INSTITUTIONAL ACCREDITATION
SELF STUDY REPORT

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC)
An Autonomous Institution of the University Grants Commission
P.O. Box No.1075, Nagarbhavi
Bangalore - 560072

by

NOVA COLLEGE OF PHARMACEUTICAL
EDUCATION AND RESEARCH
(Approved by AICTE, PCI, New Delhi and affiliated to JNTUK, Kakinada) Jupudi
(Village), Krishna (Dt). Vijayawada 521 456, Andhra Pradesh
www.nova.edu.in
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</table>
Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

The institution prepares this SSR after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the institution with seal:

Place:
Date:
EXECUTIVE SUMMARY

Nova College of Pharmaceutical education and Research (NCPER) was established in the year 2007 by "NOVA EDUCATIONAL SOCIETY" to important professional and Technical education. NCPER is a self-financing technical & Professional institution approved by All India Council for Technical Education (AICTE), PCI, New Delhi and affiliated to Jawaharlal Nehru Technological University Kakinada, A.P. NCPER is recognized for its academic excellence Pharmacy (B. Pharmacy & M.Pharmacy), Doctor of Pharmacy (Pharm.D.).

NCPER is located in a sprawling green campus of 0.75 acres in the Vijayawada city. The Institute has excellent infrastructure with a built up area of over 4930.00 sq.mts with state of the art facilities and well established laboratories to cater to the prescribed curriculum. The common amenities are generous with additional construction under progress. However, the advanced training programs comprising of workshops, value added courses, skill upgradation programs, etc., are being conducted with an appropriate action plan.

For the academic year 2016-2017, NCPER has 52 faculty members, 23 technical and supporting staff members, 378 undergraduate and 133 post graduate students. Many of the college faculties are members of various professional societies. The research facilities at NCPER have been growing rapidly since 2013-14. Under the table guidance of renowned industrialist and educationalists as members in the Governing body, the growth of the institute has been well planned to meet and exceed the specific needs of our industry and the growing academic interests of the student community.
The SWOC analysis of the Institute

The strategic plan to improve the quality of education, research & development and innovation is based on the Strength, Weakness, Opportunities and Challenges (SWOC) Analysis. The SWOC analysis was performed through the involvement of all the stakeholders such as students, parents, faculty, HR personnel from the industries, alumni, external peers, university inspection team, and AICTE inspection teams. The SWOC analysis highlighted similar qualities as the strengths in curricular, co-curricular and extracurricular areas in the undergraduate educational system of the institute. Specifically, the achievements like 80-90% graduation rate with approximately 50% having distinction, over 75% placement for all the eligible adulate students and about 25% students, have opted to go for higher education in India and abroad, reflect the high-quality undergraduate programs offered at NCPER.

The following are the Key findings from the SWOC analysis on Strengths, Weaknesses, Opportunities and Challenges.

STRENGTHS

Location, Infrastructure and Promoters:

1. NCPER is strategically located on a sprawling 0.75 acre prime land on National Highway 9. It is about 18 Km from the Vijayawada suburbs and about 25 Kms from the proposed Capital of the newly formed state of Andhra Pradesh, which is going to be a key developing place for all the government and private organizations of AP.

2. The College is 10 years old and has secured a good image in the public. It is the sought after in private pharmacy college in this region, by the students and parents.


4. The institution has got excellent infrastructure for post-graduate,
undergraduate programs and Doctor of Pharmacy. The campus is wi-fi enabled and has a good number of subscriptions to e-journals, e-books, NISCAIR and DELNET.

Academics:

5. Recognized as one of the top 20 institutions out of 220 institutions under JNTUK. More than 80% of students graduate every year, on a consistent basis. Our students secured many university ranks. Additional topics, beyond syllabus are covered by the teachers in regular academic in the college.

6. College lays special emphasis on coaching and other professional development activities for the future development of students.

7. The college recognizes and appreciates top academic performers in each class in the internal evaluation and university examinations.

8. The college has set up smart classrooms and is in the process of converting every class room to a smart class room.

9. The junior teachers are trained in pedagogy the senior faculty and professors.

Faculty members

10. The faculty members are an ideal blend of youth and experience faculty members are Ph.D. holders. Maximum faculty members are ratified by JNTUK. Faculties are highly motivated and published papers in various journals.

11. The faculty retention is excellent. They are given full academic freedom. The institute provides general insurance to all the faculty, students and staff members.

12. Responsibilities and authorities are delegated to HODs and senior pfaculty.

Research
13. College sponsors faculty for Ph.D.
14. College supports faculty and students for their trips to present research papers in National conferences.
15. Incentives and rewards are given for research paper publications in national and international journals.
16. Principal is a recognized research supervisor in various universities (Sunrise, JJTU, Rajasthan and JNTU, Kakinada)
17. Funded research projects applied and are in pipe line (Rs.25.50 laks) from AICTE

**Quality Certification and student centric approaches**

18. The college has applied ISO and expected to get approval.
19. NCPER is recognized by AICTE, PCI and JNTUK.
20. Scholarships/tuition fee waiver is offered to deserving students.
21. Personality and professional development classes are conducted for students.
22. Train students with good organizational capabilities. College is ragging free.
23. Regular counseling to students by the faculty advisors. One faculty advisor is nominated for every 15-20 students.
24. Hostel facility to accommodate 100 boys and 100 girls’ students is available.
25. Excellent placement record - More than 70 % of eligible undergraduate students get placed every year in leading companies.
26. About 25 % of eligible students pursue higher education overseas, after getting qualified through GRE, TOEFL.
28. Presence of a strong alumni base - alumni support the college by way of guiding the students, Industry Institute Interaction, etc.
29. The teachers from the department of Humanities and Social Sciences conduct special coaching classes at the language laboratory to improve the soft skills and employability of students.
30. Parents’ meets are organized once in a semester to take their feedback and
take corrective actions.

31. Medical care is available in the College during the working hours.

32. The college houses an outdoor sports stadium and indoor facility for TT, Basketball etc.,

**Interaction with industry**

33. The college has tie-up with leading Hospitals and Industries.

**WEAKNESSES**

1. The College is affiliated to the JNT University Kakinada and hence has limitation in upgrading the curriculum.

2. Since the college is located in rural area, the communication in English is a major constraint for them. The college is overcoming the situation with special coaching and training in English.

3. Very few pharmaceutical industries are available as the college is located in rural area, but there is a change and improvement of entry of industries in this area.

