pharmaceutical Sciences - 2K15”, organized by Department of Pharmacy, Oil Technological Research Institute (OTRI)



JNTUA, Anantapur on 11th July 2015. One of the Research Scholar Mr. S. Brito Raj, has participated and received a 3rd Prize for Oral Presentation.

3. Ms. SreeLekha & Co. – 1st Prize winner for the Rangoli Competition on Celebrations of National AIDS Day conducted by NSS Unit (2013)
4. Ms.Shareen Shaik - Winner of Essay Competition conducted by NSS unit of our institution on National Education Day (2014)
5. Mr.Sonam Chopel - Winner of English Elocution Competition conducted by NSS unit of our institution on National Education Day (2014).
6. G. Sravani(*Poster presentation*) – Microsponge drug delivery system and she got first prize. Pharma Transpire – 2011 National seminar on “Emerging novel trends in drug delivery systems”, from 26<sup>th</sup> - 27<sup>th</sup> of March 2011 organized by Creative Educational Society’s Institution of Pharmacy, Kurnool.

#### 4.3.3. Publication of technical magazines, newsletters, etc. (3)

**IJABPR**, *Official Journal of Sri Venkateswara College of Pharmacy*

**Name of Chief Editor:** Dr.K.Bhaskar Reddy

**Editor:** S.Wasim Raja

**Publisher:** *Sri Venkateswara College of Pharmacy, RVS Nagar, Chittoor*

#### 4.3.4. Entrepreneurship initiatives, product designs, and innovations (3)

**(Instruction: The institution may specify the efforts and achievements.)**

It has Broad range of state-of-the-art laboratory which was used for consultancy work, with sophisticated instruments viz. HPLC, FTIR, UV Spectrophotometer, Digital Ultrasonicator, High Speed Homogenizer, Rotary flash evaporator, Semi auto analyzer, Stability chamber and many more under one roof. SVCOP research centre do their best for excellence in quality standards and aims at providing quality services with confidentiality, independence, integrity, commitment & reliability. Here, we are committed to inculcate the right attitude and spirit to satisfy our customers through continual research and adopting these techniques to train budding pharmaceutical analysts and R&D. SVCOP research centre renders various services and intellectual input including analytical method development & validation, formulation development & its characterization, preclinical & clinical activities, pharmacological study on animal to a wide range of users of the Universities, institutions and industries on payment basis.

#### OBJECTIVES

- To provide instrumental facilities to various academic institutions, and institutions under Jawaharlal Nehru Technological University Anantapur.
- To extend service of consultation / R&D facilities to needy industries.
- To establish linkage with the various nationally recognized laboratories to get associated with and to pursue collaborative research projects.

## Services offered to client

We offer Facilities for accurate, prompt and cost-effective analysis & testing like,

- Pre-clinical and clinical studies
- Preformulation studies
- Process validation
- Analytical method development & its validation
- Phytochemical studies
- Pharmacognostical studies
- Formulation development of Solid, liquid and semisolid dosage forms.

### 4.3.5. Publications and awards in inter-institute events by students of the programme of study (3)

1. National Seminar on “Job Opportunities & Career Guidance in Pharmacy”, Krishna Teja Pharmacy College, Tirupati on 28th Feb to 1st March 2015. One of the student Ms.Sweta Rauniyar Shah, III-B.Pharmacy has received a 2nd Prize for Oral Presentation.
2. UGC Sponsored National Seminar on “Global Prospective of Pharmaceutical Sciences - 2K15”, organized by Department of Pharmacy, Oil Technological Research Institute (OTRI) JNTUA, Anantapur on 11th July 2015. One of the Research Scholar Mr. S. Brito Raj, has participated and received a 3rd Prize for Oral Presentation.
3. Ms. SreeLekha & Co. – 1st Prize winner for the Rangoli Competition on Celebrations of National AIDS Day conducted by NSS Unit (2013)
4. Ms.Shareen Shaik - Winner of Essay Competition conducted by NSS unit of our institution on National Education Day (2014)
5. Mr.Sonam Chopel - Winner of English Elocution Competition conducted by NSS unit of our institution on National Education Day (2014).
6. G. Sravani(*Poster presentation*) – Microsponge drug delivery system and she got first prize. Pharma Transpire – 2011 National seminar on Emerging novel trends in drug delivery systems 26<sup>th</sup> - 27<sup>th</sup> of March 2011 organized by Creative Educational Society’s Institution of Pharmacy, Kurnool.

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## 5. Faculty Contributions (175)

Teaching Staff												
S. No.	Course	Staff Name	Desig.	University & Year of Grad.	Joining Date	Pu bl.	I P R	Distributi on of Teaching load %		R&D and consultan cy work with amount Rs	Hol ding an incu bati on unit	Inter actio n with outsi de world
								UG	PG			
2011 - 2012												
1	PhD	Dr. K. Bhaskar Reddy	Principal	Kakatiya University & 2009	2 – 12- 2009	20	N i l	50	50	45000	Nil	Yes
2	M.Pharm	M. Loganathan	Assistant Professor	The T.N.MGR Medical University & 2008	9 – 2- 2009	0	N i l	50	50	0	Nil	No
3	M.Pharm	N. Audinarayana	Assistant Professor	SRM University & 2009	1 – 7- 2009	8	N i l	50	50	0	Nil	No
4	M.Pharm	K. Harikumar	Assistant Professor	SV University & 2009	1 – 7- 2009	3	N i l	50	50	0	Nil	No
5	M.Pharm	I. Noorul Alam	Assistant Professor	The T.N.MGR Medical University & 2009	02-01-2010	0	N i l	50	50	0	Nil	No
6	M.Pharm	R. Nisha Rajendran	Assistant Professor	The T.N.MGR Medical University & 2009	10 – 2- 2010	0	N i l	50	50	0	Nil	No
7	M.Pharm	G.Ramanjaneyulu	Assistant Professor	The T.N.MGR Medical University & 2006	10 – 2- 2010	0	N i l	50	50	0	Nil	No
8	M.Pharm	S. Sheela	Associate Professor	The T.N.MGR Medical University & 2000	15 -2 – 2010	5	N i l	50	50	0	Nil	No
9	M.Pharm	D. Jothieswari	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	7	N i l	50	50	0	Nil	No
10	M.Pharm	E. Mohanambal	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	9	N i l	50	50	0	Nil	No
11	M.Pharm	B. Vijayakumar	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	15	N i l	50	50	0	Nil	No
12	M.Pharm	S.Wasim Raja	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	19	N i l	50	50	0	Nil	No
13	M.Pharm	Dr. V. Vayjayanthi	Professor	Sri Ramachandra University & 2009	20-05-2010	1	N i l	50	50	0	Nil	No
14	M.Pharm	S. Brito Raj	Assistant Professor	The T.N.MGR Medical University &	1 – 7- 2010	19	N i l	50	50	0	Nil	No

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2010												
15	M.Pharm	D. Suchitra	Assistant Professor	The T.N.MGR Medical University & 2009	10-02-2010	2	N i l	50	50	0	Nil	No
16	M.Pharm	S. Khadir	Assistant Professor	The T.N.MGR Medical University & 2009	02-08-2010	2	N i l	50	50	0	Nil	No
17	M.Pharm	D. Priya	Assistant Professor	The T.N.MGR Medical University & 2011	02-02-2011	0	N i l	50	50	0	Nil	No
18	M.Pharm	J. Mohanarangan	Assistant Professor	The T.N.MGR Medical University & 2010	02-02-2011	0	N i l	50	50	0	Nil	No
19	M.Pharm	M. Dhanalakshmi	Assistant Professor	The T.N.MGR Medical University & 2008	02-02-2011	0	N i l	50	50	19,90,000	Nil	No
20	M.Pharm	Rajasekhar Maganti	Assistant Professor	SRM University & 2009	2 – 2- 2011	0	N i l	50	50	0	Nil	No
21	M.Pharm	M. Nishanthi	Assistant Professor	The T.N.MGR Medical University & 2011	27-07-2011	0	N i l	50	50	0	Nil	No
22	M.Pharm	M. Jyotsna	Assistant Professor	JNTUA & 2011	02-09-2011	0	N i l	50	50	0	Nil	No
23	M.Pharm	Rajini Sudhireddy	Assistant Professor	VELS Univesity & 2010	26-09-2011	0	N i l	50	50	0	Nil	No
24	M.Pharm	C. Kiran Kumar	Assistant Professor	Annamalai University & 2008	26-09-2011	0	N i l	50	50	0	Nil	No
25	M.Pharm	P. Lakshman	Assistant Professor	Vels University & 2011	26-09-2011	0	N i l	50	50	0	Nil	No
26	M.Pharm	S. M. Shaheedha	Assistant Professor	The T.N.MGR Medical University & 2004	2 – 11-2011	0	N i l	50	50	21,60,000	Nil	No
27	M.Pharm	V. Hari	Assistant Professor	SV University & 2008	02-11-2011	0	N i l	50	50	0	Nil	No
28	M.Pharm	Afghan Zohra Khatu	Assistant Professor	The T.N.MGR Medical University &	02-11-2011	0	N i l	50	50	0	Nil	No
29	M.Pharm	B. Ramakrishna	Asssitant Professor	Rajiv Gandhi University of Health Sciences, Karnataka	26-11-2011	0	N i l	50	50	0	Nil	No
30	M.Pharm	Dr.R.Meenakhi sundaram	Director	The T.N.MGR Medical University & Ph.D. 2011	28 – 3 -2012	2	N i l	50	50	0	Nil	No
31	M.Pharm	S.Rajasekhar	Assistant Professor	The T.N.MGR Medical University & 2012	11-04-2012	0	N i l	50	50	0	Nil	No
32	M.Pharm	V.Muhillarasi	Associate Professor	Madras University &	1 – 8- 2010	0	N i	50	50	0	Nil	No

# NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

2012 - 2013												
				M.Sc. 2001		1						
1	PhD	Dr. K. Bhaskar Reddy	Principal	Kakatiya University & 2009	2 – 12- 2009	20	N i l	50	50	45,000	Nil	Yes
2	M.Pharm	M. Loganathan	Assistant Professor	The T.N.MGR Medical University & 2008	9 – 2- 2009	0	N i l	50	50	0	Nil	No
3	M.Pharm	N. Audinarayana	Assistant Professor	SRM University & 2009	1 – 7- 2009	8	N i l	50	50	0	Nil	No
4	M.Pharm	K. Harikumar	Assistant Professor	SV University & 2009	1 – 7- 2009	3	N i l	50	50	0	Nil	No
5	M.Pharm	R. Nisha Rajendran	Assistant Professor	The T.N.MGR Medical University & 2009	10 – 2- 2010	0	N i l	50	50	0	Nil	No
6	M.Pharm	G. Ramanjaneyulu	Assistant Professor	The T.N.MGR Medical University & 2006	10 – 2- 2010	0	N i l	50	50	0	Nil	No
7	M.Pharm	S. Sheela	Associate Professor	The T.N.MGR Medical University & 2000	15 -2 – 2010	2	N i l	50	50	0	Nil	No
8	M.Pharm	D. Jothieswari	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	7	N i l	50	50	0	Nil	No
9	M.Pharm	E. Mohanambal	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	9	N i l	50	50	25,50,000	Nil	No
10	M.Pharm	B. Vijayakumar	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	15	N i l	50	50	0	Nil	No
11	M.Pharm	S.Wasim Raja	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	19	N i l	50	50	0	Nil	No
12	PhD	Dr. V. Vaiayanthi	Professor	Sri Ramachandra University & 2009	20-05-2010	1	N i l	50	50	0	Nil	No
13	M.Pharm	S. Brito Raj	Assistant Professor	The T.N.MGR Medical University & 2010	1 – 7- 2010	22	N i l	50	50	0	Nil	No
14	M.Pharm	S. Khadir	Assistant Professor	The T.N.MGR Medical University & 2009	02-08-2010	0	N i l	50	50	0	Nil	No
15	M.Pharm	D. Priya	Assistant Professor	The T.N.MGR Medical University & 2011	02-02-2011	0	N i l	50	50	0	Nil	No
16	M.Pharm	J. Mohanarangan	Assistant Professor	The T.N.MGR Medical University & 2010	02-02-2011	0	N i l	50	50	0	Nil	No
17	M.Pharm	Rajasekhar	Assistant	SRM University	2 – 2- 2011	0	N	50	50	0	Nil	No

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		Maganti	Professor	& 2009								
18	M.Pharm	M. Nishanthi	Assistant Professor	The T.N.MGR Medical University & 2011	27-07-2011	5	N	50	50	0	Nil	No
19	M.Pharm	M. Jyotsna	Assistant Professor	JNTUA & 2011	02-09-2011	0	N	50	50	0	Nil	No
20	M.Pharm	Rajini Sudhireddy	Assistant Professor	VELS Univesity & 2010	26-09-2011	0	N	50	50	0	Nil	No
21	M.Pharm	C. Kiran Kumar	Assistant Professor	Annamalai University & 2008	26-09-2011	0	N	50	50	0	Nil	No
22	M.Pharm	S. M. Shaheedha	Assistant Professor	The T.N.MGR Medical University & 2004	2 – 11-2011	0	N	50	50	21,60,000	Nil	No
23	M.Pharm	V. Hari	Assistant Professor	SV University & 2008	02-11-2011	0	N	50	50	0	Nil	No
24	M.Pharm	Afghan Zohra Khatu	Assistant Professor	The T.N.MGR Medical University &	02-11-2011	0	N	50	50	0	Nil	No
25	M.Pharm	B. Ramakrishna	Assistant Professor	Rajiv Gandhi University of Health Sciences, Karnataka	26-11-2011	0	N	50	50	0	Nil	No
26	PhD	Dr.R.Meenakhi sundaram	Director	The T.N.MGR Medical University & Ph.D. 2011	28 – 3 -2012	2	N	50	50	0	Nil	Yes
27	M.Pharm	S.Rajasekhar	Assistant Professor	The T.N.MGR Medical University & 2012	11-04-2012	0	N	50	50	0	Nil	No
28	M.Pharm	R. Gandhimathi	Associate Professor	The T.N.MGR Medical University & 2002	01-08-2012	3	N	50	50	0	Nil	No
29	M.Pharm	A.Saravana kumar	Assistant Professor	The T.N.MGR Medical University & 2002	01-08-2012	1	N	50	50	0	Nil	No
30	PhD	Dr.I.Sowkar baig	Associate Professor	The T.N.MGR Medical University & 2012	13-08-2012	3	N	50	50	0	Nil	No
31	M.Pharm	Mohammadh Mydeen	Assistant Professor	The T.N.MGR Medical University & 2012	17-01-2013	0	N	50	50	0	Nil	No
32	M.Pharm	V. Rajani Sekhar	Assistant Professor	JNTUA, 2012	09-01-2013	0	N	50	50	0	Nil	No
33	M.Pharm	D.K.Sandeep	Assistant Professor	The T.N.MGR Medical University & 2012	11-01-2013	0	N	50	50	0	Nil	No
34	M.Pharm	J.Arun	Assistant Professor	The T.N.MGR Medical University & 2010	21-01-2013	0	N	50	50	0	Nil	No

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35	PhD	S.Hemalatha	Professor	The Tamil University, Thanjavur & 2009	03-10-2012	0	N i l	50	50	25,60,000	Nil	No
36	MSc	V.Muhillarasi	Associate Professor	Madras University & M.Sc. 2001	1 – 8- 2010	0	N i l	50	50	0	Nil	No
2013 - 2014												
1	PhD	Dr. K. Bhaskar Reddy	Principal	Kakatiya University & 2009	2 – 12- 2009	20	N i l	50	50	29,36,000	Nil	Yes
2	M.Pharm	M. Loganthan	Assistant Professor	The T.N.MGR Medical University & 2008	9 – 2- 2009	0	N i l	50	50	0	Nil	No
3	M.Pharm	N. Audinarayana	Assistant Professor	SRM University & 2009	1 – 7- 2009	8	N i l	50	50	0	Nil	No
4	M.Pharm	K. Harikumar	Assistant Professor	SV University & 2009	1 – 7- 2009	3	N i l	50	50	0	Nil	No
5	M.Pharm	R. Nisha Rajendran	Assistant Professor	The T.N.MGR Medical University & 2009	10 – 2- 2010	0	N i l	50	50	0	Nil	No
6	M.Pharm	G. Ramanjaneyulu	Assistant Professor	The T.N.MGR Medical University & 2006	10 – 2- 2010	0	N i l	50	50	0	Nil	No
7	M.Pharm	S. Sheela	Associate Professor	The T.N.MGR Medical University & 2000	15 -2 – 2010	0	N i l	50	50	0	Nil	No
8	M.Pharm	D. Jothieswari	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	7	N i l	50	50	0	Nil	No
9	M.Pharm	E. Mohanambal	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	9	N i l	50	50	0	Nil	No
10	M.Pharm	B. Vijayakumar	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	15	N i l	50	50	0	Nil	No
11	M.Pharm	S.Wasim Raja	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	19	N i l	50	50	0	Nil	No
12	M.Pharm	Dr. V. Vaijyanthi	Professor	Sri Ramachandra University & 2009	20-05-2010	1	N i l	50	50	0	Nil	No
13	M.Pharm	S. Brito Raj	Assistant Professor	The T.N.MGR Medical University & 2010	1 – 7- 2010	22	N i l	50	50	0	Nil	No
14	M.Pharm	S. Khadir	Assistant Professor	The T.N.MGR Medical University & 2009	02-08-2010	0	N i l	50	50	0	Nil	No
15	M.Pharm	D. Priya	Assistant Professor	The T.N.MGR Medical University &	02-02-2011	0	N i l	50	50	0	Nil	No

# NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

2011												
16	M.Pharm	J. Mohanarangan	Assistant Professor	The T.N.MGR Medical University & 2010	02-02-2011	0	N i l	50	50	0	Nil	No
17	M.Pharm	Rajasekhar Maganti	Assistant Professor	SRM University & 2009	2 – 2- 2011	0	N i l	50	50	0	Nil	No
18	M.Pharm	M. Nishanthi	Assistant Professor	The T.N.MGR Medical University & 2011	27-07-2011	5	N i l	50	50	0	Nil	No
19	M.Pharm	M. Jyotsna	Assistant Professor	JNTUA & 2011	02-09-2011	0	N i l	50	50	0	Nil	No
20	M.Pharm	Rajini Sudhireddy	Assistant Professor	VELS Univesity & 2010	26-09-2011	0	N i l	50	50	0	Nil	No
21	M.Pharm	C. Kiran Kumar	Assistant Professor	Annamalai University & 2008	26-09-2011	0	N i l	50	50	0	Nil	No
22	M.Pharm	S. M. Shaheedha	Assistant Professor	The T.N.MGR Medical University & 2004	2 – 11-2011	0	N i l	50	50	21,60,000	Nil	No
23	M.Pharm	V. Hari	Assistant Professor	SV University & 2008	02-11-2011	0	N i l	50	50	0	Nil	No
24	M.Pharm	Afghan Zohra Khatu	Assistant Professor	The T.N.MGR Medical University & 2011	02-11-2011	0	N i l	50	50	0	Nil	No
25	M.Pharm	B. Ramakrishna	Assistant Professor	Rajiv Gandhi University of Health Sciences, Karnataka & 2008	26-11-2011	0	N i l	50	50	0	Nil	No
26	PhD	Dr.R.Meenakhi sundaram	Director	The T.N.MGR Medical University & 2011	28 – 3 -2012	2	N i l	50	50	0	Nil	Yes
27	M.Pharm	S.Rajasekhar	Assistant Professor	The T.N.MGR Medical University & 2012	11-04-2012	0	N i l	50	50	0	Nil	No
28	M.Pharm	R. Gandhimathi	Associate Professor	The T.N.MGR Medical University & 2001	01-08-2012	3	N i l	50	50	0	Nil	No
29	M.Pharm	A.Saravana kumar	Assistant Professor	The T.N.MGR Medical University & 2008	01-08-2012	1	N i l	50	50	0	Nil	No
30	PhD	Dr.I.Sowkar baig	Associate Professor	The T.N.MGR Medical University & 2012	13-08-2012	3	N i l	50	50	0	Nil	No
31	M.Pharm	Mohammadh Mydeen	Assistant Professor	The T.N.MGR Medical University & 2012	17-01-2013	0	N i l	50	50	0	Nil	No
32	M.Pharm	V. Rajani Sekhar	Assistant Professor	JNTUA, 2012	09-01-2013	0	N i l	50	50	0	Nil	No



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33	M.Pharm	D.K.Sandeep	Assistant Professor	The T.N.MGR Medical University & 2012	11-01-2013	0	N i l	50	50	0	Nil	No
34	M.Pharm	J.Arun	Assistant Professor	The T.N.MGR Medical University & 2010	21-01-2013	0	N i l	50	50	0	Nil	No
35	PhD	Dr S.Hemalatha	Professor	The Tamil University, Thanjavur & 2009	03-10-2012	0	N i l	50	50	25,60,000	Nil	No
36	HAS	V.Muhillarasi	Associate Professor	Madras University & M.Sc. 2001	1 – 8- 2010	0	N i l	50	50	0	Nil	No
37	M.Pharm	K Bharadwaj	Assistant Professor	London Metroplitein University & 2012	01-02-2013	0	N i l	50	50	0	Nil	No
38	M.Pharm	V Guruprasad	Assistant Professor	Rajiv Gandhi University of Health Sciences, Karnataka & 2006	01-02-2013	0	N i l	50	50	0	Nil	No
39	M.Pharm	K Pushpavalli	Assistant Professor	The T.N.MGR Medical University & 2007	01-02-2013	0	N i l	50	50	0	Nil	No
40	M.Pharm	B Sandhya	Assistant Professor	JNTUA, Anantapur, & 2013	01-11-2013	2	N i l	50	50	0	Nil	No
41	M.Pharm	P Sucharitha	Assistant Professor	JNTUA, Anantapur, & 2013	01-11-2013	2	N i l	50	50	0	Nil	No
42	M.Pharm	J Omkar Reddy	Assistant Professor	JNTUH, & BCA, 2009	02-01-2010	0	N i l	50	50	0	Nil	No
43	M.Pharm	U Madhavi	Assistant Professor	SV University, M.Sc., 2008	01/27/2010	0	N i l	50	50	0	Nil	No
44	M.Pharm	Vanitha C	Assistant Professor	The T.N.MGR Medical University & 2011	01-07-2013	2	N i l	50	50	0	Nil	No
45	M.Pharm	Mr. D Abilash	Assistant Professor	SV University, M.Sc., 2013	02-03-2013	0	N i l	50	50	0	Nil	No
46	PhD	Dr. V Gunasekaran	Professor	The T.N.MGR Medical University & Ph.D. 2009	02-12-2013	0	N i l	50	50	0	Nil	Yes
47	PhD	Dr. G Swarna Latha	Associate Professor	JNTUA, Anantapur, & Ph.D. 2013	18-11-2013	0	N i l	50	50	33,40,600	Nil	No
<b>2014-15</b>												
1	PhD	Dr. K. Bhaskar Reddy	Principal	Kakatiya University & 2009	2 – 12- 2009	34	N i l	50	50	29,36,000	Nil	Yes
2	M.Pharm	M. Loganathan	Assistant Professor	The T.N.MGR Medical University & 2008	9 – 2- 2009	0	N i l	50	50	0	Nil	No
3	M.Pharm	N. Audinarayana	Assistant Professor	SRM University & 2009	1 – 7- 2009	10	N i l	50	50	0	Nil	No

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							1						
4	M.Pharm	K. Harikumar	Assistant Professor	SV University & 2009	1 – 7- 2009	4	N i l	50	50	0	Nil	No	
5	M.Pharm	R. Nisha Rajendran	Assistant Professor	The T.N.MGR Medical University & 2009	10 – 2- 2010	0	N i l	50	50	0	Nil	No	
6	M.Pharm	G. Ramanjaneyulu	Assistant Professor	The T.N.MGR Medical University & 2006	10 – 2- 2010	0	N i l	50	50	0	Nil	No	
7	M.Pharm	S. Sheela	Associate Professor	The T.N.MGR Medical University & 2000	15 -2 – 2010	0	N i l	50	50	0	Nil	No	
8	M.Pharm	D. Jothieswari	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	10	N i l	50	50	22,60,00	0	Nil	No
9	M.Pharm	E. Mohanambal	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	12	N i l	50	50	25,50,00	0	Nil	No
10	M.Pharm	B. Vijayakumar	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	15	N i l	50	50	0	Nil	No	
11	M.Pharm	S. Wasim Raja	Assistant Professor	The T.N.MGR Medical University & 2010	3 – 5- 2010	19	N i l	50	50	0	Nil	No	
12	M.Pharm	Dr. V. Vajayanthi	Professor	Sri Ramachandra University & 2009	20-05-2010	1	N i l	50	50	31,62,40	0	Nil	No
14	M.Pharm	S. Khadir	Assistant Professor	The T.N.MGR Medical University & 2009	02-08-2010	0	N i l	50	50	0	Nil	No	
15	M.Pharm	D. Priya	Assistant Professor	The T.N.MGR Medical University & 2011	02-02-2011	0	N i l	50	50	0	Nil	No	
16	M.Pharm	J. Mohanarangan	Assistant Professor	The T.N.MGR Medical University & 2010	02-02-2011	0	N i l	50	50	0	Nil	No	
17	M.Pharm	Rajasekhar Maganti	Assistant Professor	SRM University & 2009	2 – 2- 2011	0	N i l	50	50	0	Nil	No	
18	M.Pharm	M. Nishanthi	Assistant Professor	The T.N.MGR Medical University & 2011	27-07-2011	5	N i l	50	50	0	Nil	No	
19	M.Pharm	M. Jyotsna	Assistant Professor	JNTUA & 2011	02-09-2011	0	N i l	50	50	0	Nil	No	
20	M.Pharm	Rajini Sudhiredy	Assistant Professor	VELS Univesity & 2010	26-09-2011	0	N i l	50	50	0	Nil	No	
21	M.Pharm	C. Kiran Kumar	Assistant Professor	Annamalai University & 2008	26-09-2011	0	N i l	50	50	0	Nil	No	

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22	M.Pharm	S. M. Shaheedha	Assistant Professor	The T.N.MGR Medical University & 2004	2 – 11-2011	0	N i l	50	50	21,60,000	Nil	No
23	M.Pharm	V. Hari	Assistant Professor	SV University & 2008	02-11-2011	0	N i l	50	50	0	Nil	No
24	M.Pharm	Afghan Zohra Khatu	Assistant Professor	The T.N.MGR Medical University & 2011	02-11-2011	0	N i l	50	50	0	Nil	No
25	M.Pharm	B. Ramakrishna	Assistant Professor	Rajiv Gandhi University of Health Sciences, Karnataka & 2008	26-11-2011	0	N i l	50	50	0	Nil	No
26	PhD	Dr.R.Meenakhi sundaram	Director	The T.N.MGR Medical University & 2011	28 – 3 -2012	2	N i l	50	50	0	Nil	Yes
27	M.Pharm	S.Rajasekhar	Assistant Professor	The T.N.MGR Medical University & 2012	11-04-2012	0	N i l	50	50	0	Nil	No
28	M.Pharm	R. Gandhimathi	Associate Professor	The T.N.MGR Medical University & 2001	01-08-2012	3	N i l	50	50	28,00,000	Nil	No
29	M.Pharm	A.Saravana kumar	Assistant Professor	The T.N.MGR Medical University & 2008	01-08-2012	3	N i l	50	50	43,61,000	Nil	No
30	PhD	Dr.I.Sowkar baig	Associate Professor	The T.N.MGR Medical University & 2012	13-08-2012	3	N i l	50	50	35,86,000	Nil	No
31	M.Pharm	Mohammadh Mydeen	Assistant Professor	The T.N.MGR Medical University & 2012	17-01-2013	0	N i l	50	50	0	Nil	No
32	M.Pharm	V. Rajani Sekhar	Assistant Professor	JNTUA, 2012	09-01-2013	0	N i l	50	50	4,30,000	Nil	No
33	M.Pharm	D.K.Sandeep	Assistant Professor	The T.N.MGR Medical University & 2012	11-01-2013	0	N i l	50	50	0	Nil	No
34	M.Pharm	J.Arun	Assistant Professor	The T.N.MGR Medical University & 2010	21-01-2013	0	N i l	50	50	0	Nil	No
35	PhD	Dr S.Hemalatha	Professor	The Tamil University, Thanjavur & 2009	03-10-2012	0	N i l	50	50	60,21,600	Nil	No
36	M.Pharm	K Bharadwaj	Assistant Professor	London Metroplitein University & 2012	01-02-2013	0	N i l	50	50	0	Nil	No
37	M.Pharm	V Guruprasad	Assistant Professor	Rajiv Gandhi University of Health Sciences, Karnataka & 2006	01-02-2013	0	N i l	50	50	0	Nil	No

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38	M.Pharm	K Pushpavalli	Assistant Professor	The T.N.MGR Medical University & 2007	01-02-2013	0	N i l	50	50	0	Nil	No
39	M.Pharm	Dr. V Gunasekaran	Professor	The T.N.MGR Medical University & Ph.D. 2009	02-12-2013	0	N i l	50	50	0	Nil	Yes
40	PhD	Dr. G Swarna Latha	Associate Professor	JNTUA, Anantapur, & Ph.D. 2013	18-11-2013	0	N i l	50	50	33,40,600	Nil	No
41	M.Pharm	P Sumathy	Associate Professor	The T.N.MGR Medical University & 2008	01-10-2013	3	N i l	50	50	0	Nil	No
42	M.Pharm	Vanitha C	Assistant Professor	The T.N.MGR Medical University & 2011	01-07-2013	4	N i l	50	50	0	Nil	No
43	M.Pharm	E Mounika	Assistant Professor	Prist University & 2013	11-11-2013	0	N i l	50	50	0	Nil	No
44	M.Pharm	B Sandhya	Assistant Professor	JNTUA, Anantapur, & 2013	01-11-2013	3	N i l	50	50	0	Nil	No
45	M.Pharm	P Sucharitha	Assistant Professor	JNTUA, Anantapur, & 2013	01-11-2013	2	N i l	50	50	0	Nil	No
46	M.Pharm	V Harichandana	Assistant Professor	JNTUA, Anantapur, & Pharm.D. 2013	03-02-2014	0	N i l	50	50	0	Nil	No
47	M.Pharm	S Jayasree	Assistant Professor	SV Unviersity & 2013	01-07-2013	0	N i l	50	50	0	Nil	No
48	M.Pharm	M Vishnu Priya	Assistant Professor	JNTUA, Anantapur, & 2013	29-09-2014	3	N i l	50	50	0	Nil	No
49	M.Pharm	P. Sreekanth	Assistant Professor	JNTUA, Anantapur, & 2013	09-01-2014	0	N i l	50	50	0	Nil	No
50	PhD	Dr. Lakshmi Sivasubramanian	Professor	SRM University, Ph.D. & 2011	06-02-2015	3	N i l	50	50	37,86,000	Nil	No
51	M.Pharm	G. Neelima	Assistant Professor	JNTUA, Anantapur, & 2012	09-02-2015	0	N i l	50	50	0	Nil	No
52	M.Pharm	N. Priyanaka	Assistant Professor	JNTUA, Anantapur, & 2014	25-02-2015	0	N i l	50	50	0	Nil	No
53	M.Pharm	P. Chandrakala	Assistant Professor	JNTUA, Anantapur, & 2015	16-03-2015	0	N i l	50	50	0	Nil	No
54	M.Pharm	J Omkar Reddy	Assistant Professor	JNTUH, & BCA, 2009	02-01-2010	0	N i l	50	50	0	Nil	No
55	M.Pharm	U Madhavi	Assistant Professor	SV University, M.Sc., 2008	01/27/2010	0	N i l	50	50	0	Nil	No
56	M.Pharm	D Abilash	Assistant Professor	SV University, M.Sc., 2013	02-03-2013	0	N i l	50	50	0	Nil	No
57	MSc	V Swetha	Assistant Professor	SV University, & M.Sc., 2014	02-07-2014	0	N i l	50	50	0	Nil	No

**5.1 Student Teacher Ratio (STR) (20)**

STR is desired to be 15 or superior

Assessment =  $20 \times 15/STR$ ; subject to maximum assessment of 20

STR =  $(a + b + c + d)/N1$

where, a = Number of students in 1<sup>st</sup> year of the programme

b = Number of students in 2<sup>nd</sup> year of the programme

c = Number of students in 3<sup>rd</sup> year of the programme

d = Number of students in 4<sup>th</sup> year of the programme

N1 = Total number of faculty members in the programme (by considering fractional load)

Year	a	b	c	d	(a+b+c+d)	N1	STR	Assessment (max.20)
CAYm2	80	61	43	26	210	13	16.15	18.57
CAYm1	60	44	26	50	180	11	16.36	18.33
CAY	54	81	80	61	276	20	13.8	20.00
<b>Average Assessment</b>								<b>18.96</b>

For Item nos. 5. 2 to 5. 8, the denominator term (N) is computed as follows:

N = Maximum {N1, N2}

N1 = Total number of faculty members in the programme (considering the fractional load)

N2 = Number of faculty positions needed for student-teacher ratio of 15.

Year	N1	N2	N = Max (N1, N2)
CAYm2	26	43	43
CAYm1	38	48	48
CAY	38	48	48

**5.2. Faculty Cadre Ratio (20)**

Assessment =  $20 \times CRI$

where, CRI = Cadre ratio index

=  $2.25 \times (2x + y)/N$ ; subject to max. CRI = 1.0

where, x = Number of professors in the programme

Y = Number of associate professors in the programme

Year	X	Y	N	CRI	Assessment
CAYm2	4	6	43	0.73	14.65
CAYm1	4	6	48	0.66	13.12
CAY	7	5	48	0.89	17.80
<b>Average Assessment</b>					<b>15.19</b>

5.3. Faculty Qualifications (30)

<b>Assessment</b>	=	<b>6 × FQI</b>
<b>Where FQI</b>	=	Faculty qualification Index
	=	$(10x + 6y) / N2$
<b>Where, x</b>	=	Number of faculty members with PhD
<b>y</b>	=	Number of faculty members with M.Pharm

	<b>x</b>	<b>y</b>	<b>N</b>	<b>FQI</b>	<b>Assessment</b>
<b>CAYm2</b>	<b>5</b>	<b>28</b>	<b>36</b>	<b>6.05</b>	<b>30.0</b>
<b>CAYm1</b>	<b>5</b>	<b>39</b>	<b>48</b>	<b>5.91</b>	<b>30.0</b>
<b>CAY</b>	<b>8</b>	<b>45</b>	<b>57</b>	<b>6.14</b>	<b>30.0</b>

**Average Assessment**

5.4. Faculty Competencies correlation to Programme Specific Criteria (15)

S.No	Name of the Faculty	Specialization	Research Publications	Contribution to course development
1	Dr. K.Bhaskar Reddy	Pharmaceutics	40	Organized workshops
2	Dr. V.Gunasekaran	Pharmaceutical Chemistry	43	Organised guest lectures
3	Dr.R.Meenakshi Sundaram	Pharmacology	30	Organised guest lectures
4	Dr.S.Hemalatha	Pharmacognosy	20	Organised guest lectures
5	Dr. V.Vaijyanthi	Pharmacy Practice	15	Organized guest lectures
6	Dr.S.Lakshmi	Pharmaceutical Analysis	49	Organized Faculty development programme
7	Dr.G.Swarnalatha	Pharmaceutical Chemistry	6	Organized National level Seminar
8	Mr.R.BritoRaj	Pharmaceutics	19	Attended Faculty development programme and Pursuing PhD
9	Dr.A.Saravanakumar	Pharmacology	22	Organized a National Level Seminar
10	Mrs.D.Jothieswari	Pharmaceutical Chemistry	18	Pursuing PhD

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11	Mr.B.Vijayakumar	Pharmaceutical Chemistry	28	Pursuing PhD
12	Mrs.S.M.Shaheedha	Pharmacognosy	3	Submitted PhD
13	Mrs.R.Gandhimathi	Pharmaceutical Chemistry	27	Pursuing PhD
14	Mr.N.Audinarayana	Pharmaceutics	6	Organized guest lectures
15	Mr.S.Rajasekar	Pharmaceutical Chemistry	3	Pursuing PhD
16	Ms.C.Vanitha	Pharmaceutical Analysis	6	Organized Guest Lectures

### 5.5 Faculty as participants/resource persons in faculty development/training activities (15)

Participant/resource person in two week faculty development programme : 5 points

Participant/resource person in one week faculty development programme : 3 Points

Name of the Faculty	Max. 5 per faculty		
	CAYm2	CAYm1	CAY
Dr. K Bhaskar Reddy	5		3
Dr. V Gunasekaran		3	3
Dr. R Meenakshi Sundaram	5		
Dr. V Vaijyanthi	5	3	5
Dr. S Hemalatha		5	5
Dr.S.Lakshmi			3
Dr. I Sowkar Baig	5	5	3
Dr. G. Swarnalatha		5	3
Mrs. P. Sumathy	5	5	3
Mrs. R Gandhimathi	5	5	5
Mrs. S M Shaheedha	3	3	
Mr. A Saravana Kumar	5	3	
Mr. N Audi Narayana	3		5
Mr. K Hari Kumar	5	5	
Mrs. D Jothieswari	5	3	
Ms. E Mohanambal	5	5	5
Mr. B Vijayakumar	3	5	3
Mr. S Wasim Raja	3	3	5
Mr. S Brito Raj	5	5	

Mr. S Rajasekhar	5		5
Ms. V Rajani Sekhar	3	5	3
Ms. Vanitha C	5		3
<b>Sum</b>	<b>80</b>	<b>68</b>	<b>59</b>
N (Number Of Faculty Position Required For An STR Of 15)	18	18	18
<b>Assessment = <math>3 \times \text{sum} / N</math></b>	<b>13.33</b>	<b>11.33</b>	<b>9.83</b>
	<b>Average Assessment</b>		<b>11.49</b>

**5.6. Faculty Retention (15)**

$$\text{Assessment} = 3 \times \text{RPI} / N$$

where RPI = Retention point index  
 = Points assigned to all faculty members

where points assigned to a faculty member = 1 point for each year of experience at the institute but not exceeding 5.

Item	CAYm2	CAYm1	CAY
Number of faculty members with experience of less than 1 year (x0)	0	0	2
Number of faculty members with 1 to 2 years of experience (x1)	0	0	4
Number of faculty members with 2 to 3 years of experience (x2)	0	5	3
Number of faculty members with 3 to 4 years of experience (x3)	9	13	21
Number of faculty members with 4 to 5 years of experience (x4)	8	10	11
Number of faculty members with more than 5 years of experience (x5)	18	19	16
N	43	48	57
RPI = $x1 + 2x2 + 3x3 + 4x4 + 5x5$	149	184	197
Assessment	10.38	11.5	10.36
	Average Assessment		10.746

**5.7 Faculty Research Publications (FRP) (20)**

Assessment of FRP =  $4 \times (\text{Sum of the research publication points scored by each faculty member}) / N$

The research papers considered are those ( i ) which can be located on the internet and/or are included in hard-copy volumes/proceedings, published by reputed publishers, and (ii) the faculty member's affiliation, in the published papers/books, is of the current institution.

Include a list of all such publications and IPRs along with details of DOI, publisher, month/year, etc.



Name of the faculty contributing to FRP	FRP points (max. 5 per faculty)		
	CAYm2	CAYm1	CAY
Dr. K Bhaskar Reddy	5	5	5
Dr. V Gunasekaran	-	5	5
Dr. R Meenakshi Sundaram	5	5	5
Dr. V Vaijyanthi	5	5	5
Dr. S Hemalatha	5	5	5
Dr. I Sowkar Baig	-	5	5
Dr. G. Swarnalatha	-	5	5
Dr.S.Lakshmi	-	-	5
Mrs. P. Sumathy	5	5	5
Mrs. R Gandhimathi	5	5	5
Mrs. S M Shaheedha	5	5	5
Mr. A Saravana Kumar	5	5	5
Mr. N Audi Narayana	5	5	5
Mr. K Hari Kumar	-	5	5
Mrs. D Jothieswari	5	5	5
Ms. E Mohanambal	5	5	5
Mr. B Vijayakumar	5	5	5
Mr. S Wasim Raja	5	5	5
Mr. S Brito Raj	5	5	5
Mr. S Rajasekhar	5	5	5
Ms. V Rajani Sekhar	5	5	5
Ms. Vanitha C	-	5	5
Ms. B Sandhaya	-	5	5
Ms. P Sucharitha	-	5	5
N (Number of faculty positions required for an STR 15)	18	18	18
Assessment of FRP = $4 \times \text{sum} / N$	17.77	24.44	26.66
Average Assessment			20

- Annexure -

**5.8. Faculty Intellectual Property Rights (FIPR) (10)**

Assessment of FIPR =  $2 \times (\text{Sum of the FIPR points scored by each faculty member})/N$   
 (Instruction: A faculty member scores maximum five FIPR points each year. FIPR includes awarded national/international patents, design, and copyrights.)

NIL

**5.9. Funded R&D Projects and Consultancy (FRDC) Work (20)**

Assessment of R&D and consultancy projects =  $4 \times (\text{Sum of FRDC by each faculty member})/N$

(Instruction: A faculty member scores maximum 5 points, depending upon the amount.) A suggested scheme is given below for a minimum amount of Rs. 1 lakh:

Five points for funding by national agency,

Four points for funding by state agency/private sector, and

Two points for funding by the sponsoring trust/society.

Name of the faculty member contributing to FRDC	FRDC (max. 5 per faculty)		
	CAYm2	CAYm1	CAY
Dr.K.Bhaskar Reddy	5	5	5
Dr.S.Hemalatha	5	5	5
Ms.E.Mohanambal	5	5	-
Ms.S.M.Shaheedha	5	5	5
Ms.D.Jothieswari	5	5	5
Ms.M.Dhanalakshmi	5	5	-
Dr.A.Saravanakumar	5	5	5
Dr.G.Swarnalatha	-	-	5
Mr.R.BritoRaj		5	5
Ms.Rajini Sekar	-	5	5
Dr.S.Lakshmi			5
Dr.I.Sowkar Baig	-	-	5
Mrs.R.Gandhimathi	-	-	5
Mr.S.Rajasekar	-	5	5
Dr.V.Vaijayanthi	-	-	5
Sum	35	50	65
N	18	18	18
Assessment of FRDC = $4 \times \text{Sum} / N$	7.77	11.11	14.44
	Average Assessment		11.10

**5.10. Faculty Interaction with Outside World (10)**

FIP = Faculty interaction points

Assessment =  $2 \times (\text{Sum of FIP by each faculty member})/N$

(Instruction: A faculty member gets maximum five interaction points, depending upon the type of institution or R&D laboratory or industry, as follows)

Five points for interaction with a reputed institution abroad, institution of eminence in India, or national research laboratories,

Three points for interaction with institution/industry (not covered earlier).

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Points to be awarded, for those activities, which result in joint efforts in publication of books/research paper, pursuing externally funded R&D / consultancy projects and/or development of semester-long course / teaching modules.

Name of the faculty member contributing to FIP	FIP		
	CAYm2	CAYm1	CAY
Dr.K.Bhaskar Reddy	5	5	5
Dr.S.Hemalatha	5	5	5
Ms.E.Mohanambal	5	5	-
Ms.S.M.Shaheedha	5	5	5
Ms.D.Jothieswari	5	5	5
Ms.M.Dhanalakshmi	5	5	-
Dr.A.Saravanakumar	5	5	5
Dr.G.Swarnalatha	-	-	5
Mr.R.BritoRaj		5	5
Ms.Rajini Sekar	-	5	5
Dr.S.Lakshmi	-	-	5
Dr.I.Sowkar Baig	-	-	5
Mrs.R.Gandhimathi	-	5	5
Mr.S.Rajasekar	-	5	5
Dr.V.Vaijyanthi	-	-	5
Mr.B.Vijayakumar	-	5	5
Ms.C.Vanitha	-	5	5
Sum	35	65	75
N	18	18	18
Assessment of FIP = $2 \times \text{Sum} / N$	3.88	7.22	8.33
	Average Assessment		6.47

## 6. Facilities and Technical Support (150)

*(Description of class rooms, laboratories, machine room, tutorial rooms, instrument room, faculty rooms, seminar and conference halls, administrative space etc)*

Room description	Number	Shared / Exclusive	Capacity	Dimensions with area	Rooms / Labs equipped with
<b>Teaching and Administrative area</b>					
Class Room	10	Exclusive	75 each	90 sq.m	Benches Podium LCD/OHP
Tutorial room	10	Exclusive	35 each	57 sq.m	Individual chairs, OHP
Seminar Hall	1	Exclusive	120	204 sq.m	Individual chairs, LCD, OHP, Sound systems
Conference Hall	1	Shared			
Principal's Chamber	1	Exclusive	9	54sq.m	Computer with internet & reprography
Office	1	Exclusive	7	39 sq.m	Computer with reprographic facilities
Faculty Rooms	2	Shared	4 each	30 sq.m	Computer with internet
Girls common Room	1	Exclusive	40	55 sq.m	furniture
Boys Common Room	1	Shared	40	55 sq.m	furniture
Others (Specify)	Guest room	Exclusive	5	55 sq.m	furniture
<b>Laboratories and Stores</b>					
Pharmaceutics	4	Shared	30	97.6 sq.m	Instruments
Microbiology (with aseptic room) Biotechnology	2	Shared	30	97.6 sq.m	Laminar air flow
Pharm.Chemistry	4	Shared	30	97.6 sq.m	Fuming Chamber
Anatomy & Physiology	1	Shared	30	97.6 sq.m	Skeleton, chart models
Pharmacology	2	Shared	30	97.6 sq.m	Instruments
Pharmacognosy	1	Shared	30	97.6 sq.m	Charts, Microscopes
Machine Room	1	Shared	30	110 sq.m	Instruments
Instrument Room	1	Shared	15	57 Sq.m	Instruments
Computer lab	1	Shared	20	60 sq.m	Computers
Museum	1	Shared	-	-	Samples
Stores	1	Shared	-	97.6 sq.m	Chemicals
Animal House	1	Shared	-	100 sq.m	Animals / cages
Animal Room	1	Shared	-	-	Animals / cages
Others	Herbal Garden	Shared	-	-	Herbal plants

## **6.1. Class/Tutorial rooms for the programme [20]**

*(Facilities for conducting theory classes)*

### 6.1.1. Adequacy of rooms for lectures (core/electives), seminars, tutorials, etc. for the programme (10)

*(Assessment based on the information provided in the above table and the verification thereof)*

- College has sufficient class rooms for conducting lectures and tutorials for I year to final year B.Pharm Students
- Class rooms are provided with good ventilation, LCD, Podium, high speed LAN connection and uninterrupted power supply.
- College has sufficient tutorial rooms to conduct regular tutorial classes and to conduct remedial classes for students having backlogs.
- College also has a seminar hall of 120 capacity to conduct seminars, guest lectures and workshops.

### 6.1.2. Teaching aids – white/interactive boards, OPH multimedia projectors, etc. (05)

*(Assessment based on the information provided in the above table and the verification thereof)*

- All class rooms were equipped with facilities like black board, fans, tube lights, benches, chairs and podium
- All class rooms are fixed with LCD projectors for conducting presentation sessions.
- Internet connection is provided to facilitate sharing of online information

### 6.1.3. Quality of acoustics, class room size, conditions of chairs/benches, air circulation/ventilation, lighting/illumination, exit points, ambience, etc. (05)

*(Assessment based on the information provided in the above table and the verification thereof)*

- All class rooms are of size 90 sq.mt in which adequate numbers of benches / chairs are provided to accommodate good number of students.
- Each and every class room is built with good ventilation (approx. 4 windows / class room)
- Class rooms are equipped with lights, fans, chairs/benches, LCD and Podium with good ambience.