**OPPORTUNITIES**

Situated near Vijayawada, the proposed capital of the newly formed state of Andhra Pradesh, where the multinational companies are setting up their industries. Also, the area is going to be a hub for the Manufacturing, Pharmaceutical Quality Assurance, Quality control and Pharmacological Screening and Evaluation and Clinical Trails.

The above lists give a comprehensive list of the SWOC analysis of the college.
1. **Profile of the Affiliated College**

1. **Name and Address of the College**

<table>
<thead>
<tr>
<th>Name</th>
<th>NOVA COLLEGE OF PHARMACEUTICAL EDUCATION &amp; RESEARCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Jupudi Village, Ibrahimpatnam Mandal, Krishna District, Pin-521456, Andhra Pradesh</td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.nova.edu.in">www.nova.edu.in</a></td>
</tr>
</tbody>
</table>

2. **for Communication:**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Name</th>
<th>Telephone with STD code</th>
<th>Mobile</th>
<th>Fax</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principal</td>
<td>Dr.B.Senthil Kumar</td>
<td>0866-2881894</td>
<td>7675969268</td>
<td></td>
<td><a href="mailto:pharmacyibm2007@gmail.com">pharmacyibm2007@gmail.com</a></td>
</tr>
<tr>
<td>Vice Principal</td>
<td>Dr.P.Parthiban</td>
<td>0866-2881894</td>
<td>7893567723</td>
<td></td>
<td><a href="mailto:drparthiban82@gmail.com">drparthiban82@gmail.com</a></td>
</tr>
<tr>
<td>Steering Committee Coordinator</td>
<td>Dr.J.Sriniva Rao</td>
<td>0866-2881894</td>
<td>7675969629</td>
<td></td>
<td><a href="mailto:director.ibm@nova.edu.in">director.ibm@nova.edu.in</a></td>
</tr>
</tbody>
</table>

3. **Status of the Institution:**

- Affiliated College : ✔
- Constituent College : ☐
- Any other (specify) : ☐

4. **Type of Institution:**

a. By Gender
   i. For Men : ☐
   ii. For Women : ☐
   iii. Co-education : ✔
b. By Shift
   
   i. Regular : ☑
   ii. Day : ☐
   iii. Evening : ☐
5. **It is a recognized minority institution?**

Yes : □

No : ✓

If yes specify the minority status (Religious/linguistic/ any other) and provide documentary evidence.

6. **Sources of funding:**

Government : □

Grant-in-aid : □

Self-financing : ✓

Any other : □

7. a. **Date of establishment of the College:** 13-10-2007

b. University to which the college is affiliated /or which governs the college (If it is a constituent college)

   Jawaharlal Nehru Technological University, Kakinada, E.G.Dt., A.P

c. **Details of UGC recognition:**

<table>
<thead>
<tr>
<th>Under Section</th>
<th>Date, Month &amp; Year (dd-mm-yyyy)</th>
<th>Remarks (If any)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

d. **Details of recognition/approval by statutory/regulatory bodies other than UGC (JNTUK PCI etc.)**

<table>
<thead>
<tr>
<th>Under Section/ clause</th>
<th>Recognition/Approval details Institution/Department Programme</th>
<th>Day, Month and Year (dd-mm-yyyy)</th>
<th>Validity</th>
<th>Remarks</th>
</tr>
</thead>
</table>
Enclosed the JNTUK & PCI recognition/approval letter

8. **Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

   - Yes : ☐
   - No : ☑

   If yes, has the College applied for availing the autonomous status?

9. **Is the college recognized?**
   a. by UGC as a College with Potential for Excellence (CPE)?
      - Yes : ☐
      - No : ☑
      If yes, date of recognition:

   b. for its performance by any other governmental agency?
      - Yes : ☐
      - No : ☑
      If yes, Name of the agency ...................... and Date of recognition: ...................... (dd/mm/yyyy)

10. **Location of the campus and area in sq.mts:**

    | Location *                                  | Urban         |
    |---------------------------------------------|---------------|
    | Campus area in sq. mts.                     | 3035.142      |
    | Built up area in sq. mts.                   | 4930.00       |

   (* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

11. **Facilities available on the campus** (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under
the agreement.

- Auditorium/seminar complex with infrastructural facilities:
  Yes: ☑  No: □

- Sports facilities
  * Playground    Yes: ☑  No: □
  * Swimming pool Yes: □  No: ☑
  * Gymnasium    Yes: ☑  No: □
• Hostel
  * Boys’ hostel
    i. Number of hostels   Yes : ✓  No : □
    ii. Number of inmates  Yes : ✓ 50  No : □
    iii. Facilities (mention available facilities)
         Wi-Fi, Medical Facilities, Power Backup, General store, Canteen etc.

  * Girls’ hostel
    i. Number of hostels   Yes : ✓  No : □
    ii. Number of inmates  Yes : ✓ 60  No : □
    iii. Facilities (mention available facilities)
         Wi-Fi, Medical Facilities, Power Backup, General store, Canteen etc.,

  * Working women’s hostel   Yes : ✓  No : □
    i. Number of inmates  5
    ii. Facilities (mention available facilities)

• Residential facilities for teaching and non-teaching staff (give numbers available — cadre wise)  Yes : □  No : ✓
  - Cafeteria —   Yes : ✓  No : □
  - Health centre –  Yes : ✓  No : □

**First aid,** Inpatient, Outpatient, Emergency care facility, Ambulance ……… Health centre staff –

Qualified doctor       **Full time**

Qualified Nurse       **Full time**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Facilities like banking, post office, book shops</td>
<td>Yes</td>
<td>✓</td>
<td>No</td>
</tr>
<tr>
<td>2. <strong>Transport facilities</strong> to cater to the needs of students and staff</td>
<td>Yes</td>
<td>✓</td>
<td>No</td>
</tr>
<tr>
<td>3. Animal house</td>
<td>Yes</td>
<td>✓</td>
<td>No</td>
</tr>
<tr>
<td>4. <strong>Biological waste disposal</strong></td>
<td>Yes</td>
<td>✓</td>
<td>No</td>
</tr>
</tbody>
</table>
Facilities like banking, post office, book shops: ATM and Book Shop are available. The college has 4 owned and 4 hired coaches for transporting staff and students and 04 light vehicles available in the College.

**Generator or other facility for management/regulation of electricity and voltage**

The campus is powered with 11 kv electricity line Exclusive from AP State Electricity Board. The independent feeder line has also been installed and commissioned. The college also has diesel generator with a 75 KVA. These provide stand-by generating capacity to meet entire requirement of the campus including labs.