## **6.2. Faculty rooms [20]**

*(Availability of space and other facilities)*

### 6.2.1. Availability of faculty rooms (10)

*(Assessment based on the information provided in the above table and the verification thereof)*

- Adequate number of staff rooms with a size of 30 sq.m each is available to accommodate every faculty member.
- Cabins are provided to each faculty member

### 6.2.2. Rooms equipped with white/black board, computer, internet, furniture, almirah etc (10)

*(Assessment based on the information provided in the above table and the verification thereof)*

- Every faculty member is provided with a computer with unlimited internet facility

- Each staff room is separated in to three to four cabins. Every cabin is provided with a computer, chairs and racks to store their books and files.
- All the staff rooms are equipped with high speed LAN connection.

**6.3. Laboratories, instrument/machine room and computer room along with equipments and relevant facilities [50]**

*(Scientific Experiments Conducting/Computing facilities)*

S.No.	Lab Description	Space / Student Ratio	Availability of Manuals	Quality of Instruments	Remarks
1	Machine Lab	78 sq.m 30 students per batch	Available	Working condition	Equipped with Tablet Punching machine, Disintegrator, dissolution and coating pan apparatus
2	Instrument Lab	68 sq.m 30 students per batch	Available	Working condition	Equipped with UV-Vis Spectrophotometer, Fluorimeter, Flame Photometer and HPLC
3	Room No: Pharmaceutics Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with viscometer, friability tester etc
4	Room No. Pharmaceutics Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with disintegrator and dissolution apparatus
5	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with water bath, reflux condensers
6	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with fuming hood and chemicals
7	Room No. Pharmacognosy Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with Microscopes, crude drugs and charts
8	Room No. Pharmacology Lab	104.5 sq.m 30 students per batch	Available	Working condition	Equipped with

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9	Room No. Anatomy and Physiology Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with Models and charts
10	Room No. Pharmaceutical Microbiology Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with autoclave and laminar air flow unit
11	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with glass wares and chemicals
12	Computer Lab	60 sq.m 15 students per batch	-	Working condition	Computers with high speed internet

*(Give a separate table for Instrument room and Machine room listing all the instruments/equipments present with their make and model, existence of SOPs and Log Books for individual equipments)*

### LIST OF EQUIPMENTS IN MACHINE ROOM

S.No	Name of the Equipment	Make & Model	SOP	Log Book
1	16-Station Single Rotary Tablet Compression Machine	Karnavathi Engineering Ltd	Available	Available
2	Stability chamber	Thermolab	Available	Available
3	Friability tester	Lab India	Available	Available
4	Disintegrator	Lab India	Available	Available
5	Dissolution Apparatus	Lab India/ DS 8000	Available	Available
6	Collapsible Tube Filling Machine	-	Available	Available
7	Planetary mixwe	Karnavathi Engineering Ltd	Available	Available
8	Double Cone blender	Karnavathi Engineering Ltd	Available	Available
9	Capsule Filling machine	-	Available	Available
10	Tapped density apparatus	Lab India	Available	Available

**LIST OF INSTRUMENTS IN INSTRUMENT ROOM**

S.No	Name of the Instrument	Make & Model	SOP	Log Book
1	Single beam UV Vis Spectrophotometer	Analytical Technology	Available	Available
2	Photofluorimeter	-	Available	Available
3	Nepheloturbidimeter	-	Available	Available
4	Flame Photometer	-	Available	Available
5	Zeta Sizer	Horiba	Available	Available
6	Conductivity meter	-	Available	Available
7	Potentiometer	-	Available	Available
8	High Performance Liquid Chromatograph	Analytical Technology	Available	Available

The following instruments were purchased during the last four years.

Generic Name of Equipment	Model & Make	Year of Purchase	Department	Price (Rs.)	Remarks including accessories available and current usage of equipment
Zeta Sizer	Horiba	2015	Pharmaceutics	35,00,000	To determine the particle size and zeta potential of the nanoparticles
All Mazes Video Tracking software for CNS Activities	Orchid Scientifics	2014	Pharmacology	2,72,000	Screening the CNS and motor activities of drugs on rats and mice
Y Maze, Water Maze, Elevated plus Maze for Rat	Orchid Scientifics	2014	Pharmacology	2,00,000	Screening the CNS and motor activities of drugs on rats and mice
Rota Rod	Orchid Scientifics	2014	Pharmacology	1,57,000	Screening the muscle and motor activities of drugs on rats and mice
Digital Electro Convulsimeter	Orchid Scientifics	2014	Pharmacology	21,000	Screening the anti convulsant activities of drugs on rats and mice
Semi Automatic Chemistry Analyser	Buchi	2014	Pharmacology	1,97,000	Estimation of biological, renal and haematological parameters



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Stability Chambers	Thermolab	2014	Pharmaceutics	5,50,000	To study the stability of the drug formulations
16-Station Single Rotary Tablet Compression Machine	Karnavathi Engineering Ltd	2013	Pharmaceutics	2,70,000	To compress the formulation into tablet dosage form
FTIR	Bruker alpha – T	2012	Pharmaceutical analysis	9,76,500	Structural elucidation of chemical compounds, Compatibility studies
High Speed Homogenizer	CAT Unidrive X1000&X1000D	2012	Pharmaceutics	1,35,000	For uniform dispersion
Probe Sonicator	CAT Q125 Sonicator	2012	Pharmaceutics	2,40,000	Particle size reduction
Rotary Flash Evaporator	Buchi Rotavapor R-3V Condenser	2012	Pharmaceutics	3,50,000	Evaporation of volatile compounds
Dissolution test apparatus	Lab India DS-8000 (6+2) SC/TR	2012	Pharmaceutics	3,41,294	Drug release studies for solid dosage form
HPLC	Analytical Technologies	2011	Pharmaceutical Analysis	4,95,500	Isolating natural products and predicting physical properties
Metabolic cage	Techniplast	2011	Pharmacology	18,000	Metabolic monitoring of rats
Digital Actophotometer	Bluefic Industrial and Scientific Technologies	2011	Pharmacology	70,000	Screening of locomotor activity
UV/Visible spectrophotometer	Analytical Technologies	2010	Pharmaceutical Analysis	2,00,000	Identification of chemical compounds
Cooling Centrifuge	Remi Instruments Ltd	2010	Pharmaceutical Chemistry	2,00,000	To separate substances of greater and lesser density
Analgesiometer (Eddy's hot plate)	Alpha chemical	2010	Pharmacology	18,000	Screening of analgesic activity

6.3.1. Adequacy of labs to run all programme-specific practicals (15)  
*(Assessment based on the information provided in the above two tables and the verification thereof)*

Institution has well developed and fully equipped laboratories and advanced Research labs for U.G and P.G. (course for various branches) students.

The Institution has 12 laboratories namely Pharmaceutical Chemistry Laboratory I&II, Pharmaceutical Analysis Laboratory, Pharmaceutics Laboratory - I, II & III, Pharmacognosy Laboratory - I, Pharmacology Laboratory – I & II, Central instrumentation Room, Pharmaceutical Microbiology Laboratory –Aseptic area and Machine Room.

The department of Pharmaceutics has **Machine room** with a well-built area equipped with machines generally encountered in Pharmaceutical Industry like 16 station tablet press Machine, Capsule filling machine, Ball mill Dry granulator and Double cone blender.

The department of Pharmaceutical analysis has **Central Instrumentation** room well equipped with sophisticated instruments like Double beam UV-Spectrophotometer, HPLC, FTIR spectrophotometer, Potentiometer and conductometer etc.

**Museum:** The College has a well-established and maintained drug museum at two different places in the college. One museum is composed of preserved human organs, drugs and marketed formulations.

The other museum consists of different varieties of plants, animals, crude drugs and specimens.

Name of the laboratory	Facility provided	Subject	As a learning resource
Pharmaceutical Chemistry Lab - I	Rooms equipped with chemicals, glassware, tables, chairs, gas supply, water supply, precision balance, fuming chamber and distillation unit.	Pharmaceutical Organic Chemistry –I	1. Able to synthesis various organic compounds 2. Identify various organic compounds 3. Usage of stereo models
Pharmaceutical Chemistry Lab - I		Pharmaceutical Organic Chemistry – II	1. Able to perform quantitative determination of organic compounds and functional groups 2. Able to synthesis and prepare various organic compounds 3. Know the procedure and principle of systematic analysis of organic binary mixtures, Analysis of Fats & Oils
Pharmaceutical Chemistry Lab – I		Chemistry of Natural Drugs	1. Able to identify various natural drugs 2. Able to extract, prepare an test the natural drugs
Pharmaceutical Chemistry Lab – II	Rooms equipped with chemicals, glassware, tables, chairs, gas supply, water supply,	Pharmaceutical Biochemistry	1. Able to estimate various biochemical substances in urine and blood samples. 2. Able to prepare standard buffers

Pharmaceutical Chemistry Lab – II	precision balance, micro wave oven, centrifuge, fuming chamber and distillation unit.	Medicinal Chemistry – I	1. Able to synthesis some medicinal compounds and its analogues 2. Able to perform monograph analysis of medicinal compounds
Pharmaceutical Chemistry Lab – II		Medicinal Chemistry – II	1. Can estimate various medicinal compounds
Pharmaceutical Chemistry Lab – II		Medicinal Chemistry – III	1. Able to perform assay of some drugs and its formulations
Pharmaceutical Microbiology lab	Rooms equipped with chemicals, glassware, tables, chairs, glass board, gas supply, water supply and Instruments	Pharmaceutical Microbiology	1. Able to prepare various culture media 2. Able to perform various sterilization techniques 3. Can perform biochemical reactions 4. Can perform anti-microbial assay
Pharmaceutical Analysis Lab	Rooms equipped with chemicals, glassware, tables, chairs, glass board, gas supply, water supply and Instrument like potentiometer, polarimeter, flame photometer, Refractometer and precision balance.	Pharmaceutical Inorganic Chemistry	1. Able to perform limit test for various inorganic substances 2. Can perform assay and also able to estimate mixtures 3. Able to identify inorganic salts using various tests 4. Able to prepare some pharmaceutical products & Also able to test the purity of it.
Pharmaceutical Analysis – Lab		Pharmaceutical Analysis – II	1. Able to interpret various spectra 2. Able to analyze various pharmaceutical products using modern sophisticated instruments
Pharmaceutical Analysis Lab		Pharmaceutical Analysis – I	Room equipped with chemicals, glassware, tables, chairs, glass board, gas supply, water supply and Instrument like potentiometer, polarimeter, flame photometer, Refractometer and precision balance.
Pharmacognosy Lab	Room equipped with tables, glass wares, chairs, gas supply, water supply and instrument like muffle furnace, hot air oven, heating mantle, camera lucida, micrometer, microscope,	Pharmacognosy – I	1. Understand the principles of collection and preparations of herbarium, chemical tests for various herbal drugs 2. Able to perform macroscopy and microscopy examination of various plant products 3. Able to cultivate various medicinal plants.
Pharmacognosy Lab		Pharmacognosy – II	1. Able to perform quantitative microscopy

	centrifuge, soxhlet apparatus, microwave oven, columns for extraction, mixer, all plants and animal crude drugs.		<ol style="list-style-type: none"> <li>2. Determine the purity of various plants &amp; herbs</li> <li>3. Perform the chemical tests of various plants &amp; herbs</li> <li>4. Able to study the morphology, powder microscopy &amp; TS of various drugs</li> </ol>
Pharmacognosy Lab		Pharmacognosy – III	<ol style="list-style-type: none"> <li>1. Able to perform isolation, estimation, evaluation of crude drugs and Phyto pharmaceuticals</li> </ol>
Pharmaceutics Lab- I	Room equipped with chemicals, glassware, tables, chairs, glass board, gas supply, water supply, precision balance and instruments like distillation unit, disintegration test apparatus, etc.	Physical Pharmacy – II	<ol style="list-style-type: none"> <li>1. Able to determine the physical properties of various pharmaceutical products</li> <li>2. Understand various principle behind the testing of various pharmaceutical products</li> </ol>
Pharmaceutics Lab – I		Pharmaceutical Technology –II	<ol style="list-style-type: none"> <li>1. Able to manufacture various dosage forms</li> <li>2. Can evaluate various dosage forms</li> </ol>
Pharmaceutics Lab – I		Novel Drug Delivery Systems and Regulatory Affairs	<ol style="list-style-type: none"> <li>1. Able to perform analytical method validation</li> <li>2. Able to prepare and evaluate various novel drug delivery system</li> <li>3. Able to prepare product development and filing of various regulatory agencies like FDA, MCC, EMEA, TGA etc</li> </ol>
Pharmaceutics Lab – II		Dispensing and Hospital Pharmacy	<ol style="list-style-type: none"> <li>1. Able to prepare Pharmaceutical products such as Syrup, Elixir, Linctus, Solutions, Liniments, Suspensions, Emulsions, Powders</li> <li>2. Able to dispense the prepared formulation in suitable container with necessary lable</li> </ol>
Pharmaceutics Lab – II		Pharmaceutical Engineering –II	<ol style="list-style-type: none"> <li>1. Able to various experiments to illustrate physical properties of pharmaceutical substances</li> <li>2. Able to analyze pharmaceutical packaging materials</li> </ol>
Pharmaceutics Lab – II		Physical Pharmacy – I	<ol style="list-style-type: none"> <li>1. Able to perform percent composition, molecular weight, Calibration of pH meter using standard buffers, pKa estimation, Refractive Index of pharmaceutical products by various methods</li> </ol>

Pharmaceutics Lab – II		Pharmaceutical Technology – I	<ol style="list-style-type: none"> <li>1. Able to prepare, evaluate and pack various dosage forms</li> <li>2. Can formulate various types of cosmetics</li> </ol>
Pharmaceutics Lab – III	Room equipped with chemicals, glassware, tables, chairs, glass board, gas supply, water supply, precision balance and Rotary flash evaporator, distillation unit.	Biopharmaceutics and Pharmacokinetics	<ol style="list-style-type: none"> <li>1. Able to perform analysis of biological specification for drug content and estimation of pharmacokinetic parameters.</li> <li>2. Able to perform statistical treatment of Pharmaceutical data</li> </ol>
Pharmaceutics Lab – III		Pharmaceutical Biotechnology	<ol style="list-style-type: none"> <li>1. Able to isolate antibiotic producing microbe from soil</li> <li>2. Able to perform various biotechnological process like Enzyme immobilization</li> <li>3. Able to perform Collection, Processing, Storage and fractionation of blood</li> <li>4. Able to perform various modern separation techniques</li> </ol>
Pharmacology Lab I	Room equipped with tables, glass wares, chairs, gas supply, water supply and instrument like digital spirometer, analgisiometer, convulsiometer, levers, rota-rod apparatus, X-mage, Y-mage, climbing pole apparatus.	Pharmacology– II	<ol style="list-style-type: none"> <li>1. Perform experiments on intact preparations of animals</li> <li>2. Perform experiments in CNS</li> <li>3. Perform experiments in Isolated preparations</li> <li>4. Able to prepare different solutions for pharmacological Experiments</li> </ol>
Pharmacology Lab I		Pharmacology– III	<ol style="list-style-type: none"> <li>1. Able to perform simulated experiments</li> <li>2. Able to perform various pharmacological experiments on Animals</li> </ol>
Pharmacology – II	Room equipped with tables, glass wares, chairs, gas supply, water supply, skeleton, model of bones, microscope, Hb apparatus, BP apparatus, glucometer and newborn chamber for RBC, WBC count.	Anatomy, Physiology and Health Education Lab	<ol style="list-style-type: none"> <li>1. Understand the basic of human body such as various types of tissues and systems of our body</li> <li>2. Able to determine the blood count, hemoglobin, bleeding time, clotting time, blood pressure, blood group etc</li> <li>3. Able to perform pregnancy diagnosis tests</li> <li>4. Understand various family planning appliances, appliances used in experimental pharmacology</li> </ol>
Pharmacology – II		Anatomy, Physiology and	<ol style="list-style-type: none"> <li>1. Understand the various systems of human body with the help of</li> </ol>

		Pathophysiology Lab	charts and models & able to identify various systems and its parts. 2. Able to differentiate abnormal tissues from normal tissues and hence able to identify various disease conditions 3. Able to perform simple experiments involved in analysis of normal and abnormal urine
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6.3.2. Availability of computing facilities exclusively for the programme (15)  
(Assessment based on the information provided in the above two tables and the verification thereof)

The college has well equipped infrastructure in terms of hardware and software facilities to use ICT (Information and communication technology) solutions in pharmacy. The details of IT infrastructure are given as under:

Table-Details of IT Infrastructure

S.No.	Specification	Number
1	HCL	24
2	ACER	10
3	LENOVA	44
4	IBM	25
5	Frontech	12
6	Laptop	06
7	Projector	08
8	Software	16
9	Printers	06
10	Scanners	03
11	DVD & Writers	20
12	UPS & Stabilizers	4

#### Details of CPU Specification

S.No.	Type	Processor	RAM	Mother board
1	HCL	Intel, Pentium(R),D,CPU2.60GHZ	512MB	Intel graphic
2	ACER	Intel, Core I3,3240-3 <sup>rd</sup> Generation	4GB	Intel graphic
3	LENOVA	Intel. Dual Core 2,Duo,13	1GB,4GB	Intel graphic
4	FONTECH	Intel Pentium(R),4	128MB	P4

Number of systems with individual configurations: 115 with Windows XP configuration and above.

Computer-student ratio: The computers are utilized by the student in 1:6 ratio

Dedicated computing facilities: Yes

Standalone computing facility: 30

#### LAN facility

Yes. 60 computers LAN connected, 2mbps, BSNL Broadband connection.

Wi-Fi facility: Yes.

Proprietary software: Yes.

Number of nodes/ computers with internet facility: 60

Internet provider:

EMTICI Engineering limited, BSNL (5 mbps)

BSNL, Division, (512 kbps/connection; 20 connections)

**Basic Software**

Window XP SP3 + Windows 7

Microsoft Office 2007

Quick Heal Total Security Antivirus

**Data processing Software**

SOUL 2.0

Tally 9.0

Student Software

**Basic Software**

Window XP SP3 + Windows 7

Microsoft Office 2007

Quick Heal Total Security Antivirus

**Software for Instruments**

IR Solution, v1.20 (FTIR)

Pixel Pro for Micro Scope

Laboratory Solution for HPLC (LC 1.25)

Wincats, Linomat-5 (HPTLC)

Spectrofluorophotometer (RFPC 5301)

Spectrophotometer UV probe 2.34

Spray Dryer LU-222

BIO-PACK (ECG)

Viscometer Brookfield

**Pharmacy Software**

DDSolver

Chemometrics, v1.3.8

Tally 9.0

Student Software

PLAGTRAK-Checker

6.3.3. Availability of the labs with technical support beyond working hours (10)

*(Assessment based on the information provided in the above two tables and the verification thereof)*

- The institution has been offering consultancy services for academia and industry by rendering support in formulation and development of dosage forms or drug delivery systems, novel synthesis, molecular docking, pharmacological activities etc. which was done in research labs.
- The institute encourages the consultancy in related areas to develop research culture in Institute and lifelong learning skills among students /faculty.
- Individuals or Departments may take up the Consultancy work with prior approval from the research director (R&D) through Head of the concerned Department and carried out in respective labs. The reports of Consultancy Projects duly signed by the HOD are maintained

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in the department for record. The fee towards consultancy works are collected in the college account and details are maintained and verified in the accounts section.

6.3.4. Name and number of equipment and their maintenance, number of students per experimental set up, size of the laboratories, overall ambience etc. (10)  
(Assessment based on the information provided in the above two tables and the verification thereof)

The following instruments were purchased during the last four years.

Generic Name of Equipment	Model & Make	Year of Purchase	Department	Price (Rs.)	Remarks including accessories available and current usage of equipment
Zeta Sizer	Malvern UK	2014	Pharmaceutics	35,00,000	To determine the particle size and zeta potential of the nanoparticles
All Mazes Video Tracking software for CNS Activities	Orchid Scientifics	2014	Pharmacology	2,72,000	Screening the CNS and motor activities of drugs on rats and mice
Y Maze, Water Maze, Elevated plus Maze for Rat	Orchid Scientifics	2014	Pharmacology	2,00,000	Screening the CNS and motor activities of drugs on rats and mice
Rota Rod	Orchid Scientifics	2014	Pharmacology	1,57,000	Screening the muscle and motor activities of drugs on rats and mice
Digital Electro Convulsimeter	Orchid Scientifics	2014	Pharmacology	21,000	Screening the anti convulsant activities of drugs on rats and mice
Semi Automatic Chemistry Analyser	Buchi	2014	Pharmacology	1,97,000	Estimation of biological, renal and haematological parameters
Stability Chambers	Thermolab	2014	Pharmaceutics	5,50,000	To study the stability of the drug formulations
16-Station Single Rotary Tablet Compression Machine	Karnavathi Engineering Ltd	2013	Pharmaceutics	2,70,000	To compress the formulation into tablet dosage form
FTIR	Bruker alpha – T	2012	Pharmaceutical analysis	9,76,500	Structural elucidation of chemical compounds, Compatibility studies
High Speed Homogenizer	CAT Unidrive X1000&X10	2012	Pharmaceutics	1,35,000	For uniform dispersion



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Probe Sonicator	CAT Q125 Sonicator	2012	Pharmaceutics	2,40,000	Particle size reduction
Rotary Flash Evaporator	Buchi Rotavapor R-3V Condenser	2012	Pharmaceutics	3,50,000	Evaporation of volatile compounds
Dissolution test apparatus	Lab India DS-8000 (6+2) SC/TR	2012	Pharmaceutics	3,41,294	Drug release studies for solid dosage form
HPLC	Analytical Technologies	2011	Pharmaceutical Analysis	4,95,500	Isolating natural products and predicting physical properties
Metabolic cage	Techniplast	2011	Pharmacology	18,000	Metabolic monitoring of rats
Digital Actophotometer	Bluefic Industrial and Scientific Technologies	2011	Pharmacology	70,000	Screening of locomotor activity
UV/Visible spectrophotometer	Analytical Technologies	2010	Pharmaceutical Analysis	2,00,000	Identification of chemical compounds
Cooling Centrifuge	Remi Instruments Ltd	2010	Pharmaceutical Chemistry	2,00,000	To separate substances of greater and lesser density
Analgesiometer (Eddy's hot plate)	Alpha chemical	2010	Pharmacology	18,000	Screening of analgesic activity

**LIST OF EQUIPMENTS IN MACHINE ROOM**

S.No	Name of the Equipment	Make & Model	SOP	Log Book
1	16-Station Single Rotary Tablet Compression Machine	Karnavathi Engineering Ltd	Available	Available
2	Stability chamber	Thermolab	Available	Available
3	Friability tester	Lab India	Available	Available
4	Disintegrator	Lab India	Available	Available
5	Dissolution Apparatus	Lab India/ DS 8000	Available	Available
6	Collapsible Tube Filling Machine	-	Available	Available
7	Planetary mixwe	Karnavathi Engineering Ltd	Available	Available
8	Double Cone blender	Karnavathi Engineering Ltd	Available	Available
9	Capsule Filling machine	-	Available	Available
10	Tapped density apparatus	Lab India	Available	Available

**LIST OF INSTRUMENT IN INSTRUMENTATION ROOM**

S.No	Name of the Instrument	Make & Model	SOP	Log Book
1	Single beam UV Vis Spectrophotometer	Analytical Technology	Available	Available
2	Photofluorimeter	-	Available	Available
3	Nepheloturbidimeter	-	Available	Available
4	Flame Photometer	-	Available	Available
5	Zeta Sizer	Horiba	Available	Available
6	Conductivity meter	-	Available	Available
7	Potentiometer	-	Available	Available
8	High Performance Liquid Chromatograph	Analytical Technology	Available	Available

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## Number of students per experimental set up, size of the laboratories, overall ambience etc.

S.No.	Lab Description	Space / Student Ratio	Availability of Manuals	Quality of Instruments	Remarks
1	Machine Lab	78 sq.m 30 students per batch	Available	Working condition	Equipped with Tablet Punching machine, Disintegrator, dissolution and coating pan apparatus
2	Instrument Lab	68 sq.m 30 students per batch	Available	Working condition	Equipped with UV-Vis Spectrophotometer, Fluorimeter, Flame Photometer and HPLC
3	Room No: Pharmaceutics Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with viscometer, friability tester etc
4	Room No. Pharmaceutics Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with disintegrator and dissolution apparatus
5	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with water bath, reflux condensers
6	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with fuming hood and chemicals
7	Room No. Pharmacognosy Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with Microscopes, crude drugs and charts
8	Room No. Pharmacology Lab	104.5 sq.m 30 students per batch	Available	Working condition	Equipped with
9	Room No. Anatomy and Physiology Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with Models and charts
10	Room No. Pharmaceutical Microbiology Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with autoclave and laminar air flow unit

11	Room No. Pharmaceutical Chemistry Lab	97.60 sq.m 30 students per batch	Available	Working condition	Equipped with glass wares and chemicals
12	Computer Lab	60 sq.m 15 students per batch	-	Working condition	Computers with high speed internet

#### 6.4. Animal House & related facilities [20]

##### 6.4.1. Dimensions of Animal house: - (04)

The area of our animal house is 105 square metre.

##### 6.4.2. Sterilisation facility for feed, cages etc.: - (02)

- Water of at least 82.2C (180F) or appropriated chemicals agents (e.g. hyperchlorite) to destroy pathogenic organisms have been used for sterilizing.
- Water bottles, sipper tubes, stoppers, and other watering equipment have been washed and then sanitized by rinsing with water of at least 82.2C (180F) or appropriated chemicals agents (e.g. hyperchlorite) to destroy pathogenic organisms, and provision Cages have been disinfected by rinsing at a temperature of 82.2 C (180 F) or higher for a period long enough to ensure the destruction of vegetative pathogenic organisms.
- Cages of Rabbits, guinea pigs and hamsters have been treated with acid solutions before washing.
- Periodic microbiologic monitoring is done to determine the efficacy of disinfection or sterilization procedures.
- An autoclave is available and is being used when pathogenic organisms are present.
- Deodorizers or chemical agents other than germicidal have not been used to mask animal odors.

##### 6.4.3. Washing facilities and sanitation conditions: - (02)

- Animal rooms, corridors, storage spaces, and other areas have been cleaned with appropriate detergents and disinfectants as often as necessary to keep them free of dirt, debris, and harmful contamination.
- Old water bottles have been replaced with new bottles each time of feeding water on the feeding cage
- A two – compartment sink is available for dipping or soaking the water bottles in detergents and disinfectant solutions.
- Racks, and accessory equipments, such as feeders and watering devices, have been washed and sanitized frequently to keep them clean and contamination free.
- Accessories – washed and cleaned twice a week .
- Cages, Racks–Washed and cleaned at least monthly.

**Assessing the effectiveness of sanitation: -**

- Monitoring of sanitation practices have been done to the process and materials being cleaned; it includes visual inspection of the materials, monitoring of water temperatures, or microbiologic monitoring.

6.4.4. **Disposal of animals after experimentation as per norms:** - (04)

- Wastes have been removed regularly and frequently.
- All waste have been collected and disposed of using incineration. Incinerators used were in compliance with all central, state, and local regulations.
- Animal waste has been removed by hosting or flushing at least twice a day.
- Waste cans containing animal tissues, carcasses, and hazardous wastes were lined with leak – proof, disposable liners.
- The waste storage area is separated from other storage facilities and free of flies, cockroaches, rodents, and other vermin.

6.4.5. **Air conditioning /handling/circulation/facilities:** - (04)

**Temperature and humidity control**

- All the rooms of animal house are air-conditioned.
- The temperature of  $25^{\circ}\pm 2^{\circ}\text{C}$  is provided throughout the year.
- Capability is provided to allow variations within the range of approximately 18 to  $29^{\circ}\text{C}$  (64.4 to  $84.2^{\circ}\text{F}$ ), which includes the temperature ranges usually recommended for common laboratory animals.
- The relative humidity of 45 - 55% is provided throughout the year.
- The relative humidity is controllable within the range of 30% to 70% throughout the year.
- For larger animals a comfortable zone (18 to  $37^{\circ}\text{C}$ ) is be maintained during extreme summer by appropriate methods for cooling.

**Power and lighting**

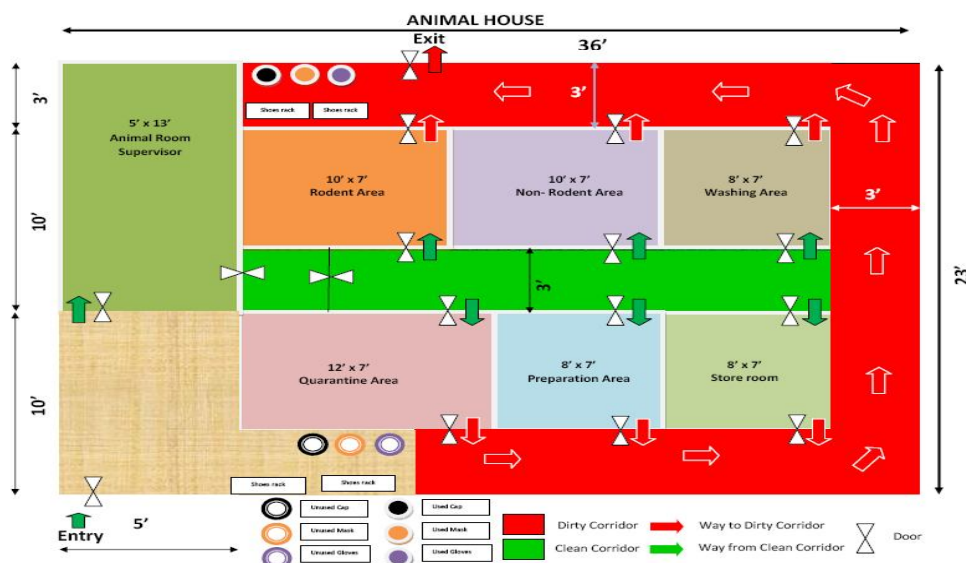
- A time-controlled lighting system is used to ensure a regular diurnal lighting cycle (12:12) wherever required. 12 hours in light and 12 hours in dark
- Fluorescent tube lights are used with the intensity of 350-400 lux 1 meter above the floor level.
- Emergency power is available in the event of power failure.

**Noise control**

- The rooms in the animal house are made with the concrete walls to provide the noise free environment.

6.4.6. **Registration of Institutional Animal Ethics Committee:** - (04)

- Our Institutional Animal Ethical Committee have got registered in the CPCSEA.
- The registration number is **1844/PO/Re/S/15/ CPCSEA.**



**List of IAEC Members**

Sl.No.	Members	Name & Address
1	<b>Chairman &amp; Scientist from different biological discipline</b>	<b>Dr. K. Bhaskar Reddy, M.Pharm., Ph.D.</b> Principal, Sri Venkateswara College of Pharmacy, RVS Nagar, Tirupati Road, Chittoor, Andhra Pradesh – 517127, INDIA. Fax: +91-8572-245794 E.mail: svcpprincipal@yahoo.com/principal@svcop.in Mob: +91-9581993335,9176688999
2	<b>Biological Scientist</b>	<b>Dr. S. Hemalatha, M.Pharm., Ph.D.</b> Professor, Dept. of Pharmacognosy, Sri Venkateswara College of Pharmacy, RVS Nagar, Tirupati Road, Chittoor, Andhra Pradesh – 517127, INDIA. Mob:+91-7200345257
3	<b>Scientist from different biological discipline</b>	<b>Dr. V. Gunasekaran, M.Pharm., Ph.D.</b> Professor, Dept. of Pharmaceutical chemistry Sri Venkateswara College of Pharmacy, RVS Nagar, Tirupati Road, Chittoor, Andhra Pradesh – 517127, INDIA. Mob: +91-8977839986
4	<b>Scientist I/C of Animal House Facility</b>	<b>Dr. A. Saravanakumar, M.Pharm., Ph.D.</b> Associate Professor, Dept. of Pharmacology Sri Venkateswara College of Pharmacy, RVS Nagar, Tirupati Road, Chittoor, Andhra Pradesh – 517127, INDIA. Mob:+91-9959203901
5	<b>Veterinarian</b>	<b>Dr. C.Subbaiah</b> Dept. of Pharmacology Sri Venkateswara College of Pharmacy, RVS Nagar, Tirupati Road, Chittoor, Andhra Pradesh – 517127, INDIA. Mob: +91-9963190836

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CPCSEA hereby nominates the following members to the Institutional Animal Ethics Committee (IAEC) of your establishment:

Sl.no	Name & Address	Nominated as
1	<b>Dr. V.H.Rao</b> <b>Professor &amp; University Head</b> Department of Physiology, College of Veterinary Science, Tirupati , Andhra Pradesh – 517 502, INDIA. Mobile: 09440274528 E.mail: raovelichetty@rediffmail.com	<b>Main Nominee</b>
2	Sh.B.madhavulu Associate Professor, dept. of Pharmacology, Narayana medical College & Hospital, Nellore-524 003. Andhrapradesh Mobile: 09440731718, E.mail:madhavulu@gmail.com	<b>Link Nominee</b>
3	Dr.N.V.Sreekanth babu Founder & Hon. Chairman, Animal Care Land, 13-6-600-44-39,P.K.Layout Tirupati-517 501,Andhra Pradesh Mobile: 09440731718, E.mail:animalcareland@rediffmail.com	<b>Scientist from outside the Institute</b>
4	Sh.G.Manjunath International Animal & Birds, Welfare Society, Gutturu-515 164, Anantapur (Dt), Andhra Pradesh Mobile: 0944566121, E.mail:paabws@yahoo.com	<b>Socially Aware Nominee</b>

**6.5. Museum [10]**

6.5.1. Size of the museum (04)

The museum was placed in the first floor with the size of 10X 4 sq feet in which various Drugs, Cosmetics, Herbals etc are displayed. Equipped with first aid kits, tablets, capsules, lotion, creams, plant herbarium, flow charts of different physiology systems.

6.5.2. Type & quality of collection in the museum (06)

Sl. no	Name of the product	Description
1	<b>NATURAL DRUGS</b> a) Cinnamon b) Clove c) Balsam of tolu d) Nux-vamoica e) Cardmom f) Amla g) Fennel h) Vasaka i) Isabgol j) Kurchi bark k) Rhubarb l) Aswagandha m) Senna n) Rauwolfia o) Cumin p) Ginger q) Psoralea r) Solanum khasianum s) Coriander t) Benzoin u) Asfoetida v) Terminalia chebula w) Arjuna bark x) Turmeric y) Asparagus z) Gambir	Natural drugs are the treasure for pharmaceutical formulation and they are used to evaluate the pharmacognostical, Phytochemical and pharmacological activities.
2	<b>Anatomical Specimen</b> a. Brain b. Kidney c. Heart d. Human reproductive system	They are usefull to understand the Shape, Structure and orientation of different body organs, especially useful as a study design in Anatomy and Physiology lab.



	male and female	
	e. Human tongue	
	f. Ear	
	g. Teeth with lower jaw	
	h. Eye	
3.	Dosage form	Useful for study about the marketed available formulation in different dosage form, different routes of administration and different packing materials used for packing of different dosage form.
	a. Candio	
	b. Sendex	
	c. Water for injection	
	d. Sporidex	
	e. Piriton	
	f. Kid care	
	g. Cremaffin	
	h. Mucaine	
	i. Redfol	
4.	Cosmetics	To know the availability of different cosmetics in market and their use.
	a. Jasmine spray	
	b. Lakme	

### 6.6. Medicinal Plant Garden [10]

#### 6.6.1. Size/area of the garden (03)

The size of the medicinal plant garden was **50 X 54 sq** feet in which various medicinal plants are maintained. It also serves as a seed repository for rare medicinal plants.

Types, varieties and number of plants available in the garden (05)

Sl no	Name of the plant	No.of plants	Variety
1	Amla	4	Fruit
2	Aswagandha	2	Root leaves
3	Neem	2	Leaf,seed,root
4	Thulasi	10	Leaves seed
5	Senna	2	Dry tubers
6	Vasaka	2	Leaf
7	Henna	1	Leafs, flowers, seed
8	Kantakari	1	Whole plant
9	Aloevera	10	leaves
10	Eucalyptus	2	leaves

6.6.2. Overall look and maintenance of the medicinal plant garden (02)

What is the total area of the garden (in square feet)? **50 X 54 sq**

Is the boundary of the garden properly demarcated? **Yes**

Does the overall look of the garden give an impression of a temporary or a permanent arrangement? **Permanent**

Are the plants planted by adopting some system like herbs, shrubs, trees, xerophytes, plants growing under shade, perennial plants etc. in demarcated areas? **Yes**

Is the number of plants sufficient as per the allotted area? **Yes**

Is the plant density proper? **Yes**

6.7. *Administrative & Technical Manpower support and their skill up gradation [20]*

<b>Administrative Staff:</b>			
<b>Designation</b>	<b>Name of the staff</b>	<b>Date of joining</b>	<b>Qualification</b>
(Pay scale)			
Office Clerk(s)	C.V. Nagalakshmi	2/11/2007	B.Com.
Accountant/Cashier .1	S. Madhusudan Reddy	2/10/2007	B.Com.
Accountant/Cashier .2	Sumathy	1/5/2013	B.Com.
Any other Librarian	J.K. Indrasena Rao.	2/6/2008	MA., M.LI.SC., M.Phil.

<b>Technical Staff:</b>							
<b>Designation (pay scale)</b>	<b>Name of the Tech. Staff</b>	<b>Assigned Lab</b>	<b>Date of Joining</b>	<b>Qualification</b>		<b>Other Technical Skills Gained?</b>	<b>Duties &amp; Responsibilities</b>
				<b>At Joining</b>	<b>Current Status</b>		
Sr. Tech. Assistant(s)	P.Rani	Computer	1/6/2008	DCA	DCA	-----	Maintance of computer lab
Technical Assistant(s)	Nagaraju Naik	Computer	5/12/2013	B.Tech.	B.Tech.	-----	Maintance of computer lab
Lab. Assistant(s)	A. Neelavathi	Pharmaceutics	2/1/2012	B.Sc., DMLT	B.Sc., DMLT	-----	Maintance of Pharmaceutics lab

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Lab. Attendant(s)	T. Vasu	Pharmacology	2/12/2012	DMLT	DMLT	-----	Maintenance of Pharmacology lab
Lab. Attendant	J. Vikaram	Pharma Practice	4/11/2008	DMLT	DMLT	-----	Maintenance of Pharma Practice lab
Lab. Attendant	D. Rakesh	Pharmacognosy	1/12/2012	B. Pharm.	B. Pharm.	-----	Maintenance of Pharmacognosy lab
Lab. Attendant	T.K. Kanchana	Chemistry & Analysis	1/6/2008	D.Pharm.	D.Pharm.	-----	Maintenance of Chemistry & Analysis lab
Electrician/	Nagoor Basha.G						Maintenance of Electrical works.
Mechanic/ Glass blower	Narayana	All Labs	2/10/2007	B.Sc.	B.Sc.	-----	Maintenance of Mechines

### Technical Staff 2011-12

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	J.K. Indrasena rao	Librarian	1-6-2008	Till date
2	S. Rajasekhar	Lecturer	1-7-2009	31- 8- 2011
3	D. Vamsi Krishna	Lecturer	18 – 2 - 2011	30 – 8 -2011

### Non – Technical Staff

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	T. K. Kanchana	Store Incharge	1 – 6 – 2008	Till date
2	P. Rani	Lab Assistant	1 – 6 – 2008	Till date
3	G. Nagoor Basha	Lab Assistant	1 – 11- 2007	Till date
4	K. Yadhavathi	Lab Assistant	4 – 11- 2008	12- 8- 2011

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5	J. Vikram	Lab Assistant	1 – 11- 2008	Till date
6	C. V. Nagalakshmi	Junior Assistant	2 - 10- 2007	30 – 4 -2013
7	T.Vinod kumar	Computer Operator	1 -1 – 2010	Till date
8	K .Suguna	Sweeper	1-2– 2010	Till date
9	P. Navaneethamma	Sweeper	1 -2 -2010	Till date
10	K. Venkateshulu	Attainder	1 -2- 2010	Till date
11	P. Subramanyam	Security	1 -2- 2010	31- 8- 2011
12	M. Subramanyam	Security	1 -2- 2010	31- 8- 2011
13	N. Payani	Lab Assistant	1 – 8- 2010	31 – 12- 2012
14	G. Hemalatha	Lab Assistant	1 – 2 – 2011	31 – 1- 2013
15	R. LokeshKumar	Senior Assistant	2 – 8- 2010	30 – 4- 2013
16	K. Sreenivasulu	Office Assistant	1 – 7 -2010	Till date
17	P. Chinnaswamy	Scavenger	1 – 7- 2010	31 – 10 – 2011
18	C. Kumar	Security	1-9-2011	31-5-2012
19	A.Vykuntam	Security	1- 9-2011	Till date
20	N.Chinnabba	Scavenger	1- 11-2011	Till date
21	A.Neelavathi	Lab Assistant	2-1-2012	Till date
22	M.Kanthamma	Sweeper	1-11-2011	Till date
23	E.Venkatesh	Security	1 -6-2012	Till date

### Technical Staff      2012-13

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	J.K. Indrasena rao	Librarian	1-6-2008	Till date
2	D.Royal RakeshRaju	Lecturer	1-12-2012	Till date
3	K. Varun Kumar	Lecturer	10 -1- 2013	30 -3-2013
4	D.Abhilash	Lecturer	1 -2 -2013	Till date

**Non – Technical Staff**

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	T. K. Kanchana	Store Incharge	1 -6 - 2008	Till date
2	P. Rani	Lab Assistant	1 - 6 - 2008	Till date
3	G. Nagoor Basha	Lab Assistant	1 - 11- 2007	Till date
4	J. Vikram	Lab Assistant	1 - 11- 2008	Till date
5	C. V. Nagalakshmi	Junior Assistant	2 - 10- 2007	30 - 4 -2013
6	T.Vinod kumar	Computer Operator	1 -1 - 2010	Till date
7	K .Suguna	Sweeper	1-2- 2010	Till date
8	P. Navaneethamma	Sweeper	1 -2 -2010	Till date
9	K. Venkateshulu	Attainder	1 -2- 2010	Till date
10	N. Payani	Lab Assistant	1 - 8- 2010	31 - 12- 2012
11	G. Hemalatha	Lab Assistant	1 - 2 - 2011	31 - 1- 2013
12	R. LokeshKumar	Senior Assistant	2 - 8- 2010	30 - 4- 2013
13	K. Sreenivasulu	Office Assistant	1 - 7 -2010	Till date
14	A.Vykuntam	Security	1- 9-2011	Till date
15	N.Chinnabba	Scavenger	1- 11-2011	Till date
16	A.Neelavathi	Lab Assistant	2-1-2012	Till date
17	M. Kanthamma	Sweeper	1-11-2011	Till date
18	K. Naresh	Office Assistant	1-8-2012	Till date
19	C.Sampoornamma	Sweeper	1-8-2012	Till date
20	E.Venkatesh	Security	1-6-2012	Till date
21	T.Vasu	Lab Technician	3-12-2012	Till date
22	V.Ravi	Lab attainder	1-1-2013	Till date

**Technical Staff 2013-14**

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	J.K. Indrasena rao	Librarian	1-6-2008	Till date
2	D.Royal RakeshRaju	Lecturer	1-12-2012	Till date
3	K. Varun Kumar	Lecturer	10 -1- 2013	30 -3-2013
4	D.Abhilash	Lecturer	1 -2 -2013	Till date

**Non – Technical Staff**

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	T. K. Kanchana	Store Incharge	1 –6 – 2008	Till date
2	P. Rani	Lab Assistant	1 – 6 – 2008	Till date
3	G. Nagoor Basha	Lab Assistant	1 – 11- 2007	Till date
4	J. Vikram	Lab Assistant	1 – 11- 2008	Till date
5	C. V. Nagalakshmi	Junior Assistant	2 - 10- 2007	30 – 4 -2013
6	T.Vinod kumar	Computer Operator	1 -1 – 2010	Till date
7	K .Suguna	Sweeper	1-2– 2010	Till date
8	P. Navaneethamma	Sweeper	1 -2 -2010	Till date
9	K. Venkateshulu	Attainder	1 -2- 2010	Till date
10	N. Payani	Lab Assistant	1 – 8- 2010	31 – 12- 2012
11	G. Hemalatha	Lab Assistant	1 – 2 – 2011	31 – 1- 2013
12	R. LokeshKumar	Senior Assistant	2 – 8- 2010	30 – 4- 2013
13	K. Sreenivasulu	Office Assistant	1 – 7 -2010	Till date
14	A.Vykuntam	Security	1- 9-2011	Till date
15	N.Chinnabba	Scavenger	1- 11-2011	Till date
16	A.Neelavathi	Lab Assistant	2-1-2012	Till date
17	M. Kanthamma	Sweeper	1-11-2011	Till date
18	K. Naresh	Office Assistant	1-8-2012	Till date
19	C.Sampoornamma	Sweeper	1-8-2012	Till date

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20	E.Venkatesh	Security	1-6-2012	Till date
21	T.Vasu	Lab Technician	3-12-2012	Till date
22	V.Ravi	Lab attainer	1-1-2013	Till date

### Technical Staff 2014-15

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	J.K. Indrasena rao	Librarian	1-6-2008	Till date
2	D Royal Rakesh Raju	Lecturer	1-12-2012	Till date
3	M Ramu Naik	Lecturer	05/06/2014	Till date
4	B Naveen	Lecturer	05/06/2014	Till date

### Non – Technical Staff

S.No.	Name of the staff	Designation	Joining Date	Relieving date
1	T. K. Kanchana	Store Incharge	1 –6 – 2008	Till date
2	P. Rani	Lab Assistant	1 – 6 – 2008	Till date
3	G. Nagoor Basha	Lab Assistant	1 – 11- 2007	Till date
4	J. Vikram	Lab Assistant	1 – 11- 2008	Till date
5	C. V. Nagalakshmi	Junior Assistant	2 - 10- 2007	30 – 4 -2013
6	T.Vinod kumar	Computer Operator	1 -1 – 2010	Till date
7	K .Suguna	Sweeper	1-2– 2010	Till date
8	P. Navaneethamma	Sweeper	1 -2 -2010	Till date
9	K. Venkateshulu	Attainer	1 -2- 2010	Till date
10	N. Payani	Lab Assistant	1 – 8- 2010	31 – 12- 2012
11	G. Hemalatha	Lab Assistant	1 – 2 – 2011	31 – 1- 2013
12	R. LokeshKumar	Senior Assistant	2 – 8- 2010	30 – 4- 2013
13	K. Sreenivasulu	Office Assistant	1 – 7 -2010	Till date
14	A.Vykuntam	Security	1- 9-2011	Till date
15	N.Chinnabba	Scavenger	1- 11-2011	Till date

16	A.Neelavathi	Lab Assistant	2-1-2012	Till date
17	M. Kanthamma	Sweeper	1-11-2011	Till date
18	K. Naresh	Office Assistant	1-8-2012	Till date
19	C.Sampoornamma	Sweeper	1-8-2012	Till date
20	E.Venkatesh	Security	1-6-2012	Till date
21	T.Vasu	Lab Technician	3-12-2012	Till date
22	V.Ravi	Lab attander	1-1-2013	Till date
23	Ms. M. Renuka	Lab attander	27/01/2014	Till date

6.7.1. Availability of adequate and qualified administrative staff for running the office (04)  
(Assessment based on the information provided in the above table and the verification thereof)

<b>Administrative Staff:</b>			
<b>Designation (Pay scale)</b>	<b>Name of the staff</b>	<b>Date of joining</b>	<b>Qualification</b>
Office Clerk(s)	C.V. Nagalakshmi	2/11/2007	B.Com.
Accountant/Cashier .1	S. Madhusudan Reddy	2/10/2007	B.Com.
Accountant/Cashier .2	Sumathy	1/5/2013	B.Com.
Any other Librarian	J.K. Indrasena Rao.	2/6/2008	MA., M.LI.SC., M.Phil.