### 12. Details of programmes offered by the college (Give data for current academic year)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Programme Level</th>
<th>Name of the Programme / Course</th>
<th>Duration</th>
<th>Entry Qualification</th>
<th>Medium of instruction</th>
<th>Sanctioned / approved Student strength</th>
<th>No. of students admitted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Under-Graduate</td>
<td>B.Pharmacy</td>
<td>4 years</td>
<td>Inter</td>
<td>English</td>
<td>100</td>
<td>91</td>
</tr>
<tr>
<td>2</td>
<td>Post-Graduate</td>
<td>M. Pharmacy</td>
<td>2 years</td>
<td>B. Pharmacy</td>
<td>English</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>M. Pharmacy (Pharmaceutics)</td>
<td>--do---</td>
<td>--do---</td>
<td>--do---</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>3</td>
<td>Post-Graduate</td>
<td>Pharm.D</td>
<td>5.5 years</td>
<td>Inter</td>
<td>English</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>---</td>
<td>--------------</td>
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<td>-----------</td>
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<td>---------</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (Ph. Analysis &amp; Quality Assurance)</td>
<td>--do--</td>
<td>--do--</td>
<td>--do--</td>
<td>18</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (Pharmacology)</td>
<td>--do--</td>
<td>--do--</td>
<td>--do--</td>
<td>18</td>
<td>09</td>
<td></td>
</tr>
</tbody>
</table>
13. Does the college offer self-financed Programmes?
   Yes: ☐   No: ☑
   If yes, how many?

14. New programmes introduced in the college during the last five years if any?
   Yes: ☑   No: ☐   Number 1 (Pharm.D)

15. List the departments:
   1. B.PHARMACY
   2. M.PHARMACY
   3. PHARM.D

16. Number of Programmes offered under
   (Programme means a degree course like BA, BSc, MA, M.Com…)
   a. Annual system  N/A
   b. Semester system  8
   c. Trimester system  N/A

17. Number of Programmes with
   a. Choice Based Credit System  N/A
   b. Inter/Multidisciplinary Approach  N/A
   c. Any other (specify and provide details)  N/A

18. Does the college offer UG and/or PG programmes in Teacher Education?
   Yes: ☐   No: ☑
   If yes,
   a. Year of Introduction of the programme(s) ………… (dd/mm/yyyy)
      and number of batches that completed the programme b.
      NCTE recognition details (if applicable)
      Notification No.: …………………………… Date: …………
      (dd/mm/yyyy) Validity: ……………………………
c. Is the institution opting for assessment and accreditation of Teacher Education Programme separately?
Yes: ☐ No: ☑

19. Does the college offer UG or PG programme in Physical Education?
Yes: ☐ No: ☑
If yes,
a. Year of Introduction of the programme(s)…………………
(yyyy/mm/dd) and number of batches that completed the programme b. NCTE recognition details (if applicable)
Notification No.: ……………………… Date: …………………
(yyyy/mm/dd) Validity: ………………………

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?
Yes: ☐ No: ☑

20. Number of teaching and non-teaching positions in the Institution

<table>
<thead>
<tr>
<th>Positions</th>
<th>Teaching faculty</th>
<th>Non-teaching staff</th>
<th>Technical staff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Professor</td>
<td>Associate Professor</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>*M</td>
<td>*F</td>
<td>*M</td>
</tr>
<tr>
<td>Sanctioned by the UGC / University / State Government</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Recruited</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Yet to recruit</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Sanctioned by the Management/ society or other authorized bodies Recruited</td>
<td>3</td>
<td>0</td>
<td>08</td>
</tr>
<tr>
<td>Yet to recruit</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

*M-Male  *F-Female

21. Qualifications of the teaching staff:

<table>
<thead>
<tr>
<th>Highest qualification</th>
<th>Professor</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Permanent teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M. Pharmacy</td>
<td>0</td>
<td>0</td>
<td>08</td>
<td>05</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

19
22. Number of Visiting Faculty /Guest Faculty engaged with the College:
   - NIL -

23. Furnish the number of the students admitted to the college during the
    last four academic years.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>SC</td>
<td>20</td>
<td>20</td>
<td>22</td>
<td>24</td>
</tr>
<tr>
<td>ST</td>
<td>10</td>
<td>8</td>
<td>13</td>
<td>5</td>
</tr>
<tr>
<td>OBC</td>
<td>3</td>
<td>4</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>General</td>
<td>14</td>
<td>12</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Others</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>91</td>
<td>87</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

24. Details on students enrollment in the college during the current
    academic year:

<table>
<thead>
<tr>
<th>Type of students</th>
<th>UG</th>
<th>PG</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students from the same state where the college is located</td>
<td>60</td>
<td>70</td>
<td>130</td>
</tr>
<tr>
<td>Students from other states of India</td>
<td>04</td>
<td>0</td>
<td>04</td>
</tr>
<tr>
<td>NRI students</td>
<td>0</td>
<td>0</td>
<td>00</td>
</tr>
<tr>
<td>Foreign students</td>
<td>27</td>
<td>1</td>
<td>28</td>
</tr>
<tr>
<td>Total</td>
<td>91</td>
<td>71</td>
<td>162</td>
</tr>
</tbody>
</table>

25. Dropout rate in UG and PG (average of the last two batches)
    UG : NIL     PG : NIL

26. Unit Cost of Education
    (Unit cost = total annual recurring expenditure (actual) divided by total
     number of students enrolled)
    (a) Including the salary component Rs. 50,900=00
    (b) Excluding the salary component Rs. 14970=00
27. Does the college offer any programme/s in distance education mode (DEP)?
   Yes: □ No: ☑
   If yes,
   a) is it a registered centre for offering distance education programmes of another University
      Yes: □ No: ☑
   b) Name of the University which has granted such registration. c) Number of programmes offered
   C) Programmes carry the recognition of the Distance Education Council.
      Yes: □ No: ☑

28. Provide Teacher-student ratio for each of the programme/course offered

<table>
<thead>
<tr>
<th>Programme</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Pharm</td>
<td>1:15</td>
</tr>
<tr>
<td>M.Pharm</td>
<td>1:12</td>
</tr>
<tr>
<td>Pharm.D</td>
<td>1:12</td>
</tr>
</tbody>
</table>

29. Is the college applying for Accreditation:
   Cycle 1 ☑ Cycle 2 □ Cycle 3 □ Cycle 4 □
   Re-Assessment:
   (Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only) NOT APPLICABLE
   Cycle 1: ................. (dd/mm/yyyy)
   Accreditation Outcome/Result ........
   Cycle 2: ................. (dd/mm/yyyy)
   Accreditation Outcome/Result ........
   Cycle 3: ................. (dd/mm/yyyy)
   Accreditation Outcome/Result ........
   * Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.

31. Number of working days during the last academic year: 287
32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days): 230

33. Date of establishment of Internal Quality Assurance Cell (IQAC):

09/08/2015

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC:

<table>
<thead>
<tr>
<th>NOT APPLICABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i)</td>
</tr>
<tr>
<td>AQAR (ii)</td>
</tr>
<tr>
<td>AQAR (iii)</td>
</tr>
<tr>
<td>AQAR (iv)</td>
</tr>
</tbody>
</table>

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory/descriptive information)

- Many Students of NCPER have achieved recognition in sports through winning Medals.
- Students of NCPER have secured Gold medal for achieving Academic Excellence sponsored by Helping Hand Foundation for the academic year 2014-15.
- Nova is one among very few Institutions in A.P. to establish Virtual Lab with collaboration of Industries.
- **Prof. Gnachandren** is a recognized corporate trainer, having vast experience in abroad (Ministry of Health Sciences)
Criterion I Curricular Aspects

1.1 Curriculum Planning and Implementation

1.1.1. State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Nova College of Pharmaceutical Education and Research was established in the year 2007 as a private self-finance institution near Vijayawada, Krishna District of Andhra Pradesh. The main aim of establishing the institution was to impart quality technical education to the rural students of the district, who mostly belong to the telugu medium and economically weaker section.

The institution has a specific vision, mission and objectives that are communicated to the students, teachers, staff, parents and all the other stakeholders.

Institute Vision

To be a Center of Excellence in the pharmacy education and research, empowering students to become leaders in patient-centered inter-professional care. Striving for innovative research in pharmacy with values of interdisciplinary work. Work towards the health and wellness of the people and communities

Institute Mission

- Providing dynamic education facilities to excel the students in education and research.

- Effectively utilizing the human resources and technological developments in innovating new health care systems and newer drugs for the benefit of human beings across the globe.

- Attracting and retaining the outstanding and diverse faculty and staff.

- Encouraging students to progress towards research and become next generation educators, scientists and practitioners.
Quality Objectives

India has vast potential of human resources which are hidden and at dormant stages among the young Indian generation with intrinsic strength and thirst for quality development of academic institutions. Nova educational society consisting of educationists and philanthropists started Nova group of academic institutions in the year 1998 to impart knowledge to rural and urban population of India. Since 1998 Nova Educational Society commenced various colleges in the stream of science and technology, Pharmacy, Management, Education, Physical education etc., in different campuses sprawling across the states of the Andhra Pradesh and Telangana. Ever since, Nova Educational Society is growing by leaps and bounds with an aim to provide quality education to the young and energetic students.

In the year 2007-2008, Nova College of Pharmaceutical Education & Research started with Pharmacy UG course of 4 years with an intake of 60 students per annum at Jupudi, Ibrahimpatnam, Krishna Dist., Campus to cater to the academic needs of rural area population. Much emphasis was given to upgrade the knowledge potential of the rural people and to empower them to emerge out as competent pharmacy professionals to offer health care services in suburban areas. The sole aim of the Nova educational society is to provide quality education at NCPER to rural and downtrodden students. The concept and policy of NCPER in uplifting the quality of the students by forming quality control circle implementing standard education system and effective management organization.

STRATEGIES OF QUALITY POLICY ADOPTED AT NCPER

1. At NCPER we make students strong in the basic fundamentals of Pharmaceutical sciences with core competency in research enabling them to survive on their own strength with self-confidence to become global leaders.

2. Total quality education is offered to students by qualified competent enthusiastic faculty members of the college.

3. Highly experienced and expert faculty staff infuses the power of knowledge to the students which make the students confident to compete in the competitive global market.
4. Mode of teaching with a combination of traditional methods as well as modern method to make the students more competent. Audio visual method of teaching is implemented to enable the students to hear and see for efficient learning process.

5. Students’ quality control circle is formed to ensure that all students succeed in the examinations successfully.

6. Modus operand of every theory classes comprises of
   a) Review of previous class lecture
   b) Presentation of that day’s lecture by the staff
   c) Question & Answers session.

7. Eminent resource persons of pharmacy profession are invited to deliver expert lecture to the students at frequent intervals.

8. Organize periodical seminar and presentation by the students to enhance their teaching and explanatory skills.

9. Regular workshops, seminars by expert pharmaceutical professionals of industry and academic institutions to give the extra knowledge to the students to become best among equals.

   Quality policy of quality education & quality teaching, quality learning from beginning of the degree course and become core competent person of the profession at the end of the course is the main aim and objective of NCPER.

1.1.2 How does the Institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s)

   Nova College of Pharmaceutical Education and Research is affiliated to Jawaharlal Nehru Technological University Kakinada. The university prepares a course structure and syllabi for both UG, PG in Pharmacy And Pharm.D programs. The course and curriculum details also includes the number of contact hours both for theory and laboratory classes. It also includes the number of credits for theory paper and laboratory classes.
Based on the syllabus provided by the university the Institution develops a detailed action plan for effective implementation of curriculum. The Heads of the Departments after taking the consent of the department teachers, allocates subjects based on their choice to the extent possible. The HOD and other staff members develop strategies for effective implementation of the curriculum and good results. The institution has implemented an ISO monitoring system at the subject. Level and departmental level. Under this model, finite processes are followed and effectively practiced. Details of these processes are as follows:

- Every Course has defined its specific Vision and Mission in tune with the institution Vision and Mission.

- Program Education Objectives (PEO_s) are formed in consultation with management, faculty members, students, technical staff, stakeholders (alumni, parents, employers etc..). These are redefined from time to time on the basis of feedback received from various stakeholders.

- Each program of the department is elaborated in terms of Program Outcomes which are aligned with graduate attributes. Furthermore, Course Outcomes (COS) for every subject taught are formed by individual faculty members.

- A matrix representing the correlation between the Course Outcomes and Program Outcomes is established. Various degrees of matching are defined and elaborated. Through this technique, contribution of a course/subject to a curriculum can be ascertained diagrammatically.

Teachers are encouraged to use innovative teaching methods such as video presentations, QEEE classes, assignments, group discussions, seminars and JNTUK COE-ERD plan in addition to the regular chalk and black board teaching.