6.7.2. Availability of adequate and qualified technical supporting staff for programme specific labs (04)  
(Assessment based on the information provided in the above table and the verification thereof)

- Sufficient technical staff is available to run the course laboratories.
- Each course specific lab has a qualified supporting staff to guide the students.

<b>S.No.</b>	<b>Name of the staff</b>	<b>Designation</b>	<b>Joining Date</b>	<b>Relieving date</b>
1	T. K. Kanchana	Store Incharge	1 -6 - 2008	Till date
2	P. Rani	Lab Assistant	1 - 6 - 2008	Till date
3	G. Nagoor Basha	Lab Assistant	1 - 11- 2007	Till date
4	J. Vikram	Lab Assistant	1 - 11- 2008	Till date
5	C. V. Nagalakshmi	Junior Assistant	2 - 10- 2007	30 - 4 -2013
6	T.Vinod kumar	Computer Operator	1 -1 - 2010	Till date
7	K .Suguna	Sweeper	1-2- 2010	Till date
8	P. Navaneethamma	Sweeper	1 -2 -2010	Till date



9	K. Venkateshulu	Attainder	1 -2- 2010	Till date
10	N. Payani	Lab Assistant	1 – 8- 2010	31 – 12- 2012
11	G. Hemalatha	Lab Assistant	1 – 2 – 2011	31 – 1- 2013
12	R. LokeshKumar	Senior Assistant	2 – 8- 2010	30 – 4- 2013
13	K. Sreenivasulu	Office Assistant	1 – 7 -2010	Till date
14	A.Vykuntam	Security	1- 9-2011	Till date
15	N.Chinnabba	Scavenger	1- 11-2011	Till date
16	A.Neelavathi	Lab Assistant	2-1-2012	Till date
17	M. Kanthamma	Sweeper	1-11-2011	Till date
18	K. Naresh	Office Assistant	1-8-2012	Till date
19	C.Sampoornamma	Sweeper	1-8-2012	Till date
20	E.Venkatesh	Security	1-6-2012	Till date
21	T.Vasu	Lab Technician	3-12-2012	Till date
22	V.Ravi	Lab attander	1-1-2013	Till date
23	Ms. M. Renuka	Lab attander	27/01/2014	Till date

### 6.7.3. Incentives & skill up-gradation (04)

Sent to training outside the institution for professional advancement (Give details) Sent to training outside the institution for safety measurements (Give details)

Papers Presented by Faculty

S.No.	Name of the Faculty	Title of the Paper	Name, Dates & Place of Event
1.	Dr. K. Bhaskar Reddy	Seminar attended	Indian Pharmaceutical Association Students Congress – 5, April 26 & 27, 2013 at JSS College of Pharmacy, Ooty. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
2.	Dr. R.Meenakshi Sundaram	Seminar attended	Indian Pharmaceutical Association Students Congress – 5, April 26 & 27, 2013 at JSS College of Pharmacy, Ooty. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
3.	Dr.S.Hemalatha	Seminar attended	64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.

4.	Dr. I. Sowkar Baig	Seminar attended	64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
5.	Ms.E.Mohanambal	Seminar attended	64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
6.	Mr.S.Brito Raj	Seminar attended	Indian Pharmaceutical Association Students Congress – 5, April 26 & 27, 2013 at JSS College of Pharmacy, Ooty. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
7.	Mr.S. Wasim Raja	Seminar attended	Indian Pharmaceutical Association Students Congress – 5, April 26 & 27, 2013 at JSS College of Pharmacy, Ooty. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
8.	Mr.B. Vijayakumar	Seminar attended	DST-Sponsored National Conference under CURIE Project (IPTCON-2012) on “Pharmaceutical Industry and Academia Partnership–for Professional Excellence” 5 <sup>th</sup> and 6 <sup>th</sup> October 2012 Organised by Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati. National semeinar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
9.	Mrs.D.Jothieswari	Seminar attended	National seminar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
10.	Mr.N.Audinarayana	Seminar attended	64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
11.	Ms.M. Nishanthi	Anticonvulsant activity of various leaf extracts of vigna radiata (l.) Wilezek. (Abstract No:	DST-Sponsored National Conference under CURIE Project (IPTCON-2012) on “Pharmaceutical Industry and Academia Partnership–for Professional Excellence” 5 <sup>th</sup> and 6 <sup>th</sup> October 2012 Organised by Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.

		P013)	
		Seminar attended	National semeinar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013. 64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
12.	Ms. V. Rajani Sekhar	Seminar attended	National semeinar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013.
13.	R. Gandhimathi	Antioxidant activity of ethanol extract of Hiptage benghalensis L. - [oral presentation]	DST-Sponsered National Conference under CURIE Project (IPTCON-2012) on “Pharmaceutical Industry and Academia Partnership – for Professional Excellence” 5 <sup>th</sup> and 6 <sup>th</sup> October 2012 Organised by Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
		Anti-obesity Activity of Hiptage benghalensis L. in High Fat Diet induced Obesity in Albino Wistar rats - [oral presentation]	CSIR sponsored National Seminar on Advanced Biopharmaceutical Strategies -A Regulatory Perspective held at Sree Vidyanikethan College of Pharmacy, Tirupati, Andhra Pradesh –July 2012
		Seminar Attended	National semeinar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013.
		Seminar Attended	64 <sup>th</sup> Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.
		Seminar Attended	5 <sup>th</sup> Indian Pharmaceutical Association Students Congress, April 26-27, 2013 at JSS university, Ooty.
14.	A.Saravana Kumar	Seminar Attended	DST-Sponsered National Conference under CURIE Project (IPTCON-2012) on “Pharmaceutical Industry and Academia Partnership – for Professional Excellence” 5 <sup>th</sup> and 6 <sup>th</sup> October 2012 Organised by Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati.
		Seminar Attended	CSIR sponsored National Seminar on Advanced Biopharmaceutical Strategies -A Regulatory Perspective held at Sree Vidyanikethan College of Pharmacy, Tirupati, Andhra Pradesh –July 2012

		Seminar Attended	National seminar on patient safety and CADD-Molecular Modelling in drug design (PSCMMDD-2013). 5 <sup>th</sup> April, 2013.
15.	Mr.S.Rajasekhar	Seminar attended	<b>64th Indian Pharmaceutical Congress (IPC), December7-9, 2012 at SRM University, Chennai.</b>

6.7.4. Organisation of training programmes for skill upgradation, safety programmes/drills, etc. for lab staff within the institution (04)

6.7.5. Particulars of lab staff attended work shops

S.No.	Name of the Lab Staff	Title of the Paper	Name, Dates & Place of Event
1.	Mrs.A.Neelavathi	Workshop attended	Workshop on Handling and Trouble shooting of analytical Instruments, November 10-11,2012 at Sri Venkateswara college of pharmacy, Chittoor.
2.	Mrs.K.Sukeshini	Workshop attended	Workshop on Safety precaution while handling various Analytical Instruments, December 18-19,2012 at Sri Venkateswara college of pharmacy, Chittoor.
3.	Mr.T.Vasu	Workshop attended	. Workshop on Safety Management on Laboratory chemicals. April 4-5,2013 at Sri Venkateswara college of pharmacy, Chittoor.
4.	Mr.G.Nagoor basha	Workshop attended	Workshop on Introduction of clinical chemistry. November 21-22,2013 at Sri Venkateswara college of pharmacy, Chittoor.
5.	Mrs.T.Kanchana	Workshop attended	<b>Workshop on Preparation, Storage and dispose of Reagents. January 9-10 2014, at Sri Venkateswara college of pharmacy, Chittoor.</b>

#### 6.7.4. Safety of civil structure

The college takes all the precautions before it goes for constructing a building. The following measures get meticulously executed before, during and after construction.

##### Processes of Construction

- The plans are developed by eminent engineers outside the institution.
- The site is inspected and necessary fortification gets done.
- The soil is monitored by the department of Civil Engineering.
- Necessary approvals are obtained by relevant government bodies
- Full-time engineers work on the construction.

- The progress of constructions is reviewed both by college administration and the management representatives on a regular scale.
- All the norms laid down by the law-enforcing authorities are adhered to.
- The department of civil engineering monitors structures.
- Stability tests are carried out on in-house facilities.

## **Safety management of civil structures**

- The college accords prime importance to safety of the constructions.
- The flooring is monitored on a periodic basis and whenever there is need it is relaid.
- The ceiling is monitored and care is taken in order to see that there would not be rashes.
- Window frames are checked and painted whenever there is a need.
- Buildings are white washed on a periodic basis.
- Doors are protected from white ants and painted on a periodic basis.
- Roofs of the buildings are maintained and steps are taken to prevent seepage.
- Proper drainage system is provided to prevent water logging.

## 6.7.6. Stores and its management (04)

### ***Container Labeling***

*Containers must be labeled. Original containers without an adequate identifying label shall not be accepted from the supplier. Labels must, at a minimum, state the chemical name (as it appears on the SDS and chemical inventory), the manufacturer, importer, or supplier name and contact information, and the chemicals' hazard information. Existing labels on incoming containers must not be removed or defaced unless the container is immediately marked with the required information.*

**Labels or other forms of warning must be legible, in English, and prominently displayed on the container.** Where other languages are spoken in the work area, information may be presented in relative languages as well as in English. If a labeling system is necessary, the system should be communicated to (and understood by) all personnel in the work area.

### ***Labeling Systems***

*Some manufacturers include quick-reference labels on the containers prior to shipping, or departments may implement a labeling system on their own. One common labeling system involves color-coding the hazardous information for quick and easy identification.*

### ***Chemical List***

Each department or work area under the **Hazard Communication Program**, must maintain a list of hazardous products present in the workplace. The best way to prepare this list is to survey the workplace for chemical products. Look for chemicals in all physical forms - liquids, solids, gases, vapors, fumes, and mists - whether they are "contained" or not. The list may include additional information, such as the location of the products or the hazards identified on the label, and the list

may be maintained for the department as a whole, or by specific work area or location. It may be maintained in paper or electronic form.

## *Minimizing Chemical Exposures*

Because all substances are potentially hazardous - given the right dose and exposure - general precautions for handling chemicals should be adopted. Even for substances with no known significant hazard, exposure should be minimized. In general:

- ▶ Avoid skin contact (absorption hazard).
  - ▶ Use appropriate personal protective equipment and apparel. Refer to EHS's Personal Protective Equipment Program for more information.
  - ▶ Inspect gloves, confinement boxes, hoods, aprons, etc. for contamination or holes which might compromise their protection qualities.
- ▶ Avoid inhalation.
  - ▶ Do not purposely sniff chemicals.
  - ▶ When possible, work with hazardous chemicals/products inside a properly functioning fume hood (for laboratory applications) or in a well-ventilated area.
  - ▶ Where engineering controls, such as the use of fume hoods, glove boxes, non-hazardous chemical substitution, or local exhaust ventilation systems are not possible, appropriate respiratory protection should be used. Refer to EHS's Respiratory Protection Program for more information.
- ▶ Avoid ingestion.
  - ▶ Never taste chemicals.
  - ▶ Never pipette laboratory chemicals by mouth suction.
  - ▶ Do not eat/drink in areas where chemicals are in use. Contamination of food/drink is possible.
  - ▶ Do not store food/drink near chemicals. Chemical vapors may be absorbed by food.
  - ▶ Chemicals and chemical equipment must not be allowed in areas designated for the consumption, storage, and handling of food stuffs.
  - ▶ Never use laboratory glassware or other containers to store or serve food/beverages.
  - ▶ Food must never be stored in the same refrigerator or freezer as chemicals or biological samples. Refrigerators, freezers, microwaves, ovens, etc. designated for food storage and use must be labeled "FOOD ONLY". Refrigerators, freezers, microwaves, ovens, etc. designated for laboratory use must be labeled "FOOD OR BEVERAGE MUST NOT BE STORED IN THIS UNIT".
  - ▶ Thoroughly wash hands after handling or using chemicals.
  - ▶ Do not smoke in areas where chemicals are in use.

### ***Minimizing Accidental Spills and Contamination***

*In order to avoid accidental spills and/or contamination, proper storage, use, and handling procedures must be established and followed.*

- ▶ **Only a quantity of hazardous chemicals that will be used during that shift are permitted out of approved storage locations.**
- ▶ Work areas must be kept clean and orderly.
- ▶ Containers should be kept tightly sealed. Stoppers and other loosely fitting lids are not acceptable for permanent chemical storage.

### ***Chemical Storage***

Proper storage of hazardous products is an important part of a department's program. It minimizes the risk of fires, explosions, accidental spills or releases, and helps to maintain a safe path of egress for building occupants in the event of an emergency.

This is an example of poor storage! Specific information regarding storage may be found on the product container label or the SDS. Unless otherwise specified by the manufacturer, store chemicals in a cool, dry, well-ventilated location that is out of direct sunlight. General guidelines for each type of hazardous chemical are provided below.

### **Flammable/Combustible Liquids**

**Flammable-Storage-Rated-Refrigerators** must be used when flammable liquids must be refrigerated. This rating will be shown plainly on the front of the refrigerator. Refrigerator temperatures are typically **higher** than the flash points of most flammable liquids. **Powerful explosions can occur** when an inappropriately-rated refrigerator's open circuitry, typically located at the bottom of the unit, comes into contact with heavier-than-air fumes of flammable liquids. If there are non-flammable-rated refrigerators located in the laboratory, a highly visible, permanent label must be affixed that states: "**Caution: Do Not Store Flammable Materials in this Refrigerator**".

**Safety cans** are approved containers for secondary containment of flammable liquids. They prevent spillage and have spring-loaded safety caps that prevent vapors from escaping and act as a pressure vent if the can is engulfed in fire. They must be stored in approved flammable storage cabinets/rooms.

## **7. Teaching-Learning Process (75)**

### ***7.1. Tutorial classes to address student questions: size of tutorial classes, hours per subject given in the timetable (10)***

Provision of tutorial classes in timetable: **YES**

Tutorial sheets provided: - **YES**

Tutorial classes taken by faculty / teaching assistants / senior students / others....- **Faculty**

Number of tutorial classes per subject per week: Details given in the table below.

Number of students per tutorial class: 30

Number of subjects with tutorials: 1st year – 6 2nd year - 5 3rd year - 5 4th

Year - 5

(Instruction: Here the institution may report the details of the tutorial classes that are being

conducted on various subjects and also state the impact of such tutorial classes).

**2011 – 2012**

Year/ Programme	No. Of Tutorial Class
First Year	6
Second Year	5+5
Third Year	5+5
Fourth Year	5+5

**2012 - 2013**

Year/ Programme	No. Of Tutorial Class
First Year	6
Second Year	5+5
Third Year	5+5
Fourth Year	5+5

**2013 - 2014**

Year/ Programme	No. Of Tutorial Class
First Year	6
Second Year	5+5
Third Year	5+5
Fourth Year	5+5

**2014 - 2015**

Year/ Programme	No. Of Tutorial Class
First Year	6
Second Year	5+5
Third Year	5+5
Fourth Year	5+5

Tutorial periods are conducted in order to give exercises to the students and also to closely monitor their learning ability and achievement. Courses which require more practice, includes critical thinking or programming are provided with tutorial hours. Those courses which are given with two tutorial hours per week are assigned one credit. Tutorial hours are specially marked in the



time table and the lesson plan with predefined activities is prepared before the starting of the course. It is taken care by the module in charge that the classes are conducted according to the schedule.

**Details of Courses with Tutorial hours:**

Code	Subject	Number of Tutorial Hours
<b><i>I-Year</i></b>		
9RBS101	Remedial Mathematics ( for Bi.P.C stream)	1
9RBS102	Remedial Biology ( for M.P.C stream)	1
9R01101	Dispensing and Hospital Pharmacy	1
9R01102	Pharmaceutical Inorganic Chemistry	1
9R01103	Pharmaceutical Organic Chemistry-I	1
9R01104	Anatomy, Physiology and Health education	1
<b><i>II-Year-I-sem</i></b>		
9RBS301	Statistical Methods & Computer Applications	1
9R01301	Pharmaceutical Engineering –I	1
9R01302	Pharmaceutical Organic Chemistry – II	1
9R01304	Physical Pharmacy – I	1
9R01305	Anatomy, Physiology & Pathophysiology	1
<b><i>II-II Sem</i></b>		
9RBS405	Environmental Studies	1
9R01401	Pharmaceutical Engineering- II	1
9R01402	Pharmaceutical Analysis I	1
9R01403	Pharmacognosy – I	1
9R01404	Physical Pharmacy – II	1
<b><i>III-Year,I-Sem</i></b>		
9R01501	Pharmaceutical Biochemistry	1
9R01502	Pharmaceutical Microbiology	1
9R01503	Pharmacognosy –II	1
9R01504	Pharmaceutical Technology –I	1
9R01505	Pharmacology -I	1
<b><i>III-II-Sem</i></b>		
9R01601	Medicinal Chemistry – I	1
9R01602	Pharmaceutical Technology-II	1
9R01603	Pharmacology II	1
9R01604	Chemistry of Natural Drugs	1
9R01605	Pharmaceutical Jurisprudence	1
<b><i>Iv-Year, I-Sem</i></b>		
9R01701	Pharmaceutical Analysis – II	1
9R01702	Biopharmaceutics and Pharmacokinetics	1
9R01703	Pharmacology III	1

9R01704	Medicinal Chemistry II	1
9R01705	Pharmacy Administration	1
<i><b>Iv-Year, II-Sem</b></i>		
9R01801	Novel Drug Delivery Systems and Regulatory Affairs	1
9R01802	Pharmaceutical Biotechnology	1
9R01803	Medicinal Chemistry-III	1
9R01804	Pharmacognosy III	1
9R01805	Clinical Pharmacy & Therapeutics	1

A class is divided into 30 sized batches and each batch is handled by a single faculty member in separate tutorial rooms. Different exercises related to the topics were given and are solved by the students during the tutorial hours with the guidance of faculty. Students are divided into groups based on their understanding levels and group activity will be assigned to them.

**IMPACT:**

- Integration of knowledge is possible during the discussion of this activity.
- Close interaction with the faculty will help to clarify their doubts which is not possible in regular theory classes.
- Skills like critical thinking, communication skills, team collaboration, Problem solving are improved.

**7.2. Mentoring system to help at individual levels (10)**

Type of mentoring: Professional guidance / career advancement / course work specific / laboratory specific / total development

**Number of faculty mentors: 16**

**Number of students per mentor: 15 or 20**

**Frequency of meeting: Monthly**

(Instruction: Here the institution may report the details of the mentoring system that has been developed for the students for various purposes and also state the efficacy of such a system.)

A faculty member is assigned for a group of 20 members to help them to clarify their doubts and improve their technical aspects of the courses.

**Mentoring system:** A proctor diary is maintained for each student where details like

- Personal Information
- Previous Record

- Academic Performance
- Competitive Examination Details
- 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.

Occasionally proctor meeting with the parents is conducted based on the requirement.

**Professional Guidance:**

- The departments are well equipped with knowledgeable Human resources in the form of members of faculty who by keeping themselves of developments offer guidance to the prospective professionals in addition to the classroom teaching.

**Course work:**

- Members of faculty handling different courses interact with students in clearing all their Concept-oriented and test based mechanics of the respective courses.
- The teachers after first of formative evaluation guide the students as far as student-specific gray areas are concerned.

**Lab-specific:**

- Each of the lab sessions are done in three batches by 1 Teacher in order to have special care for the students while experiments are being handled. A demonstrative presentation is given by the teacher concerned before every experiment. The Laboratory records are evaluated after the experiment is held. In other words, there is active involvement of the members of faculty Pre-experiment stage, at the time of experiment and after the experiment.

**Total Development:**

As stated above, the college puts forward efforts to realize total development of the student. In addition to academics, literary, cultural and sports activities are conducted which offer leadership qualities, decision making abilities, team spirit, precision, analytical capabilities, socio-psychological awareness etc. which make an individual a intellectually mature being.

S.No.	Type of mentoring	Process	Method	Periodicity Weekly/ Monthly etc.,
1	Professional	2011 – 12	1. Monitoring the regularity of the students.	Monthly

	guidance	counseling 2012 – 13 counseling 2013 – 14 counseling	2. Monitoring Performance of the students. 3. Personal Counseling for Career Guidance 4. 20 Students in the section are assigned to one faculty member and the entire section is being supervised by a senior faculty member again. 5. The parents of poorly performing students are informed through SMS and counseling is given. 6. Students are encouraged to present papers at various conferences.	
2	Course Work	2011 – 12 2012 – 13 2013 – 14 (covering content beyond syllabus)	Lectures interspersed with discussions	Monthly
3	Lab specific	2011 – 12 2012 – 13 2013 – 14 (Giving extra experiments beyond syllabus)	Practical	Monthly
4	Total development	2011 – 12 2012 – 13 2013 – 14 (Result Analysis of the student scores)	Result Analysis	Once in a semester

\*Note: Specific information is available at respective Departments.

**Efficiency of the System:**

- The mentoring system developed by the college has been proved to be effective considering different parameters.
- The involvement of students in the academics has been increased, like class work attendance, paper presentations, presentation of models in exhibitions, participation in cultural activities etc.
- Because the number of students allocated to each of the mentor is limited to 20, personal interaction on regular basis has been taken up.

Teachers are also becoming more responsive to the learner needs day by day

7.3. Feedback analysis and reward / corrective measures taken, if any (10)

**Feedback collected for all courses: YES/NO**

**Specify the feedback collection process:**

A standard feedback questionnaire is collected from the students every mid semester course wise.

- Feedback mechanism is a well organized system in the college.
- The system of feedback collection is manual
- Collected feedback is scrutinized by the head of department.
- The feedback is quantified
- All the parameters mentioned in the feedback form will be analyzed.
- Ability of teaching with respect to each item and comprehensive ability of the teachers will be analyzed All the comments written by the students in the feedback forms will be communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enhance their teaching skills.

**Percentage of students participating: Specify the feedback**

**analysis process: 80 % - 100%**

- The feedback analysis is done manually
- All the parameters mentioned in the feedback form will be analyzed in two levels
- 1st level: Average of one parameter with respect to teachers is calculated.  
2nd level: Average of averages of the parameters is calculated.
- Ability of teaching with respect to each item and comprehensive ability of the teachers will be analyzed.
- All the comments written by the students in the feedback forms will be communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses and to enhance their teaching skills.

**Basis of reward / corrective measures, if any:**

- Faculty members who get average feedback below C on A –E scale are identified.
- Those faculty members are given orientation lectures and special inputs by the head of the department.
- Also the faculty members who get average feedback of C or above C on A- E scale are appreciated at the department level staff meetings.

**Number of corrective actions taken in the last three years:**

2014 – 15	: Nil
2013 – 14	: Nil
2012 – 13	: 07
2011 – 12	: Nil

**Number of awards in :**

2014 – 15	: 62
2013 – 14	: 49
2012 – 13	: 36
2011 – 12	: 37

**Justification:** The questionnaire being administered on the students has 18 items which cover the following questions.

1. Physical
2. Experiential
3. Overall perspective based

Thus the questionnaire based on the types of questions given above develops a comprehensive analysis of the pedagogy process by the teacher.

(Instruction: The institution needs to design an effective feedback questionnaire. It needs to justify that the feedback mechanism it has developed really helps in evaluating teaching and finally contributes to the quality of teaching.)

*7.4. Scope for self-learning (5)*

(Instruction: The institution needs to specify the scope for self-learning / learning beyond syllabus and creation of facilities for self-learning / learning beyond syllabus.)

The college developed an academic system which presents a curriculum which is having flexibility without prejudice to the fundamentals of any subject which are required.

- The curriculum offers courses like term paper, mini project, major project where the topics are self selected or based on guide suggestion. The component of self learning is evaluated in these courses.
- Every student has to submit a home assignment in every course which has been evaluated for 5 marks. Some of these tasks are beyond syllabus to encourage outstanding students to develop their self learning capabilities.
- The program planned weekly time table and facilities in such a way that the students have space and time to explore and implement their ideas.
- Computer Lab with well equipped and internet facility opened 24X7 for students.
- Department library with sufficient number of volumes on core and application areas, technology awareness journals are opened during college working hours.
- Library is provided where students can access all kinds of journals and reference books.

7.5. *Generation of self-learning facilities, and availability of materials for learning beyond syllabus (10)*

(Instruction: The institution needs to specify the facilities for self-learning / learning beyond syllabus.)

**Modes and Modules for self learning and learning contents beyond syllabus:**

S.No.	Facility/Item	Description
1	Library	Total number of volumes-2792, <b>Journals-66 :</b> -International -47 -National -19
2	E learning resources	27 computers with internet facilities and also e- journal -294, e-books-679, CDs- 59 are available.
3	Department Laboratories	Well Equipped individual laborites with all facilities of reagents.
4	Events that encourage self learning	1. Pharmacy Week 2. Seminars 3. Workshops 4. Conferences

**Programmes organized towards Self Learning**

Year	Seminars/ Conferences	Workshops	Guest Lectures/ Student Festivals / Others	Industrial Tours
2011 – 2012	1	1	3	1
2012 – 2013	5	-	4	1
2013 – 2014	1	2	3	3
2013 – 2014	1	2	3	3

7.6. *Language Laboratory (10)*

Language Laboratory	Space, number of students	Software used	Type of experiments	Quality of instruments	Guidance
Advanced English Language communication skills	241 sq.m (No. of Students 30 per batch)	GLOBERANA, SKY PRONUCIATION Software Power-2 No. of Systems : 1	G.D, Pyramidal Discussing Point Role play Mock	Procured Standard & Branded instruments, ISI certified	Available

		+ 27 (1 : Master console 27 : student systems) 30 : Two track audio gadgets	Interviews  Technique Presentation	instruments, secondary calibration is carried out at regular intervals	
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(Instruction: The institution may provide the details of the language laboratory. The descriptors as listed here are not exhaustive.)

**7.7. Career Guidance, Training, Placement, and Entrepreneurship Cell (10)**

(Instruction: The institution may specify the facility and management to facilitate career guidance including counselling for higher studies, industry interaction for training/internship/placement, entrepreneurship cell and incubation facility and impact of such systems.)

S.No.	Course/Activity	Status of Course	Level at which it is offered	Duration	Source of resources
1.	English & Communication Skill	Curricular	I /IV B.Pharm	1 Year	In-House
2	Professional Ethics	Curricular	III/IV B.Pharm – II Sem	1 Semester	In-House
3	Advanced Communication Skills	Curricular	III/IV B.Pharm – II Sem	1 Semester	In-House
4	Pharmacy Administration	Curricular	IV/IV B.Pharm.- I	1 Semester	In-House
5	Aptitude	Co-academic	IV/IV B.Pharm.- I	1 Semester	In-House
6	Spoken English and Other soft skills	Co-academic	IV/IV B.Pharm.- I	1 Semester beyond college hours	External
7	Campus Recruitment Training	Co-academic	IV/IV B.Pharm.- II	Subject to change from time to time	External
8	Workshops	Co-academic	IV/IV B.Pharm.- II	Occasion Specific	External
9	Event specific programmes like GPAT, TOEFL, GRE, NAPLEX et	Co-academic	IV/IV B.Pharm.- II	Occasion Specific	Both Internal & External

**Student Training facilities for placement details**



**Provisions for improving Placements:**

- The students would get an opportunity to have exposure to the emerging technologies.
- Some of the students may even come to a clear understanding that such sub-areas exist in their area of activity such they would visualize their career in those areas.
- Innovative experiments
- Mini projects and Term papers are introduced in order encourage positive compartmentalization of learning and to offer simulated industrial operations.
- In addition to all the above, teachers offer counselling individually or in small groups
- We are maintaining separate Career & Guidance cell in the library. There we are maintaining competitive magazines and books for the GRE, GPAT, TOFEL, IELTS, NAPLEX and year books for the use of Students.

**Outcome:-**

The students have been utilizing the infrastructural facilities and training offered by the college pertaining to higher studies and with regard to mould their career. Many of those students appearing at the said examinations for executing higher studies abroad secured respectable ranges and scores during the last 3 years. Our students have been faring well at GPAT obtaining admission into PG courses in Pharmacy at various prestigious institutions like NIPER.

**Training and placement facility with training and placement officer, industry interaction for training/internship/placement**

**Facility:-**

**Infrastructure:** A separate division is available

No. of chambers for personnel : **02**

No. of chambers for conducting Interviews : **04**

**HR:-**

Full time officers : 02 (TPO & ATPO)

Full time Trainers : 03 (01-Soft Skills, 02-Aptitude)

Non – Teaching : 02

**Training:**

a) In –House Training : The training needs of students relating to employment are taken care by an In-house training module.

1. English & Communication Skills - I /IV B.Pharm
2. Aptitude training – IV/IV B.Pharm

**Out Sourcing:-**

b) Training students by external parties is reported to, to enhance communication skills and to brush them up in the areas of critical reasoning and vocabulary-just before the commencement of placement season.

**Entrepreneurship cell and incubation facility**

Entrepreneurship Development Cell aims to improve and generate a culture of innovation and development of entrepreneurial spirit amongst the students and budding entrepreneurs and start their own enterprise. It also attempts to train and equip them with the knowledge and resources they need to build successful business.

**Facility:**

Entrepreneurship cell is attached with the training & placement cell

No. of chambers of personal : 01

Full time officers : 01

Full time trainers : 01

Non-teaching : 01(Attender)

**Training:**

The Students were exposed to different projects, seminars, workshops and interactive sessions to make them a perfect Technocrat.

S.No	Date	Name of the Workshop /Seminar	Resource Person
1	1/3/2015	National Seminar on Job Opportunities and career guidance in Pharmacy, Krishna Teja College of Pharmacy, Tirupathi	
2	9/1/2014	Empowering hospital administrators with management skills on 9th January 2014 organised by Department of Business Administration, Sri Venkateswara College of Pharmacy, Chittoor.	
3	21 & 22/2/2014	Indian Congress of Pharmacy Practice 2014 & Inaugural Convention of the Indian Association of Colleges of Pharmacy by IACP, Feb 21 <sup>st</sup> & 22 <sup>nd</sup> 2014, Hotel Sheraton at Bridge Gateway, Bengaluru, India. (Poster	

		presentation entitled Potential Medication Errors with Sound-Alike & Look-Alike Drugs (Salads) – A Review).
<b>4</b>	3/3/2014	Indo-European Symposium on “Pharmacoeconomics Polices” organized by RIPER, RDT Hospital, Bathalapalli, AP, 3 <sup>rd</sup> March 2014.
<b>5</b>	28,29/9/2012	2nd International Symposium on Frontiers in Pharmaceutical Research and Nano Technology – 28 <sup>th</sup> and 29 <sup>th</sup> Sep -2012, A.J. College of Pharmacy, Chennai, India.
<b>6</b>	7,9/12/2012	64th Indian Pharmaceutical Congress – 7 <sup>th</sup> – 9 <sup>th</sup> December, 2012, SRM Unvierstity, Chennai.
<b>7</b>	20-22/12/12	International Conference on Environmental Impact on Human Health and Therapeutic Challenges, 20 <sup>th</sup> -22 <sup>nd</sup> Dec, 2012, 6 <sup>th</sup> Annual Convention of Association of Biotechnology and Pharmact (ABAP), Sri Venkateswara University, Tirupati.
<b>8</b>	26-27/4/13	Indian Pharmaceutical Association Students Congress -5, 26 <sup>th</sup> -27 <sup>th</sup> April, 2013, JSS College of Pharmacy, Mysore.
<b>9</b>	5,6/3/2011	1stInternational Symposium on Frontiers in Pharmaceutical Research and Nanotechnology (Nanopharma 2011), 5 <sup>th</sup> & 6 <sup>th</sup> of March 2011 organised by Sri Padmavathi School of Pharmacy, Thiruchanoor, Tirupathi.
<b>10</b>	10-11/2/12	1st National Symposium on Recent Advances in Pharmaceutical Sciences, 10 <sup>th</sup>

		& 11 <sup>th</sup> of February 2012 organised by Ratnam Institute of Pharmacy, Nellore.
<b>11</b>	26-27/3/2011	Pharma Transpire – 2011 National seminar on Emerging novel trends in drug delivery systems 26 <sup>th</sup> - 27 <sup>th</sup> of March 2011 organised by Creative Educational Society's College of Pharmacy, Kurnool.
<b>12</b>	28/2/2011	One day national conference on “Emerging Trends & Career Opportunities in Pharmacy” organised by Seven Hills College of Pharmacy, IPA, Tirupathi, AP held during 28 <sup>th</sup> March 2011.
<b>13</b>	24,25/1/12	Two days national conference on “Emerging Trends in Dissolution Studies – JSS, Mysore during 24 & 25 <sup>th</sup> Jan 2012.
<b>14</b>	17-19/2/12	4th IPA Students Congress in Warangal 17, 18 & 19 Feb 2012

7.8. *Co-curricular and Extra-curricular Activities (5)*

(Instruction: The institution may specify the Co-curricular and extra-curricular activities, e.g., NCC/NSS, cultural activities, etc)

**Facilities**

The college has NSS units besides a Literary and cultural club which are coordinated by members of faculty. Literary and cultural club organizes competitions on specific occasions in addition to organizing Annual Literary and cultural competitions. Counseling is offered when the students represent the college at other places

**Sports & Cultural Activities:-  
2010-11**

S.No	Event Date	Event Name	Participants	Winner & Runner
<b>1</b>	10.12.2010	Group Discussion	CP Kumar, Sivaprasad, Naresh Kumar, Sravani C, Shobana, Praveen Kumar, Dora Babu, B. Naveen, Kavya	Naresh Kumar, Kavya

## NBA-SRI VENKATESWARA COLLEGE OF PHARMACY

2	11.12.2010	General & Technical Quiz	Deepthi & Co Naresh kumar & Co Ramesh & Co T. Prabu & Co	Ramesh & Co T. Prabu & Co
3	12.12.2010	Chess	Sreetharudu, Gopinath, Rohit, Ganesh Raj, Kusuma, Nirosha, RR. Sravanthi, Himavarshini, Nishanthi, Prasanthi, Padmavathi, Sreelaka, Chandrasekar	Chandrasekar, Rohit, Nishanthi, Nirosha
4	13.12.2010	Throw Ball	Vanaja & Co Sureka S & Co Suguna & Co Shaleena & Co	Vanaja & Co Shaleena & Co
5	14.12.2010	Volley Ball	Harshavarthan & Co Sravankumar & Co Madhumohan & Co Vinoth & Co	Harshavarthan & Co Sravankumar & Co
6	15.12.2010	Cricket	Madhusekhar & Co Royal Rakesh raju & Co Mahesh Kumar & Co Kranthi Kumar & Co	Royal Rakesh raju & Co Kranthi Kumar & Co

### 2011-2012

S.No	Event Date	Event Name	Participants	Winner & Runner
1	20.12.2011	Group Discussion	Pavan Kumar, Sravani G, Pridviraj, Dora Babu, S.Venkatesh, Kavya, Padmavathi, Manoj Kumar, Jayasurya, Pavithra	Pavithra, Dora Babu
2	21.12.2011	General & Technical Quiz	Naresh kumar & Co Ganesh & Co Steven & Co Prem Sagar & Co	Naresh Kumar & Co Prem Sagar & Co
3	22.12.2011	Chess	Sravan Kumar, Kusuma, shobana, RR. Sravanthi, Himavarshini, Nishanthi, Prasanthi, Padmavathi, Chandrasekar, Sandhya, Mounika	Chandrasekar, SravanKumar Sandhaya, Kusuma
4	23.12.2011	Throw Ball	Aruna & Co Suguna & Co Padmavathi & Co	Sandhya & Co Shaleena & Co

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			Sandhya & Co	
5	24.12.2011	Volley Ball	Satish & Co Madhumohan & Co Vamsi Krishna & Co Rajesh & Co	Rajesh & Co Madhumohan & Co
6	25.12.2011	Cricket	Royal Rakesh raju & Co Mahesh Kumar & Co Kranthi Kumar & Co Raj Kumar & Co	Kranthi Kumar & Co Royal Rakesh raju & Co

### 2012-2013

S.No	Event Date	Event Name	Participants	Winner & Runner
1	2.1.2013	Group Discussion	Prasanthi, Dora Babu, Steven, Padmavathi, Prem Sagar, Pavithra, Sai Vyshnavi, Himabindu, Bhargavi, Ashok, Prabudeva, Sudha	Himabindu, Ashok
2	3.1.2013	General & Technical Quiz	DoraBabu & Co Steven & Co Lavanya & Co Roja & Co Manisekar & Co	Manisekar & Co Roja & Co
3	4.12.2013	Chess	Prasanthi, Suguna, Padmavathi, Chandrasekar, Sandhya, Lavanya, Raviprasad, Indu, Pooja, Saradha, Kishore Kumar, Vijayakumar, Suresh, Sudha	Chandrasekar, Raviprasad Sudha, Saradha,
4	5.1.2013	Throw Ball	Suguna & Co Padmavathi & Co Mounika & Co Sambhavi & Co Anitha & Co	Anitha & Co Suguna & Co
5	6.1.2013	Volley Ball	C. Mahendra & Co Parthasarthy & Co Rajesh & Co Vijayakumar & Co Suresh & Co	Suresh & Co Vijayakumar & Co
6	7.1.2013	Cricket	Mahesh Kumar & Co	Raj Kumar & Co

	Kranthi Kumar & Co Raj Kumar & Co Barath & Co Prabudeva & Co	Kranthi Kumar & Co
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**2013 -2014**

S.No.	Event Date	Event Name	Participants	Winner & Runner
1	11.2.2014	Group Discussion	Padmavathi, B.Naveen, Pavithra, RamuNaik, Pavani, Saisusmitha, Babin	Babin, Padmavathi
2	12.2.2014	General & Technical Quiz	Kishore & Co; Praveenkumar& Co; Lavanya& Co; Sandhya& Co; Suresh & Co	Suresh & Co; Lavanya& Co
3	13.2.2014	Chess	Rajkumar, Arina,Dhavarika, Barath, Priyanka, Adhiya, Santhosh	Dhavarika,Priyanka Rajkumar, Adhiya
4	14.2.2014	Throw Ball	Sruthi& Co; Saradha& Co; Kavya& Co; Kalyani& Co; Anitha& Co; Lavanya& Co	Kavya& Co Lavanya& Co
5	15.2.2014	Volley Ball	Sudesh& Co; Mounideen& Co; Raviprasad& Co; Vijayakumar& Co; Pradudeva& Co	Vijayakumar& Co Sudesh& Co
6	17.2.2014	Cricket	Kranthi Kumar & Co; Kishore & Co; Manojkumar& Co; Manisekhar& Co; Manikanda& Co	Raj Kumar & Co Kranthi Kumar & Co

**Cultural and Exhibitions Wing Activities**

S. No	EVENT NAME	Date
<b>2010-2011</b>		
1	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2010
2	Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day. i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).	26.01.2011
<b>2011-12</b>		

<b>1</b>	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2011
<b>2</b>	Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day. i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).	26.01.2012
<b>2</b>	Selesta- Sri Venkareswara College Engineering and Technology. Nearly 1000 students from 25 Engineering Colleges in and around Chittoor District participated in the following cultural & Sports activities. i. Personality contest. ii. Group Singing iii. Group Dance iv. Solo Dance v. Solo Singing viii. Volley Ball ix. Cricket x. Shuttle xi Skit The winners of the above competitions were granted with certificates and mementoes. Nearly 100 students of Sri Venkateswara College of Pharmacy acted as Volunteers and they assisted the Teaching Staff to conduct the competitions in smooth manner.	27.02.2012 to 29.02.2012
<b>2012-2013</b>		
<b>1</b>	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2012
<b>2</b>	Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day. i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).	26.01.2013
<b>3</b>	Selesta- Sri Venkareswara College Engineering and Technology. Nearly 1000 students from 25 Engineering	1.03.2013 to 03.03.2013



Colleges in and around Chittoor District participated in the following cultural & Sports activities.

- i. Personality contest.
- ii. Group Singing
- iii. Group Dance
- iv. Solo Dance
- v. Solo Singing
- viii. Volley Ball
- ix. Cricket
- x. Shuttle
- xi Skit

The winners of the above competitions were granted with certificates and mementoes. Nearly 100 students of Sri Venkateswara College of Pharmacy acted as Volunteers and they assisted the Teaching Staff to conduct the competitions in smooth manner.

#### **2013 -2014**

Independence Day Celebrations were conducted in the Institution entrance. Dr. K. 15.08.2013  
Bhaskar Reddy, Principal hoisted the National Flag. Students participated in Group Singing (patriotic).

Republic Day Celebrations were conducted in the Institution auditorium. Dr. 26.01.2014  
K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day.

- i. Group Singing – patriotic
- ii. Group dance – patriotic

#### **2014 -2015**

Republic Day Celebrations were conducted in the Institution auditorium. Dr. 26.01.2015  
K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day.

- i. Group Singing – patriotic
- ii. Group dance – patriotic

Independence Day Celebrations were conducted in the Institution entrance. Dr. K. 15.08.2015  
Bhaskar Reddy, Principal hoisted the National Flag. Students participated in Group Singing (patriotic).

#### **NSS Activity:-**

- The funds for NSS Unit are from University.
- 16 % of students from 1st and 2nd year is working as volunteers in NSS.
- In addition to our regular NSS Program, Special camp programme are conducted every year at near by village mutheruvula. About 50 students are allotted for this.

**Events conducted by NSS unit Year wise Cultural and Exhibitions Wing Activities**

S. No	EVENT NAME	Date
<b>2010-11</b>		
1	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2010
2	Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day. i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).	26.01.2011
<b>2011-12</b>		
1	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2011
2	Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day. i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).	26.01.2012
2	Selesta- Sri Venkareswara College Engineering and Technology. Nearly 1000 students from 25 Engineering Colleges in and around Chittoor District participated in the following cultural & Sports activities. i. Personality contest. ii. Group Singing iii. Group Dance iv. Solo Dance v. Solo Singing viii. Volley Ball ix. Cricket x. Shuttle xi Skit The winners of the above competitions were granted with certificates and mementoes. Nearly 100 students of Sri Venkateswara College of Pharmacy acted as Volunteers and they assisted the Teaching Staff to conduct the competitions in smooth manner.	27.02.2012 to 29.02.2012
<b>2012-2013</b>		
S. No	EVENT NAME	Date
1	Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).	15.08.2012

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<b>2</b>	<p>Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day.</p> <p>i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).</p>	26.01.2013
<b>3</b>	<p>Selesta- Sri Venkareswara College Engineering and Technology. Nearly 1000 students from 25 Engineering Colleges in and around Chittoor District participated in the following cultural &amp; Sports activities.</p> <p>i. Personality contest. ii. Group Singing iii. Group Dance iv. Solo Dance v. Solo Singing viii. Volley Ball ix. Cricket x. Shuttle xi Skit</p> <p>The winners of the above competitions were granted with certificates and mementoes. Nearly 100 students of Sri Venkateswara College of Pharmacy acted as Volunteers and they assisted the Teaching Staff to conduct the competitions in smooth manner.</p>	1.03.2013 to 03.03.2013
<b>2013-2014</b>		
<b>S. No</b>	<b>EVENT NAME</b>	
<b>1</b>	<p>Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).</p>	15.08.2013
<b>2</b>	<p>Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day.</p> <p>i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).</p>	26.1.2014
<b>2014-2015</b>		
<b>S. No</b>	<b>EVENT NAME</b>	
<b>1</b>	<p>Independence Day Celebrations were conducted in the College entrance. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. 4 Students participated in Group Singing (patriotic).</p>	15.08.2014
<b>2</b>	<p>Republic Day Celebrations were conducted in the College auditorium. Dr. K. Bhaskar Reddy, Principal hoisted the National Flag. The following cultural activities were conducted on this day.</p> <p>i. Group Singing – patriotic. (6students participated). ii. Group dance – patriotic. (8 students were participated).</p>	26.1.2015

7.9. Games and Sports, facilities, and qualified sports instructors (5)

(Instruction: The institution may specify the facilities available and their usage in brief.)

**Details of department of physical education**

S.No.	Name of the area	Plinth Area in Sq.Mtrs
1	Badminton	171 Sq. Mtrs
2	Store Room	32 Sq. Mtrs
3	Department Room	a). 12 Sq. Mtrs b). 12 Sq. Mtrs
4	Play-Ground Consists of 400mtrs Athletic Track, Volleyball, volleyball, Ball Badminton, Netball Courts, Long-Jump, Shot-put, Hammer, Football, throw ball, tenni coit and Cricket fields	40,200 Sq. Mtrs.

**Table : Physical Department Equipment Details**

**List of equipment:**

S.No	Name of the facility	Availability for usage
1	Shuttle Bat	04
2	Shuttle Net	01
3	Volley Ball Net	01
4	Volley Ball	03
5	Throw Ball	01
6	Tennicoit Net	01
7	Tennicoit Net	01
8	Cricket Kit	01
9	Chess Board	01
10	Carrom Board	01

## **Management of the above facilities:**

Refilling, resoling of the playfields with fine quality of red earth, marking and laning, as and when needed for the utilization to conduct the above events from time to time i.e., intramural competitions for men and women students, teaching and nonteaching staff, selection trials and coaching schedules etc,

## **Broad activities of the department**

- Preparation of Play fields for the use of players from time to time
- Conduct of Selection trials to pick-up talented players for participation at Intercollegiate tournaments of JNT University Anantapur, practice matches and invitation tournaments of students and staff
- Coaching provided to the participating teams
- Providing games and sports material for the regular practice
- To tone-up general fitness purpose, Gymnasium Equipment i.e., 23 individual stations available for the students
- Calling quotations for the purchase of quality sports material
- Attending University Tournaments and General Body meeting of JNT University Anantapur.
- Organizing practice matches for different events from time to time
- Sending outstanding players for participation at National level events, tournaments and also for the coaching camps
- Guiding Students/players towards academic accomplishments
- Providing sports uniform for the students for participation in tournaments
- Financial support to the outstanding sports persons to participate in international/ national level tournaments
- Conducting intramural games and sports competitions for men and women students separately in volleyball, cricket, football, table tennis, badminton, throwball, tennicoit, athletic events.
- Conducting games and sports competitions for the staff of the college both teaching and non-teaching( men and women) separately
- Presenting meritorious certificates and mementoes

## **NOTEWORTHY PARTICIPATIONS:**

Mr.Reddy Pavan Kumar, Student of our college participated in Inter university sport meet by representing our University for the badminton

**8. Governance, Institutional Support and Financial Resources (75)**

**8.1. Campus Infrastructure and Facility (10)**

**8.1.1. Maintenance of academic infrastructure and facilities (4)**

<b>Infra Structure &amp; Facility</b>	<b>Maintenance Description</b>
Land Built up Area Exclusive for the Institution Land : 2.27 acres Build-up floor space: 5615 sq.m.	Cleanliness is maintained by the outsourced people organized by the institute level In-charge
Class Rooms	Well furnished class rooms are cleaned by out sourced sweepers every day.
Tutorial Rooms	Tutorial rooms are cleaned every day and maintained by faculty in charge.
Seminar Hall	Seminar hall of the department is maintained by departmental – in charge faculty & Technician at regular intervals
Laboratories	A faculty in charge and a laboratory technician looks after the maintenance of each laboratory. They put together propose the budget for the required consumables, new equipment, repairs and calibration if required
Equipment	Technicians maintain the log book for equipment of the laboratory. They prepare the preventive maintenance schedules under the guidance of faculty-in-charge and carry out regular maintenance as per the schedules
Computers	A programmer/ Technician and a faculty in-charge of computer laboratory are responsible for maintenance of systems and software. Programmer carryout maintenance of each computer at regular intervals and record in the log book. Faculty in charge prepares necessary budget and submit to HOD.
Main Library	All the books are accessioned accordingly by the serial number of accession number and classified subject wise and shelved in the rack according to call numbers regularly
Dept. Libraries	Faculty members of departments can borrow books from Dept. Library, and students in their free time can make use of the books available in the Dept. Library. One Faculty member is made in-charge of the Dept. Library.