Considering the number of weeks in each semester the lesson plan is prepared by the individual teacher for subjects handled by them. Academic schedule is strictly followed to complete the syllabus.
Lesson plans are prepared by the teacher that include the objective of each unit, detailed break-up of subject, unit wise, number of classes needed for each unit, text books and reference books followed, content beyond syllabus (both theory and labs) etc.

Course files are also prepared by the teacher that include syllabus, course outcomes, program outcomes, mapping of course outcomes with program outcomes, lesson plan, time table, university question papers, internal assignment and mid examination question papers and question bank on each unit. Every student admitted into the institution is given a hand book that contains academic calendar to be followed by students and faculty. At the time of first year admissions the induction program is arranged for all the students and parents admitted into the institution. The students and parents are informed about the importance of Pharmacy education, rules and regulations of the Institution and university. A copy of the syllabus is given to the students (for all the years). The students are also provided academic calendar that contain academic schedule for entire semester. Teachers also prepare monthly academic schedule which gives the details of unit importance, assignment submission, mid examination tests and question bank for each unit.

The progress of the syllabus coverage is monitored by the HOD once in every 15 days and by the Principal once in every month. The Principal and HODs also monitor the attendance of the students from the class attendance registers. Apart from the curriculum, the faculty also educates the students on latest developments in their core domain by way of guest lectures from industry personnel, R&D personnel. Feedback from the students is obtained and is reviewed at various levels for enhancement of teaching learning process.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

The institution follows the core curriculum which is prescribed by the affiliating university. The university gives detailed syllabus along with the text books and reference books for each subject. The time schedule is also given for the commencement and end of semester with dates for conduct of mid examinations by the university. The University organizes workshops and
seminars on teaching-learning methodology wherein our faculty members participate and
enrich their knowledge. University also conducts workshops and seminars on advanced topics
and our faculty attend them. University has a portal which provides course curriculum,
syllabus, notices and other official details along with study material for faculty and students.

Following procedural and practical support is provided by the institution for effective
translation of the curriculum and improving teaching practices:

1. **Infrastructural support:**

   The institution provides excellent infrastructural support both in terms of classrooms,
laboratories and other amenities like faculty cabins etc. A majority of Class rooms are equipped
with LCD/OHP projection systems, with laptop connectivity, Wireless audio systems and
board. Institution provides a Wi-Fi connection for use of faculty, students and staff. These
facilities enhance lecture delivery and effective communication. Besides this each faculty
member has course file which contains detailed notes, previous year question papers that are
distributed and discussed with students at length. To supplement this process, tutorials are
conducted on weekly basis to rectify any gaps in understanding.

2. **Administrative support:**

   The institution approves the budget projected by a particular department. All requirements
related to procurement of equipment and components to enhance the quality of labs are
readily approved by the administration. Besides this all amenities such as electricity backup,
water supply, cleanliness and maintenance of campus is accomplished by administration.

3. **Faculty Development Program:**

   The institution conducts various FDP_s from time to time both at institutional and
departmental level for upgrading the technical knowledge of faculty members as per
current trends in technology. Institution also deputes faculty for short term
courses to enrich their knowledge. It also invites experts from industry and R&D labs to
deliver guest lectures on topics of National interest on subject domain. Institution also
encourages faculty to take professional membership in APTI, IPA etc., to enrich their knowledge.

4. Central computing facilities:

The institution has provided an internet lab with sufficient number of terminals. Besides this there is a central library which has abundance of books, reference books and sufficient volume of journals, technical magazines etc. Apart from this every department has its own library. The institution has a good number of desktops/ laptops available for each faculty to prepare for lecture notes, question banks, quiz questions etc.

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

The institution takes all the care for effective delivery of the curriculum provided by the university. The institution is making following efforts to facilitate the faculty for effective curriculum delivery:

- Academic calendar for the entire semester is planned well in advance with the number of contact hours needed for each unit. A committee is constituted by the Institution for planning and execution of course curriculum designed by the university. This committee prepares the details of academic calendar with detailed instructions, dates of examinations and the methodology to assess the student's academic performance.

- Detailed lecture-wise schedule and course material (preferably hand written notes) are prepared by the faculty for the subject allotted to them. Institution encourages the faculty to prepare their own study material, models and charts looking into the needs of the students.

- Modern teaching aids such as LCD projector with computer connectivity, audio-system and microphone provided in most of the classrooms and are supplemented
digital library, video lectures.

- The attendance registers are inspected closely and thoroughly by the head of the department once in a fortnight to check teaching schedules and number of lectures delivered.

- Regular meetings are conducted by the HOD with the faculty members to ensure coverage of topics as per syllabus.

- Faculty are encouraged to pursue Ph.D. programs and/or encouraged to take up the research work individually or in collaboration for improving their professional skills. Institution also conducts personality development programs for faculty and students.

- All the faculty members of various departments are encouraged to participate in National / International Conferences, Seminars, Training Programs, and also to organize National / International Conferences. Furthermore, faculty members are encouraged to publish their research findings in National and International journals.

- Study leave is extended to faculty members who wish to pursue Ph.D. programs.

The above steps initiated by the institution have yielded good results in effective curriculum delivery by the faculty.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

Industry:

The college has set up a Training and Placement cell which maintains professional relations with the representatives of industry. The HR managers of various companies are invited to the college campus to interact with the students. Reputed industries are conducting in-campus recruitment programs on a wider scale.

Research Organisations:

To keep the research component alive in the campus, the faculty members of the college are
motivated to take up research projects. Faculty members on their own also keep on interacting with various research bodies and participate in research projects of diverse domain. Most of the faculty members are research fellows of the professional bodies like APTI, IPA. They are regularly attending conferences, seminars, workshops etc., offered by these bodies which in turn helps them in self growth and in turn disseminate to students.

**University:**

The faculty members of the college keep interacting with their counter parts at the affiliating university regularly and get latest information regarding subjects taught by them. They keep visiting the university portal from time to time to keep themselves abreast of the latest changes in syllabus. They are made to interact with the faculty and students in a question-answer session. Based on the need and requirements of the HODs and faculty the institution will contact subject experts from universities, research organizations and industries to get their inputs to supplement the university curriculum. Experts are also invited to the Institution to deliver guest lectures.

Institution encourages faculty to conduct industrial visits, conferences, seminars and workshops to bridge the gap between academia and industry. This facilitates understanding of current technological developments and understanding of practices in the corporate sector at large.

- Regular feedback is obtained from the employers about the alumni of the college employed by them. The suggestions on curriculum and needs of additional training are also covered in the feedback.

- Regular feedback is obtained from the alumni of the college. The aspects of curriculum and needs of training are also covered in the feedback.

- Feedback is obtained from the parents about the graduates of the college. The requirements of personality development and other student specific training are also covered in the feedback.
Feedback obtained is analyzed and necessary action is taken to communicate the modifications required in the curriculum to the university.

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (Number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.

The institution is affiliated to JNT University Kakinada and follows the syllabus prescribed by the same. The institute periodically organizes guest lectures, workshops etc. by inviting eminent people from industry and universities. The HOD s and faculty members interact with the experts and seek their opinion about the syllabus framed by university. Their opinion is taken into account and forwarded to the university for consideration during syllabus revision by the university. In case of a gap is noticed in the syllabus, it is supplemented by conducting add on courses beyond curriculum.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If “yes”, give details on the process (Needs Assessment, design, development and planning) and the courses for which the curriculum has been developed.

No. The institution is affiliated to Jawaharlal Nehru Technological University, Kakinada. As affiliated institution, we adhere to the curriculum and syllabus prescribed by the University. However, as and when the university asks the institution opinion for changes in syllabus, we do suggest modifications. Projects, industrial visits, guest lectures, workshops, faculty development programs, participation in seminars, symposium, National and International conferences by faculty and students are conducted by the institution. Add-on courses, conduct of soft skill programs, technical skills programs and add value to the existing courses.

1.1.8 How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

All the academic programs developed by the university are in line with the institutional goals and objectives. The curricula prepared by the university, are always implemented in
Consultation with the academicians and technical experts selected from industry, keeping in view the requirements of both the industry and society. This enables our graduates to fulfill the demands of the competitive employment market at national and international level. The institution analyses the objects of the curriculum as follows:

- Analyzing the university theory, practical and online examination results.
- Analyzing the results of internal unit tests.
- Taking feedback from training and placement officers, employees, students, Alumni and all the stakeholders.
- Students participation in paper presentation, projects, quiz competition etc, and analyzing their performance.
- Analyzing the data of students who go for higher studies and employment.
- The important bodies of the institute such as governing body and academic committees take necessary corrective actions by using the analyzed data through conduct of remedial classes, counseling of students and conduct of value based add-on courses.

1.2 Academic Facility

1.2.1 Specifying the goals and objectives give details of the certificate /diploma / skill development courses etc., offered by the institution.

The curriculum prescribed by JNTU Kakinada is strictly followed by the institution. The institution is not authorized to conduct any certificate/diploma courses. However, in the interest of the students, the institution in association with industries and R&D organizations conduct foundation programs. Programs are offered by the institution to enrich skill development for placement in industries. In addition, certificate programs are offered to students in association with DSR etc., Following objectives/goals are broadly followed by all departments across the institution:-

- To conduct one National Conference in an academic year.
• To conduct a workshop / training for faculty (within or outside) once in a year.
• To organize at least two guest lecture bi-monthly in each semester.
• To motivate the students to go for higher qualification.
• To encourage faculty to attend workshops every year.
• To organize industrial visits, technical seminars for students.
• To conduct national level Pharma meet for students under ISTE students chapter.
• To ensure that more than 70% of students are placed in reputed companies.

• To ensure that most of the students participate in presenting papers.

1.2.2 Does the institution offer programs that facilitate twinning/dual degree? If yes, give details.

No.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skill development, academic mobility, progression to higher studies and improved potential for employability

• Range of Core/Elective options offered by the University and those opted by the college

• Choice Based Credit System and range of subject option
• Courses offered in modular form
• Credit transfer and accumulation facility
• Lateral and vertical mobility within and across programmes and courses
• Enrichment courses

The institution offers core curriculum in addition to the electives as prescribed by the university.

• The final year students can select elective papers of their choice that are listed in the syllabus.

• The institution also conducts laboratory classes wherein the student does laboratory experiments by himself. In addition to the prescribed experiments by the university, the institution also conducts experiments over and above the list provided by the university.

• Every student has to get the required number of credits both in Theory and Lab & other subjects as stipulated by the university. There is no provision for credit transfer and accumulation facility.

• All courses offered in the institution are in modular form and are further divided into sub-modules in the institution. Enrichment courses also offered by the institution by way of conducting seminars and workshops.

• Project Work, Mini Project, Seminar & Comprehensive Viva-Voce is compulsory in the final year of the B.Pharmacy programme so that the students would acquire skills to solve problems independently. In each semester, viva-voce for labs is conducted. This serves as a reference platform for an appropriate project selection at the final year level.

• Institution also offers foundation courses, communication skills, soft skills that are beyond the scope of curriculum. This step is initiated by the institution to enhance the employability of students.

The detailed number of courses in the core subjects, laboratory and electives are shown in the following table:
<table>
<thead>
<tr>
<th>Program</th>
<th>Semester/Year</th>
<th>Laboratory</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Pharmacy</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>6&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>7&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>5(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>8&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>5(T), 1(P), UG Level Project</td>
</tr>
<tr>
<td>M.Pharmacy</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; semester</td>
<td>4(T), 2(P)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Semester</td>
<td>4(T), 2(P)</td>
</tr>
<tr>
<td></td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; Semester</td>
<td>PG Level Project</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td></td>
</tr>
<tr>
<td>Pharm.D</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; Year</td>
<td>6(T), 5(P) (Maths &amp; Biology)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Year</td>
<td>6(T), 3(P)</td>
</tr>
<tr>
<td></td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; Year</td>
<td>6(T), 5 (P)</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Year</td>
<td>6(T), 4 (P)</td>
</tr>
<tr>
<td></td>
<td>5&lt;sup&gt;th&lt;/sup&gt; Year</td>
<td>4(T), Hospital Posting</td>
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<tr>
<td></td>
<td>6&lt;sup&gt;th&lt;/sup&gt; Year</td>
<td>Intership for SIX month</td>
</tr>
<tr>
<td>M.Pharmacy</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; Semester</td>
<td>Project</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>Project</td>
</tr>
<tr>
<td>M.Pharmacy (Ph. Analysis &amp; Quality Assurance)</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>3rd Semester</td>
<td>Project</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>Project</td>
</tr>
<tr>
<td>M.Pharmacy (Pharmacology)</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>2&lt;sup&gt;nd&lt;/sup&gt; Semester</td>
<td>4 (T), 2 (P)</td>
</tr>
<tr>
<td></td>
<td>3rd Semester</td>
<td>Project</td>
</tr>
<tr>
<td></td>
<td>4&lt;sup&gt;th&lt;/sup&gt; Semester</td>
<td>Project</td>
</tr>
</tbody>
</table>
1.2.4 Does the institution offer self-financed programmes? If, yes”, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Yes. The institution is a self financed unaided private institution offering courses in Pharmacy both at UG (B.Pharmacy) and PG (M.Pharmacy) levels in addition to Ph.a r m . D programmes. The institution is approved by the government of A.P. and affiliated to Jawaharlal Nehru Technological University, Kakinada.