## **Built-up space:**

- College Building is constructed with different floorings covering an area of **5615** square meters.
- The campus is surrounded by a compound wall separating the college from the surrounding environment. All the buildings are well connected by wide internal roads so that the central facilities are accessible to all the members of faculty and students.

Maintenance: One Engineer, 2 Supervisors, carryout repairs and maintenance job.

## **Following are some of the highlights of the ambience management and landscaping**

### **Ambience of the work places**

- Each and every year student has sufficient number of classrooms and laboratories that are fully ventilated and provided with necessary concealed electrical wiring and electrical items like fans, lights, computer systems with internet connectivity etc.
- Faculty members are provided with separate staff rooms with all the necessary facilities (Like internet facility)
- Proper maintenance of Classroom infrastructure

### **Cleanliness**

- Cleanliness is maintained on the campus by disposing all the waste material on a daily basis with the help of sufficient man-power. Waste water is drained out by the well maintained side canals.
- All the Biodegradable waste such as dry leaves, twigs and paper are collected on a daily basis, and made into good compost which again is added to the soil to maintain soil fertility.
- Toilets are provided in each of the floors for boys, girls and faculty separately. All the toilets are cleaned every day
- Besides the regular cleaning process, the environmental protection in the college is maintained by some activities like plantation in which the students also participate as a part of NSS Programs

Maintenance: One Supervisor and 6 maintenance workers maintain the regular cleaning.

### **8.1.2. Hostel (boys and girls), transportation facility, and canteen (2)**

#### **\* Boys' hostel**

- i. Number of hostels: 01
- ii. Number of inmates: 02, 03 (according to the capacity of the room)
- iii. Facilities: both AC and Non AC rooms available with Wi-Fi connection

#### **\* Girls' hostel:- **General Hostel****

- i. Number of hostels: 01
- ii. Number of inmates:- 02,03 (according to the capacity of the room)
- iii. Facilities: both AC and Non AC rooms available with Wi-Fi connection

### VIP Hostel

- i. Number of hostels: 01
- ii. Number of inmates: 01,02 (according to the capacity of the room)
- iii. Facilities: both AC and Non AC rooms available with Wi-Fi connection

### \* Overseas student's hostel:-

- i. Number of hostels: 01
- ii. Number of inmates: 01, 02 (according to the capacity of the room)
- iii. Facilities: both AC and Non AC rooms available with Wi-Fi connection

### \* Hostel for interns:- NA

- i. Number of hostels
- ii. Number of inmates
- iii. Facilities

### \* PG Hostel:- NA

- i. Number of hostels
- ii. Number of inmates
- iii. Facilities

### Hostel facilities

The college provides International Hostels offering single, double, triple and four bedded occupancy furnished with imported furniture (Cot + Book shelf cum Computer table + Almirah + Chair) with A/C option. The residential facilities for the hostel community additionally include air conditioned rooms, refrigerator, Wi-Fi, International cuisine, Doctor on a call, Ambulance Service etc. The college enjoys the reputation of being one of the best pharmacy colleges in Andhra Pradesh nestled in serene atmosphere providing quality education. On the whole, the college provides a safe, secure and ingenious ambience to the students for integrated learning practices.

### Summary of block wise room details – Boys Hostel

Sl. No.	Name of the Block	Single Room	Double Room	Three Bedded	Four Bedded	Five Bedded	Six Bedded	Total
1	APJ Abdul Kalam	0	30	0	2	0	0	32
2	CV Raman	0	39	0	8	0	1	48
3	KL Rao	0	37	17	1	0	0	55
4	M.Visveswaraya	0	37	0	9	0	0	46
5	Srinivasa Ramanujam	17	19	0	1	10	0	47
6	Bill Gates	2	39	0	1	0	1	43
	<b>Total</b>	<b>19</b>	<b>201</b>	<b>17</b>	<b>22</b>	<b>10</b>	<b>2</b>	<b>271</b>
<b>TV(1),HK(1),Internet(1),Warden(1),Store Room(2) and Panel Board Room(1)</b>								<b>7</b>
<b>Guest Houses</b>								<b>4</b>
<b>Total Rooms</b>								<b>282</b>

### Summary of block wise room details – Girls Hostel

Sl. No	Name of the block	Single Bedded	Double Bedded	Three Bedded	Four Bedded	Five Bedded	Total
1	Sarojini Devi	3	9	2	75	2	91



**Transport**

Transportation is provided exclusively and State transport is also available. College is located within the city limits on Chittoor – Tirupati high way with city bus every 3 minutes.

Number of Buses	1
Facility availed to	Hostel Boys and Girls and Students, Faculty & Staff from Tirupati, Pileru, Chittoor

**Table: Transportation Details**

Canteen facility is available for students, faculty and staff on subsidized rates in the campus.

Availability of Canteen	Yes, Available
Number of Canteen	01
Area	2300 sq meter
Daily Usage	100-150

**Table: Canteen Details**

8.1.3. Electricity, power backup, telecom facility, drinking water, and security (4)

(Instruction: Specify the details of installed capacity, quality, availability, etc.)

**A. Electricity and Power Back-Up:**

The college has wide spread arrangements for power connections with a central Substation, Control panel and Power room. Breakers are available at substations; Control panels are available at power room. Panels and Distributions boxes are available at Individual Departments.

**Types of cables used :** Under Ground Cables, Aluminum armed 3 Phase with neutral

**Cable Sizes** : 300 Sq.mm to 6 Sq.mm

**Other important details:**

- College has a 250 KVA transformer with Breakers and current maximum demand is 250 KVA.,During power failures, the electricity backup is provided using two diesel generators each of 250 KVA diesel generators.
- The load is optimally shared on the two generators during different times of the college.
- The annual maintenance cost of generators is about Rs 1,15,000.

**B. Telecom facility:**

- The college has created facilities for smooth and fast communication involving different kinds of phone connections in tune with the requirements

- Landline telephones are available in the Chambers of the Principal, the Principal, office of the Principal, Exam section Cell and in Autonomous (confidential) section.

**The college has the following kinds of telephone connections**

- Landline connections with STD facility : 2 (one connection has six lines)
- Fax enabled Landline connection : 1: Cellular Phones: 3

**C. Drinking water**

- The college has a water purifying unit with Reverse Osmosis process. The unit processes 1000 Liters of water per hour every day.
- The college has an organized supply mechanism to different departments.

**Equipment available with the plant**

S.No.	Name of the Equipment	Nos.	Cost
1	Reverse Osmosis Water Plant	2	1.75 lakh

**Table 8.5: Water Plant Equipment details**

**D. Security Measures of the college:**

**Infrastructural:** All the buildings are constructed taking proper care with the required iron gates and windows.

- All the buildings have two or more entrances/ exits which are managed based on the need.
- All the classrooms, laboratories, offices, libraries and all the places of work are properly locked without prejudice to the balance of secrecy and transparency.

**Human Resource oriented:**

- The college has a two-tier security system.
- In-house mechanism- There are 2 Watchmen who work on 2 shifts
- The college hired the services of a reputable security agency OPDSS in Vijayawada through which 20 Security personnel work in the college.

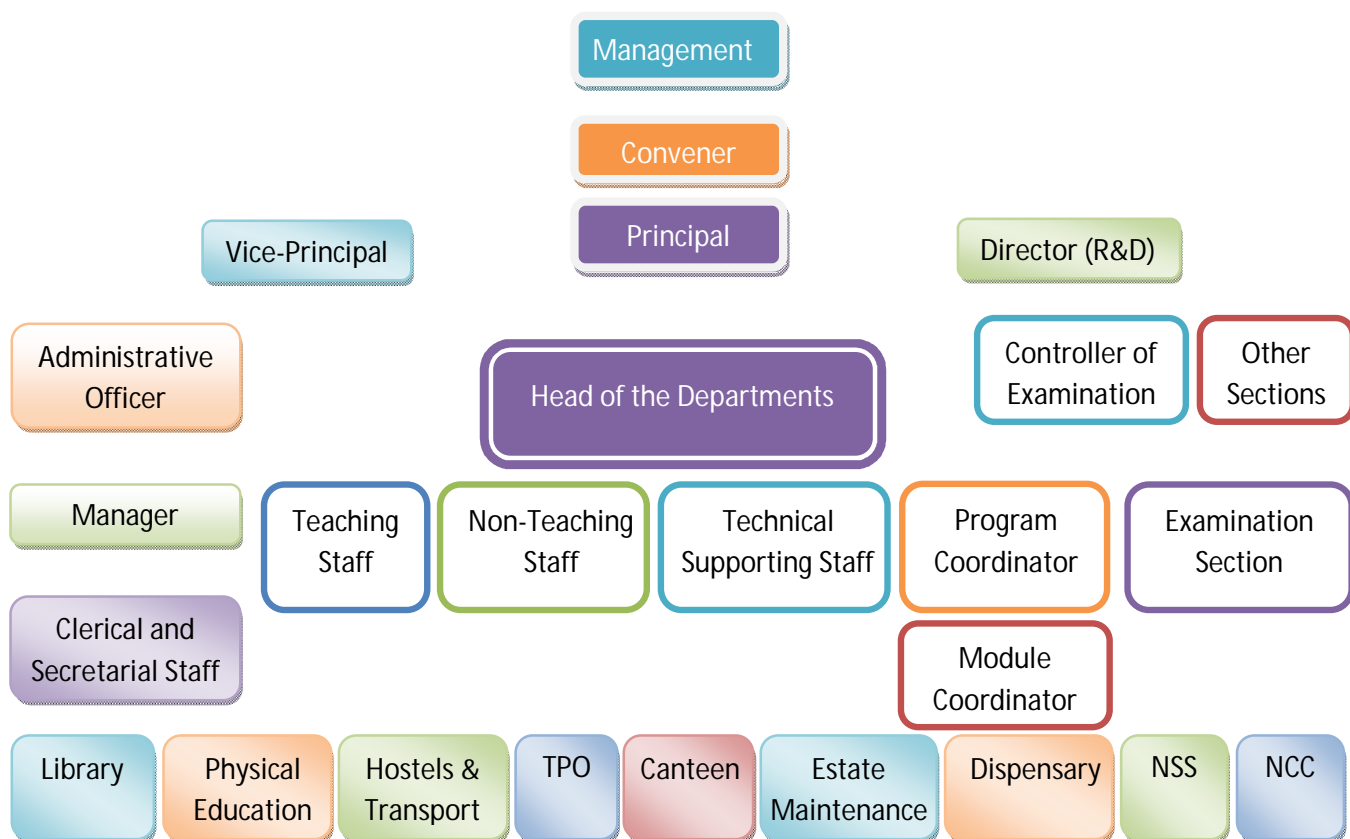
**8.2. Organization, Governance, and Transparency (10)**

**8.2.1. Governing body, administrative setup, and functions of various bodies (2)**

(Instruction: List the governing, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; and attendance therein, in a tabular form. A few sample minutes of the meetings and action taken reports should be annexed.)

**Organization and Governance**

The college has a well-marked administrative set up conforming to the norms of the AICTE and UGC. The Governing body functionalities are enclosed in **APPENDIX IX**



**Internal Organization Structure**

### **Administrative Setup**

- There is a Convener acting as the representative of the management.
- The Principal wields the powers with regard to financial and to all the academic and administrative matters including the conduct of examinations.
- Each of the departments has a head of the department who, in turn, assigns various tasks to different members of faculty.
- As far as running the autonomous stream, the statutory and non-statutory committees look after the academic and administrative procedures.
- The statutory committees are constituted as per the guidelines of the UGC
- There are 14 Non-statutory committees which have their well-defined Charters duly ratified by the Governing body
- For undertaking examination-oriented tasks, Principal is the Chief Controller of Examinations
- There is a Controller of examinations who is assisted by a Deputy controller and 3 Assistant controllers of examinations.

- As far as the administrative functions are concerned, the Administrative Officer and the Manager look after the activities executed by clerical, programming, data entry and ministerial staff.
- The departments have their own respective department offices which function under the guidance of respective heads of departments.
- All the monetary transactions (both the receipts and payments) are processed through a Nationalized bank
- The faculty and students are involved in several activities in addition to academic assignments. The sense of involvement makes them develop a sense of belonging for the institution.
- Every Funded project has a coordinator who is totally responsible along with his or her team for the project. Principal wields the financial power.
- On the whole, the members of faculty and non-teaching staff of the college believe in the dignity of labour, and all the functions of the college are meticulously planned, properly coordinated and perfectly executed.
- The following four statutory committees are functioning in the college to look after the administrative and academic procedures as per the norms stipulated by the University Grants Commission.

<b>Statutory Committee</b>	<b>Number of Members</b>	<b>Functions and Responsibility</b>	<b>Frequency of Meetings</b>	<b>Attendance 2013 Meetings</b>
Governing Body	14	All the academic, Administrative & Financial matters related to faculty, staff & students.	Twice in a Year	100 %
Academic Council & Board of Studies	6 & HOD, entire Faculty of the department	Scrutinizing and Approval Proposals with or without modifications of BOS with regard to Academic Regulations, Curricula , Syllabi etc., Preparation of Academic Regulations, Curricula , Syllabi etc.,	Once in a Year	100 %
Finance Committee	3 Members	Approval Budget estimation	Twice in a Year	100 %

A few sample minutes and action taken reports are enclosed in Annexure –I.

In addition to the committees or bodies presented above, the college has the following Non-statutory committee

Statutory Committee	Number of Members	Functions and Responsibility	Frequency of Meetings	Attendance 2013 Meetings
Anti Ragging committee	10 members	To create awareness regarding ragging and its serious consequences among students by oral, posters.	Once in a year	100 %

The said committees have been functioning in the college in order to facilitate the successful functioning of autonomy. Each of the committees has been conducting its meetings the minutes of which have been ratified in the governing body meetings from time to time.

The *Disciplinary committees* have been constituted on a dynamic basis both for academic and for general discipline. Principal constitutes the committees whenever the situation demands *In addition to the above, Anti ragging Vigilance committees are formed with staff of the college with specific schedules and locations in the college especially during the initial months of academic session for the 1 year students of B.Pharmacy and other programmes.*

On the whole, the college has **Four Statutory** and **Fifteen Non-statutory** committees.

8.2.2. Defined rules, procedures, recruitment, and promotional policies, etc. (2)

(Instruction: List the published rules, policies, and procedures; year of publications; and state the extent of awareness among the employees/students. Also comment on its availability on the internet, etc.)

1. The rules are well defined and are enclosed in **APPENDIX -X**. The policies and procedures are made clear. These rules concerned with the General administration of the college, Recruitment Procedure and service conditions of the staff, Leave rules of the staff, Policies of Promotion and increment are framed properly
2. All the newly recruited staff and the newly admitted students are made aware of these rules through orientation programmes. These are also made available on the college website.
3. Hand book is made available for all the students at the time of their admission into college. The hand book comprises of academic regulations, general rules and regulations of the college with regard to discipline and awareness among anti ragging act.
4. Recruitment is done in a transparent manner purely on the basis of merit, after notifying the vacancies in the leading news papers.

5. Recruitment of faculty and staff for regular appointment is done by the JNTUA staff selection committee headed by the Vice chancellor and comprising the subject experts, the management representative and the Principal.
6. In case of immediate requirement, recruitment is done by the college staff selection committee consisting of the management members, Principal, the Head of the concerned department and the subject experts.
7. The published rules, policies and procedures with regard to faculty and staff Recruitment, promotions, leaves, retirement and PF are published and these are made available on the college website.

### 8.2.3. Decentralisation in working including delegation of financial power and grievance redressal system (3)

(Instruction: List the names of the faculty members who are administrators/decision makers for various responsibilities. Specify the mechanism and composition of grievance redressal system, including faculty association, staff-union, if any.)

There is decentralization in working and as far financial powers are concerned management is the highest authority. The financial aspects are discussed in Finance committee

- The principal is given the power to spend Rs 1, 00,000/- with Rs. 5,000/- as a single piece of expenditure.
- Heads of departments are given Imprest amount of Rs. 4,000. The account is periodically reviewed by the principal.
- Annual Budget is prepared by the Heads of departments. Principal reviews those statements. Management finally grants the permission to those budget statements.
- As far as Grievance redressal is concerned, there is a committee looking after the matter.
- Principal constitutes separate committees based on the requirements. Based on the recommendations of the individual committees Principal takes action.

#### **Administrators / Decision makers:**

- Head of the Institution : Principal
- Heads of Academic sections : Heads of the Departments

The following members of faculty have been assigned with administrative responsibilities.

S.No.	Name of the member of Faculty	Basic Academic Designation	Additional/Administrative responsibility(ties)*
1.	Dr. K.Bhaskar Reddy	Professor of	Principal, Chief Superintend,

		Pharmaceutics	HOD-Pharmaceutics, Chairman-NSS Unit
2.	Dr.V.Gunasekharan	Professor of Pharmaceutical Chemistry	Vice-Principal, HOD- Pharmaceutical Chemistry
3.	Dr.R.Meenakshi Sundaram	Professor of Pharmacology	Director – R&D, HOD- Pharmacology
4.	Dr.V.Vaijayanthi	Professor of Pharmacy Practice	HOD-Pharmacy Practice
5.	Dr.S.Hemalatha	Professor of Pharmacognosy	HOD-Pharmacognosy
6.	Mr.S.Wasim Raja	Assistant Professor of Pharmacy Practice	NSS Programme Officer
7.	Mr.N.Audinarayana	Assistant Professor of Pharmaceutics	Examination Section Incharge

**List of Faculty with Academic Responsibilities**

**Grievance Appeal Committee**

The Grievance Appeal committee is intended to undertake the processes of attending to the grievances put forward by the students and staff. It focuses on setting proper facilitation procedures for settling the issues in a cordial atmosphere. The committee is expected to initiate proper or appropriate enquiry or investigative mechanism within 24 hours from the receipt of the complaint in written form duly signed by complainant(s). The committee is expected to meticulously adhere to the standard arbitration procedures of the college and those of AP education act 1982, AP prohibition of ragging act 1997, AP service rules corrected up to 01-04-2008, Industrial disputes act 1947 (Section-9C Chapter II B), the administrative tribunal act 1985, negotiable instruments act 1881, Societies registration act 1860 and all other such enactments of the Government of Andhra Pradesh and Government of India from time to time. (Details are given in Basic functions).

**Scope of the operations:**

The committee shall take into consideration all the redressal criteria and rules and regulations of the college and government of Andhra Pradesh both in admitting the complaint and in conducting the enquiry. The committee is expected to commence its operations by constituting a special committee in case of need. The observations, findings, suggestions and recommendations are merely

recommendatory in nature and do not carry any legal binding for the college to follow or implement. The committee is expected to submit the minutes of its meetings along with observations, suggestions, if any, and resolutions to the respective statutory committees for further processing the same at the deliberations. The chairman and the members of the committee shall undertake all the operations in coordination with the Heads of the departments and administrative office.

### **Composition of the committee**

- A senior member of faculty is appointed as Chairman/ Chairperson by the Principal
- 10 members of faculty are nominated by the Principal
- The chairman is expected to undertake all the prime duties of the committee, namely convening the meetings, recording minutes, recording special observations and suggestions, if any, processing the data and obtaining ratification of the minutes, resolutions, observations, taking necessary steps for tabling the said documents for ratification by the statutory bodies etc.

### **Basic functions of the committee:**

The following items fall under the purview of the committee. The committee is expected to extend its co-operation to the members of faculty and staff appointed or drafted for specific tasks from time to time like other members of faculty including heads of departments or nonteaching staff appointed or drafted by the Principal for taking up a special enquiry related to any complaint, controller of examinations and other personnel drafted by the principal in case of an examination oriented grievance etc. The activities are classified in two categories Planning, and Monitoring & execution.

### **Planning activity:**

- Preparing the grievance redressal procedures from time to time and notifying the tenets to the staff and students.
- Studying and compiling the relevant enactments of the Government of AP and Government of India.
- Identifying the relevant on-going litigations and keeping the institution abreast of different verdicts of the Local courts and higher courts or tribunals or other legal bodies including Lokayukta and Human rights commission.

### **Monitoring and Execution activity:**

- Receiving appeals from the students and staff.
- Identifying the gravity of the appeal.
- Ascertaining the legal implications of the appeal.
- Ascertaining whether it falls under the purview of a non-statutory committee or not.



- Classification of appeals into academic, administrative and discipline-oriented.
- Constitution of a separate committee in case of need.
- Ascertaining the provisions of the committee.
- The committee may meet within 24 hours from the time of commencement of its operation and decide over the course of enquiry.
- Ascertaining the individuals to be involved in the enquiry.
- Categorizing the individuals enquired - Prime accused, second accused, connivers, Witnesses etc. based on the item if it is related to an act of indiscipline.
- Recording the depositions with time and date.
- Submission of the report after deliberations among the members of the committee
- Based on the report, the action taken can be finalized. The disciplinary action is finalized since the item falls under the jurisdiction of the Principal except in such circumstances which warrant the intervention of the statutory bodies namely Governing Body, Finance committee, Academic council, boards of studies and ultimately the Management.
- In case of an academic appeal, constituting a house-committee and subsequently the committee with experts from other institutions, and finally referring the reports of the committee to the academic council
- If it is an administrative appeal, an in-house committee has to be constituted the report of which shall be sent to the management for further action.
- In case of an appeal related to service matters, a committee shall be constituted to look into the verdicts of the tribunal of the government regarding similar items and submitting a report to the management for further action.

### **Meeting Schedule and Process of convening a meeting:**

The chairman is expected to issue a circular with the schedule and agenda one week in advance. However the chairman reserves the right to conduct any emergency session under certain circumstances that can be deemed to be an emergency situation. If it is not possible for the chairman to convene a meeting because of any academic or administrative reasons, one of the senior members of the committee can take up the responsibility of convening the meeting with the prior approval of the Principal. Tentative schedule of the meetings during an academic year has to be drawn by the chairman.

## **Quorum and other standard tenets:**

- An Attendance of 5 members is considered the quorum for any of the meetings.
- The committee may prepare a draft plan for items presented supra for further processing by the relevant bodies.
- If any member comes up with an innovative proposal, he/she may be advised to prepare a full-stretch document of the project put forward with projected financial commitment with relevant documents failing which such open suggestions can be deferred to the next meeting by requesting the members to be more focused in their approach.
- The deliberations are strictly confidential and shall be confined to in-house circulation, and if any member is found leaking the information to external agencies, the matter shall be reported for correctional administration.