Admissions:
Admissions are made based on merit as per guidelines prescribed by the statutory bodies like AICTE, PCI, JNTUK and Government of A.P. The process of admissions to all the programs offered by the institution are controlled by the Government of Andhra Pradesh. Admissions are made by the conveners of the various common examination tests conducted by the government of Andhra Pradesh. The details of admissions made into the institution by government of A.P. are displayed on their website and also on our college website.

Curriculum:
The institution follows the curriculum designed by the affiliating Jawaharlal Nehru Technological University, Kakinada and implemented by the institution through a systematic plan of action which includes semester plan, lesson plan, course file, assignments, internal assessment test schedule. The faculty are encouraged to use different instructional aids like LCD projectors, OHP, Computer and audio equipments for effective planning, implementation and delivery of the curriculum.

Fee Structure:
The fee structure for the students admitted is fixed by the government of A.P.In all admissions the reservation policy as stipulated by Government of AP is followed.

Teachers Qualifications:
As per AICTE/PCI/JNTUK norms and regulations.
Salary:
The AICTE, PCI qualification is mandatory for teachers. They are duly approved by the JNTUK and the State Government. The Assistant Professors, Associate Professors and Professors are offered AICTE pay scale.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If „yes” provide details of such programme and the beneficiaries.

Yes, the institution provides additional skills orientation programs like value added courses that are relevant to the local and global employment market. Institution provides programs like:

- Drug Design
- Personality development Program
- Drug Safety Research
- Managerial skill development program
- Aptitude development program
- Android training program
- Digital India training program
- Quantitative, logical and analytical skill development programs
- Industrial visits and Internships
- Project exhibitions and showcasing

All departments of the institute conduct lectures delivered by experts from various industries and research organizations. This makes the students aware in terms of novel technologies and latest developments in research. These programs offered by the institution were found to be useful for the students and make them more employable both in the National market and International Market.

1.2.6 Does the University provide the flexibility of combining the conventional face-to-face and Distance Mode of education for students to choose the course/combination of
their choice, If „yes”, how does the institution take advantage of such provision for the benefit of students?

No. The institution is affiliated to Jawaharlal Nehru Technological University, Kakinada and there is no provision for flexibility of combining the distance mode of education and conventional face-to-face education for students.

1.3. Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programs and Institutions goals and objectives are integrated?

To build the competencies of the students NCPER emphasizes on nurturing the total development of the students along with excellence in their academic performance. To achieve these goals and objectives, the institution has evolved additional inputs in the syllabi. The institution supplements the university curriculum by conducting various academic programs to achieve the institution’s goals and objectives. These are:-

- Value added and skill development programs
- Co-curricular activities like paper presentation, projects, quizzes organized for the benefit of the students.
- Conduct of workshops and seminars
- Coverage on topics beyond the syllabus
- Conduct of additional experiments in laboratory classes
- Training in soft skills, quantitative, logic and analytical skills.
- Training the students in computer based subjects
- Value added courses
- Guest/ Expert Lectures
- Field and industrial visits
- Personality development programs
• Virtual labs
• Centre of excellence

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The institution collects the feedback regarding curriculum from alumni, students, employers, industries and R&D organization etc. The feedback from above is consolidated and forwarded to the University for incorporating in syllabus as and when revision takes place. Faculty from the departments also give their opinion in course curriculum and syllabus formation to the university as and when asked. Institution offers programs on soft skills, technical skills, paper presentation, project, mathematical quiz and organize seminars on advanced topics in science and Pharmacy.

The training and placement officer of the institution regularly interacts with the HR managers of the companies and obtain their opinion about syllabus and the need to change it to match into their requirements. Keeping these demands in mind, PDP and CCP classes are conducted to make up the deficiencies in the students to make them employable. The institution can only enrich and organize the curriculum by supplementing it with extra courses as discussed previous point. So that the students are benefited in the best possible manner. The institution is totally computerized and well connected to office and academic blocks, computer and other laboratories.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issue such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum.

The institution is a co-educational institution and boys and girls are encouraged to work together in various activities. There is no discrimination among boys and girls in various committees constituted by the institute. This holistic approach has led increased opportunities in employment and entrepreneurial development among the students. Students are offered environmental science in Pharmacy as a subject. The main objective
of this course is to learn and preserve the nature. Institution is keen in maintaining environmental conditions by creating Drug design Approach, tree plantation, clean environment and Swatch Bharat.

There is a woman empowerment and grievances and redressal cell headed by a senior woman faculty. Both boys and girls together participate in tree plantation, organizing medical camps, blood donation camps etc. Apart from this, the institution takes necessary efforts in the form of quiz, debate and poster competition on the issues like Gender sensitization, Climate Change, Environmental Education, Human Rights, and ICT etc. Every department is responsible of conducting these types of events from time to time.

1.3.4 What are the various value-added courses/enrichment programs offered to ensure holistic development of students?

- Moral and ethical values
- Employable and life skills
- Better career options
- Community orientation.

Moral and Ethical Values:

The institution conducts courses and programs on human values, moral values, ethical values and stress management. Experts are invited to the institution to inculcate these values among the students.

Community orientation:

Institution has a NSS unit that organizes social activities like blood donation camps and tree plantation and annual camps. Institution has identified a village in our district and one school near to our institution wherein the faculty and students educate the villagers with regard to clean environment, drinking purified water, sanitation etc, in order to improve the living standards of villagers. Our PG students sometimes will handle classes
in the nearby schools with day to day examples from Pharmacy and science.

**Employable and life skills:**

Institution also organizes entrepreneur development program and intellectual property rights awareness program. Students are encouraged to participate and learn photography, choreography, drawing and yoga. Workshops are organized in the institute on yoga and life style living, stress management by qualified professionals.