## 8.2.4. Transparency and availability of correct/unambiguous information (3)

(Instruction: Availability and dissemination of information through the Internet. Information to be provided in accordance with the Right to Information Act, 2005).

### **Transparency**

In order to ensure transparency, the college takes the following measures.

#### **Academic and Administrative Transparency:**

- All the members of faculty are the members in the Board of studies.
- All the issues are discussed in the meetings of the Heads of Departments, which are held periodically the minutes of which are circulated to all the departments.
- The decisions taken and the issues discussed in meetings of the Heads of Departments are informed to the faculty in the department level meetings
- All the decisions taken by the Statutory bodies pertaining to particular items are informed to all the staff
- All the important pieces of information are sent to the faculty, staff and students
- There are Notice Boards in all the Blocks through which information is made available to the staff and students and very significant circulars are sent to the classrooms.
- Student Attendance has to be posted every month by the respective members of faculty on the College website which gets consolidated and placed in the notice boards for information to the students
- Academic Results and all the important items are placed on the College website

- The Mandatory Disclosure is presented on the website including the academic regulations and syllabus.
- All the information about the college is made crystal clear through the college web-site.
- Every parent can get information about his/her ward's attendance and performance.

**Students can get details about:**

- University marks and mid marks report
- Attendance
- Previous Papers
- Syllabus
- Course Structure
- Department News
- View Notices
- Staff Details
- Alumni Details
- The college has arranged web mail facility to the entire faculty with individual Ids for faster and more accurate information.
- Uploading college information related to extension of approval by the AICTE
- Making all the relevant documents available at the time of inspection to several bodies including Social welfare departments, university committees, UGC committees, NBA, NAAC, ISO and Corporate accreditations like TCS etc.
- Since the college is not receiving any grant for running the institution, Right to information act 2005 does not apply to the college.

### 8.3. Budget Allocation, Utilisation, and Public Accounting (10)

Summary of current financial year's budget and the actual expenditure incurred (exclusively for the institution) for three previous financial years.

Item	Budgeted in CFY	Expenses in CFY (till...)	Expenses in CFYm1	Expenses in CFYm2
Infrastructural built-up	-	-	-	-
Library	4,00,000.00	1,34,043.00	1,67,182.00	-
Laboratory equipment	45,01,715.00	22,32,000.00	27,35,896.00	1,96,560.00
Laboratory consumables	3,00,000.00	1,70,871.00	2,25,000.00	67,000.00

Teaching and non-teaching staff salary	89,25,018.00	1,16,42,579.00	92,26,426.00	88,40,922.00
R & D	-	-	-	-
Training and Travel	20,000.00	81,943.00	37,083.00	88,833.00
Other, specify				
<b>Total</b>	<b>1,41,46,733.00</b>	<b>1,42,61,436.00</b>	<b>1,23,91,587.00</b>	<b>91,93,315.00</b>

8.3.1. Adequacy of budget allocation (4)

(Instruction: Here the institution needs to justify that the budget allocated over the years was adequate.)

The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments. Students, faculty & staff requirements and promotions and latest technologies etc.

Formal budget estimates will be prepared by each department and will be reviewed in HODs meeting with the Principal.

After deliberations formal budget made altered in departments and forwarded to Principal for preparing final budget at college level. The final budget is sent to Management for approval and sanction. The Management is approving almost 100% which was proposed by the institute. The budget allocation and utilization for the last three years is adequate.

. Utilisation of allocated funds (5)

(Instruction: Here the institution needs to state how the budget was utilized during the last three years.)

Utilization of allocated funds	2014-15	2013-14	2012-13	2011-12
	46,34,555	28,13022	3570922	475332

**Fund utilization report**

8.3.3. Availability of the audited statements on the institute's website (1)

(Instruction: Here the institution needs to state whether the audited statements are available on its website.)

Year	Available (YES/NO)	Website Link
2011-12	Yes	<a href="http://www.svcop.in">www.svcop.in</a>
2012-13	Yes	<a href="http://www.svcop.in">www.svcop.in</a>
2013-14	Yes	<a href="http://www.svcop.in">www.svcop.in</a>
2014-15	Yes	<a href="http://www.svcop.in">www.svcop.in</a>

8.4. Programme Specific Budget Allocation, Utilisation (10)

Summary of budget for the CFY and the actual expenditure incurred in the CFYm1 and CFYm2 (exclusively for this programme in the department):

Items	Budgeted in CFY	Actual expenses in CFY (till...)	Budgeted in CFY m1	Actual Expenses in CFYm1	Budgeted in CFY m2	Actual Expenses in CFYm2
Laboratory equipment	45,01,715.00	23,13,022.00	43,20,500.00	27,35,896.00	34,60,955.00	1,96,560.00
Software	5,00,000.00	-	-	-	-	-
R & D	-	-	-	-	-	-
Laboratory consumables	3,00,000.00	1,70,871.00	3,00,000.00	2,25,000.00	3,00,000.00	67,000.00
Maintenance and spares	1,70,000.00	1,70,040.00	1,50,000.00	90,751.00	2,50,000.00	92,091.00
Training and Travel	20,000.00	84,874.00	40,000.00	37,083.00	1,25,000.00	88,833.00
Miscellaneous expenses for academic activities	22,06,500.00	13,13,056.00	20,05,400.00	24,00,087.00	9,16,000.00	6,45,581.00
<b>Total</b>	<b>76,98,215.00</b>	<b>40,51,863.00</b>	<b>68,15,900.00</b>	<b>54,88,817.00</b>	<b>50,51,955.00</b>	<b>10,90,065.00</b>

8.4.1. Adequacy of budget allocation (5)

The budget is progressively increased to meet the new facilities for equipment, replacement of outdated equipment and new labs due to revision in syllabi.

	2014-15	2013-14	2012-2013	2011-12
Equipments & Instruments	4634555	2001715	1500855	2860955
Chemicals	700000	300000	300000	300000
Total	5334555	2301715	1800855	3160955

8.4.2. Utilisation of allocated funds (5)

Year	Budgeted	Expenses	Utilization of funds
2014-15	5334555	Equipments and Chemicals	-
2013-14	2301715	Equipments and Chemicals	2813022
2012-13	1800855	Equipments and Chemicals	3570922
2011-12	3160955	Equipments and Chemicals	475332

**Fund Utilizations report**

8.5. Library (20)

8.5.1. Library space and ambience, timings and usage, availability of a qualified librarian and other staff, library automation, online access, networking, etc. (5)

(Instruction: Provide information on the following items.)

- Carpet area of library (in m<sup>2</sup>) = 150 Sq.m.
- Reading space (in m<sup>2</sup>) = 20.50 X 7.32 X 3.05 Sq.m.
- Number of seats in reading space = 60
- Number of users (issue book) per day = > 160
- Reference books = >100
- Number of users (reading space) per day = 2800 m<sup>2</sup>
- Timings:
  - During working day = 8.30 am to 5.30 pm
  - Weekend = 9.30 am to 4.30 pm
  - Vacation = 9.30 am to 2.30 pm
- Number of library staff = 2
- Number of library staff with degree in Library = N.L.I.Sc :1 NOs, N.L.I.Sc :1 NOs
- Management Computerization for search, indexing, issue/return records Bar coding used:
  - Available
- Library services on Internet/Intranet INDEST or other similar membership archives:
  - Available

Number of titles : 2792		Number of volumes 499	
8.5.2. Titles and volumes per title (4)			
	Number of new titles added	Number of new editions added	Number of new volumes added
CFYm2	87	87	378
CFYm1	4	4	4+1:5
CFY	1	2	21

Details		CFY	CFYm1	CFYm2	CFYm3
<b>8.5.3. Scholarly journal subscription (3)</b>					
Science	As soft copy				
	As hard copy				
Engg. and Tech.	As soft copy				
	As hard copy				
Pharmacy	As soft copy				
	As hard copy	15	28	6	11
Architecture	As soft copy				
	As hard copy				
Hotel Management	As soft copy				
	As hard copy				

#### 8.5.4. Digital Library (3)

If available, then mention number of courses, number of e-books, etc.:

Availability of Digital Library contents:	YES
Number of e-Books	679 no's
Number of e-journals	294 no's
Number of CDs/DVDs	59
Number of Computers	4
Availability of exclusive server	Yes
Wifi	Yes
No of users per day	40-50

#### Availability of an exclusive server

- Name of the Internet provider: BSNL
- Available bandwidth: 5 mbps
- Access speed: Excellent
- Availability of Internet in an exclusive lab: Yes
- Availability in most computing labs: Yes
- Availability in departments and other units: Yes
- Availability in faculty rooms: Yes (wifi)
- Institute's own e-mail facility to faculty/students: Provided for faculty
- Security/privacy to e-mail/Internet users: Yes

8.5.5. Library expenditure on books, magazines/journals, and miscellaneous content (5)

Year	Particulars				Comments
	Book	Magazines/journals (for hard copy subscription)	Magazines/journals (for soft copy subscription)	Misc. Contents	
CFYm2	1,67,185/-	Rs 63,672/- (6 nos)	294 nos (Delnet ) Rs 19,735	News papers, CIMS Rs 6600/-	-
CFYm1	620/-	Rs 1,02,225/- (32 nos)	294 magazines Delnet Rs 19,735	Rs 6600/- News papers	-
CFY	14,653/-	Rs 56,125/- (36 nos)	294 magazines Delnet Rs 19,735	News papers Rs 6600/-	-

8.6. Internet (5)

- Name of the Internet provider: Available bandwidth: 20 mbps
- Access speed: Fast
- Availability of Internet in an exclusive lab: Yes
- Availability in most
- computing labs: Yes
- Availability in departments and other units: Yes
- Availability in faculty rooms: Yes
- Institute's own e-mail facility to faculty/students: Yes
- Security/privacy to e-mail/Internet users: Yes

8.7. Safety Norms and Checks (5)

8.7.1. Checks for wiring and electrical installations for leakage and earthing (1)

The safety of electrical equipments is taken by properly selecting the Conductor size (wire size) so that the wire will withstand during short Circuits and unbalances. Fuses provide protection from over currents. Every piece of equipment is provided with proper earthing so that it will be provide protection from internal faults.



**Earthing & Earth pits:**

As the college has a central instrumentation rooms and machine room, an ambience precautions have been taken for proper earthing. All the major pieces of equipment are provided with proper earthing materials. 1 nos Earth pits are available in the college. Required amount of charcoal, salt, and earthing rods are made available to the personnel. Six months once the charcoal, salt and earthing rods are checked.

**Regular maintenance is done the annual observations reports of which are presented below.**

S.No	Date	No. of earth pits checked	Observation	Remarks
1	30.4.2012	1	Checking of charcoal, salt and earthing rods	No need for changing the salt and coal and continuous watering daily
2	24.10.2012	1	Checking of charcoal, salt and earthing rods	No need for changing the salt and coal and continuous watering daily
3	21.4.2013	1	Checking of charcoal, salt and earthing rods	Salt and coal filled and continuous watering daily
4	19.10.2013	1	Checking of charcoal, salt and earthing rods	Salt and coal filled and continuous watering daily
5	5.5.2014	1	Checking of charcoal, salt and earthing rods	No need for changing the salt and coal and continuous watering daily

8.7.2. Fire-fighting measurements: Effective safety arrangements with emergency / multiple exits and ventilation/exhausts in auditoriums and large classrooms/laboratories, fire-fighting equipment and training, availability of water, and such other facilities (1)

Our academic buildings have two entrances / exits. Fire fighting is very necessary where huge gatherings are there of students. Labs are the places where large number of students work with flammable Chemicals and equipment where there is more risk for fire. To take care of students and To avoid damage

to the equipment and the other accessories in the labs Fire- fighting equipment should be placed at all the places where large gatherings of students are expected especially in labs. To overcome this Fire extinguisher are kept in each floors nearer to the laboratories and class rooms. In additional to the Fire extinguisher there is plenty of water supply is available in laboratories and nearer to class rooms. Trainings are given to both students and faculties for how to handle the fire extinguishers.

### 8.7.3. Safety of civil structure (1)

Our college takes all the precautions before it goes for constructing a building. The following measures are taken before, during and after construction.

#### **Processes of Construction**

- The plans are developed by eminent civil engineers outside the institution.
- The site is inspected and necessary fortification gets done.
- The soil is monitored by the department of Civil Engineering.
- Necessary approvals are obtained by relevant government bodies.
- Full-time engineers work on the construction.
- The progress of constructions is reviewed both by college administration and the management representatives on a regular scale.
- All the norms laid down by the law-enforcing authorities are adhered to.
- The department of civil engineering monitors structures.
- Stability tests are carried out on in-house facilities.

#### **Safety management of civil structures**

- The college accords prime importance to safety of the constructions.
- The flooring is monitored on a periodic basis and whenever there is need it is relaid.
- The ceiling is monitored and care is taken in order to see that there would not be rashes.
- Window frames are checked and painted whenever there is a need.
- Buildings are white washed on a periodic basis.
- Doors are protected from white ants and painted on a periodic basis.
- Roofs of the buildings are maintained and steps are taken to prevent sewage.
- Proper drainage system is provided to prevent water logging.

## 8.7.4. Handling of hazardous chemicals and such other activities (2)

(Instruction: The institution may provide evidence that it is taking enough measures for the safety of the civil structures, fire, electrical installations, wiring, and safety of handling and disposal of hazardous substances. Moreover, the institution needs to show the effectiveness of the measures that it has developed to accomplish these tasks.)

Our college takes all the care regarding the chemicals or other materials which may turn out to be hazardous in nature.

- Students are required to wear uniform/apron and shoes in order to protect them
- One of the places where chemicals are largely used is the Chemistry Laboratory, Analytical laboratories. The chemicals are given in diluted form to the students at the time of experiments.
- The acids are stored separately in fuming cupboard with exhaust fans.
- In addition to diluting the chemicals, teachers and supporting staff should warn about the possible dangers of mishandling or careless handling of those chemicals.
- Exhaust fans and fuming cupboard are arranged in the chemistry Laboratory (Outside) in order to remove gasses and odorous chemicals from the Laboratory.

All the laboratories are provided with exhaust fans and good drainage system to remove the odorous chemicals and flush out the used chemicals in sink.

- In pharmacology laboratory hand gloves are provided for the students and staff to handle the animals

### **The following care is taken in machine rooms**

- Students are required to wear uniform/apron, gloves, caps and shoes in order to protect them from heavy machines.
- The machines are cleaned and checked periodically for earthing to avoid major accidents
- Periodic lubrication of machines are must to avoid tare of machine
- Mains are switched off when electrical connections are in progress. Fuse wire is provided in the circuit in order to eliminate burning of entire circuit, in the case of over loads.
- All the rotating machines especially tablet punching machine are covered with proper guards to avoid accidents when the operator is dealing with the change of punches, dies and during in process checking of tablets, etc.
- Students are instructed to maintain minimum one meter distance from machines
- Sharp edges are insulated properly to avoid injuries to the students and staff.

- Free movement of students in machine rooms are necessarily provided to overcome injuries held by machines
- Students have to wear hand glove, masks for nose etc. While punching the tablets and working with chemicals and proper ventilation is provided for the composite Laboratory.

## **8.8. Counseling and Emergency Medical Care and First-aid (5)**

Availability of counseling facility

Arrangement for emergency medical care

Availability of first-aid unit

(Instruction: The institution needs to report the availability of the facilities discussed here.)

### **Availability of counseling facility:**

#### **General Counseling and Mentorship:**

Immediately on the admission into the First year of the B.Pharmacy Programme, the college commences its process of mentoring the students by employing the method of Group counseling as well as individual counseling. 20 students are allotted to a teacher counselor. The teacher counselor is advised to monitor the regularity in attendance, uniform, discipline and academic performance of the students and also to motivate in additional professional activities in research, paper and poster presentation in symposium and conferences. In addition to the above, the teacher counselor is expected to offer counseling human values and core principles of success to the students attached to him/her. On additional the following activities are carried out by the mentor.

- To maintain the personality development, a course on Professional Ethics has been made mandatory for all the students
- communication skills have specifically been designed in order that the students acquire a thorough understanding regarding the patterns of social and professional behavior of the students.

#### **Arrangement for emergency medical care**

- The college has own super-specialty hospitals Hospital “RVS HOSPITAL” – 350 bedded, with all department along with most experienced doctors.
- The distance between college and hospital was just 100 yards; on emergency condition it was so ease to attend the patient.
- All department including General, Cardiac, Ortho, Gynecology etc are there with fully sophisticated equipments along with ICU for 24 hours.

- Immediate ambulatory facilities are available in emergency condition within 5 minutes.

**Availability of first-aid unit:**

All the Laboratories and units of the college have First aid boxes with basic items like Cotton, Tincture iodine, healing plasters etc

### 9. Continuous Improvement (75)

This criterion essentially evaluates the improvement of the different indices that have already been discussed in earlier sections.

From 9.1 to 9.5 the assessment calculation can be done as follows

If a, b, c is improvements in percentage during three successive years, assessment can be calculated as

$$\text{Assessment} = (b-a) / (100-\min(b, a)) + (c-b) / (100-\min(c, b))$$

#### 9.1. Improvement in Success Index of Students (5)

From 4. 1

Items	LYG	LYG <sub>m1</sub>	LYG <sub>m2</sub>	Assessment
Success index	1.00	1.00	0.95	4.97

#### 9.2. Improvement in Academic Performance Index of Students (5)

From 4. 2

Items	LYG	LYG <sub>m1</sub>	LYG <sub>m2</sub>	Assessment
API	0.66	0.67	0.66	3.32

#### 9.3. Improvement in Student Teacher Ratio (5)

From 5. 1

Items	CAY	CAY <sub>m1</sub>	CAY <sub>m2</sub>	Assessment
STR	1	1	1	5.0

#### 9.4. Enhancement of Faculty Qualification Index (5)

From 5. 3

Items	LYG	LYG <sub>m1</sub>	LYG <sub>m2</sub>	Assessment
FQI	0.614	0.591	0.605	3.030

**9.5. Improvement in Faculty Research Publications, R&D Work and Consultancy Work (10) From 5.7 and 5.9**

Items	CAY	CAYm1	CAYm2
FRP	8.33	7.22	3.88
FRDC	14.44	11.11	7.77

**9.6. Continuing Education (10)**

Module description	Any other contributory institute/ industry	Developed/ organized by	Duration	Resource persons	Target audience	Usage and citation, etc.
Guest Lecture	Industry	SVCOP	Half a Day	Applications and advantages of herbal medicines over allopathic drugs	Faculty & Students	For Knowledge Enrichment
Guest Lecture	Institute	SVCOP	One Day	Herbal cosmetics	Faculty & Students	-do-
Guest Lecture	Industry	SVCOP	One Day	Biopharmaceutics and Pharmacokinetics principle designing of dosage forms	Faculty & Students	-do-
Guest Lecture	Institute	SVCOP	One Day	Herbal Medicine	Faculty & Students	-do-
Guest Lecture	Institute	SVCOP	One Day	Career opportunities for Graduates in Pharmacy	Faculty & Students	-do-
Guest Lecture	Industry	SVCOP	One Day	Rational Use of medicines in India	Faculty & Students	-do-
Guest Lecture	Industry	SVCOP	One Day	Recent Advances in HPLC Method Development	Faculty & Students	-do-
Guest Lecture	Industry	SVCOP	One Day	Recent Advances in dissolution apparatus and testing	Faculty & Students	-do-
Guest Lecture	Industry	SVCOP	One Day	Role of Nano particles	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Biomedical Waste Management	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Role of Novel carriers in drug delivery	Faculty & Students	-do-
Workshop	Industry & Institute	SVCOP	One Day	Pharmacometrics: An emerging field that facilitate drug development & pharmacotherapy	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Recent Prospects of Novel Carriers in Advanced Drug Delivery	Faculty & Students	For current updates
Seminar	Industry & Institute	SVCOP	One Day	Future Prospects of Pharmaceutical Applications of gene targeting	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Role of Pharmacists in delivering medication therapy	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Recent Advances in Analytical Method Development	Faculty & Students	-do-

Conference	Industry & Institute	SVCOP	One Day	Economic Impact of IPR in Indian Pharma Industry	Faculty & Students	-do-
Seminar	Industry & Institute	SVCOP	One Day	Computer Aided drug design – current aspects of developing new molecules	Faculty & Students	-do-

Assessment =

9.7. New Facility Created (15)

Specify new facilities created during the last three years for strengthening the curriculum and/or meeting the POs:

A new central research lab was established and it is equipped with highly sophisticated instrument and machineries sponsored by Department of Science and Technology (DST) and All India Council for Technical Education (AICTE).

In addition to this Drug and Poison Information center (DPIC) was established.

The Instrument list is as follows:

Solano	Instrument	Make	Sponsored by
Central Research Lab			
1	FT-IR	BUCHI	DST
2	High Performance Liquid Chromatography	Analytical technology	DST
3	UV-Spectrophotometer	Analytical technology	DST
4	High Speed Homogenizer	CAT	DST
5	Ultra Sonicator	Q-Sonica, CAT	DST
	Zeta Sizer	Horiba, Japan	Young Scientist (SERB)
6	Dissolution Test apparatus	Lab India	-
7	Y Maze, Water Maze, Elevated Plus Maze	-	-
8	Digital electro Convulsimeter	-	-
9	Digital Actophotometer	-	-
10	Digital Semiautomatic Chemical Analyser		-
11	16 station Tablet Punching machine	Kalweka	-



**9.8. Overall improvement since last accreditation, if any, otherwise, since the commencement of the programme (20)**

Specify the overall improvement:

<b>Specify the Strengths and Weakness</b>	<b>Improvement brought in</b>	<b>Contributed by</b>	<b>List of PO(s), which are strengthened</b>	<b>Comments, if any</b>
2014-2015	Sophisticated Equipments	DST	PO (s), a, b, d, f, k	NIL
2013-2014	Sophisticated Equipments	DST	PO (s), a, b, d, f, k	NIL
2012-2013	Sophisticated Equipments	DST	PO (s), a, b, d, f, k	NIL
2011-2012	Communication Labs & Library	Management of SVCOP	PO (s), a, h, j, k	NIL

# SRI VENKATESWARA COLLEGE OF PHARMACY

## Declaration

The head of the institution needs to make a declaration as per the format given below:

This Self-Assessment Report (SAR) is prepared for the current academic year (2014-15) and the current financial year 2014-15 on behalf of the institution.

I certify that the information provided in this SAR is extracted from the records and to the best of my knowledge, is correct and complete.

I understand that any false statement/information of consequence may lead to rejection of the application for the accreditation for a period of two or more years. I also understand that the National Board of Accreditation (NBA) or its sub-committees will have the right to decide on the basis of the submitted SAR whether the institution should be considered for an accreditation visit.

If the information provided in the SAR is found to be wrong during the visit or subsequent to grant of accreditation, the NBA has right to withdraw the grant of accreditation and no accreditation will be allowed for a period of next two years or more and the fee will be forfeited.

I undertake that the institution shall co-operate with the visiting accreditation team, shall provide all desired information during the visit and arrange for the meeting as required for accreditation as per the NBA's provision.

I undertake that, the institution is well aware of the provisions in the NBA's accreditation manual concerned for this application, rules, regulations and notifications in force as on date and the institute shall fully abide to them.

Place: Chittoor  
Date: 12.02.2016



Signature, Name, and Designation of the  
Head of the Institution with seal

*W. Bhr*  
**Principal**  
Sri Venkateswara College of Pharmacy  
R.V.S. Nagar, Chittoor.



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# SRI VENKATESWARA COLLEGE OF PHARMACY

Approved by PCI & AICTE, New Delhi,  
Permanently Affiliated to JNTUA, Ananthapuramu,  
Recognized under section 2(f) & 12(B) of UGC Act, 1956  
JNTUA Approved Research Centre for Pharmaceutical Sciences  
Recognized In-House R & D by DSIR, New Delhi

**RVS Nagar, Tirupati Road, Chittoor-517 127 (A.P.) – INDIA**

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