**Better career options:**

Short term courses on communication skills, technical skills, projects and presentations are few more steps in betterment of career opportunities of students. Various multidisciplinary, advanced technologies, industry relevant training programmes are conducted by various centres of excellence established in the college. The training and placement officer in the institution invites people from various industries and R&D organizations to conduct seminars and workshops describing about the career paths for students.

**1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

The institution collects feedback on curriculum, knowledge development, skill development etc., from all the stakeholders which include alumni, parents, employers, R&D organizations and represents to the university during the faculty meeting and board of studies. The university receives such feedback and tries to implement the suggestions as and when the curriculum is revised. The feedback enables the institution to make plans and offer courses to cover the contents beyond curriculum. Institution also offers society need based projects that enrich the curriculum.

**1.3.6 How does the institution monitor and evaluate the quality of its enrichment programs?**

There is a planning and monitoring committee in the institution to monitor and evaluate the quality of programs offered in the institution.
The planning committee comprises of members drawn from various departments. It frames a procedure for every activity and looks into curriculum implementation, internal assessment schedules, frame work for laboratory, academic events, conferences, project exhibition, alumni meet, sports day, annual day etc.

The institution also has the monitoring cell that ensures regular academic audit like syllabus coverage, unit completion, attendance monitoring, lecture notes, log book of attendance, department activities, internal marks evaluation, quizzes, analysis of university examination results and any other work connected with academic activity.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The institution is affiliated to the JNTU, Kakinada. The curriculum and syllabi is designed and developed by the University. Based on the feedback received from the alumni and stakeholders the institution consolidates the feedback and forward to the university for consideration in developing the curriculum. The university also conducts meetings regularly and obtain opinion of teachers in the subject to formulate the course curriculum and syllabi. University also invites faculty to participate in workshops for curriculum development.

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If “yes”, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programs?

Yes, the institution has a mechanism to get feedback from students, parents, industry, R&D experts, alumni and other eminent personalities about the adequacy of curriculum. The opinion of these stakeholders are communicated to the university authorities for necessary improvements. The feedback so obtained is also used to plan, organize and
deliver content beyond syllabi and add on courses in the program.

1.4.3 How many new programs/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programs?

The following table gives the details of additional intake in UG and PG programs:

<table>
<thead>
<tr>
<th>Academic Year</th>
<th>Name of the Program</th>
<th>Sanctioned intake</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2017</td>
<td>B.Pharmacy</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>M.Pharmacy</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Pharm.D</td>
<td>30</td>
</tr>
<tr>
<td>2015-2016</td>
<td>B.Pharmacy</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>M.Pharmacy</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Pharm.D</td>
<td>30</td>
</tr>
<tr>
<td>2014-2015</td>
<td>B.Pharmacy</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>M.Pharmacy</td>
<td>54</td>
</tr>
</tbody>
</table>

These above new courses/increase in intake of existing course is done:

- To meet the changing demands of the industry
- To develop skill of man power in specialized field of Pharmacy
- To encourage research among younger generation
- To develop centers of excellence in related areas
- The institution has established centre of excellence in the following areas:
  1. Pharmacological Screening
  2. Quality Assurance
  3. Good Manufacturing Practice
Criterion-II
Teaching – Learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1. How does the college ensure publicity and transparency in the admission process.
Nova college of Pharmaceutical Education and Research is a self-financing Pharmacy institution affiliated to Jawaharlal Nehru Technological University Kakinada.

The admission process both for undergraduate and post graduate is made on the basis of entrance examination conducted by the Govt. of Andhra Pradesh (EAMCET for B.Pharmacy and Pharm.D courses and PGECET for post-graduate courses).

Admission notification is given by the Andhra Pradesh State Council for Higher Education (APSCHE) for the above admissions in the State of Andhra Pradesh. The minimum requirement for applying to EAMCET examinations is a pass in Intermediate examination with not less than 45% marks in IPE Examination conducted by the Govt. of Andhra Pradesh with Mathematics/Biology, Physics and Chemistry as main subjects.

The examination is conducted by the Government and rank is assigned to all the eligible students, category-wise and gender wise following the reservation policy of the state.

- Detailed admission Process is made available on the website of APSCHE and advertisement in newspaper.
- After the rank is assigned students are advised to give their choice of college and branch on the web portal.
- Based on their rank seats are allocated by the government for A- Category seats (70%). The system is totally transparent in the admission process.
- The APSCHE allot students to the colleges along with the name of the candidate, father name, branch to which he is admitted into the college.
- After the admission process is completed, the Government of Andhra Pradesh gives a cutoff date and the class work date announced by the Affiliating University.
- The students after admitting into the College are taken round and the facilities available in the college are shown to the parents and the students.
- B-Category (30%): The college publish the B- category admissions in college web and national and regional English, Telugu newspapers.
- The admissions are made by management based on merit. This list is to be
submitted to APSCHE for their approval.

2.1.2 Explain in detail the criteria adopted in the process of admission (ex: i) Merit ii) Common Admission Test conducted by the State Agencies and National Agencies iii) Combination of Merit and Entrance Test or Merit, Entrance Test and Interview iv) Any other) to various programs of the Institution.

The Pharmacy Admission process in Andhra Pradesh is done by the Commissioner for Technical Education. Institute is not involved in Central admission process of the State Government. Institute follows the Admission rules, regulations and guidelines stipulated by the State Government.

2.1.3 Give the minimum and maximum Percentage of marks for admissions at entry level for each of the programs offered by the College and provide a comparison with the other colleges of the affiliating university within the City / District.

Course wise minimum and maximum ranks of students admitted in B.Pharm, M. Pharm & Pharma.D programs:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Program</th>
<th>Year of Admission</th>
<th>Minimum EAMCET Ranks of admitted Students</th>
<th>Maximum Ranks of Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B.Pharmacy</td>
<td>2016-17</td>
<td>20514</td>
<td>101607</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (Ph.Ceutics)</td>
<td></td>
<td>4469</td>
<td>801150</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (PAQA)</td>
<td></td>
<td>300018</td>
<td>18349</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (Ph.Cology)</td>
<td></td>
<td>3792</td>
<td>21328</td>
</tr>
<tr>
<td></td>
<td>Pharm.D</td>
<td></td>
<td>40000</td>
<td>50000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>S. No</th>
<th>Program</th>
<th>Year of Admission</th>
<th>Minimum EAMCET Ranks of admitted Students</th>
<th>Maximum Ranks of Admission</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>B.Pharmacy</td>
<td></td>
<td>22514</td>
<td>80007</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (Ph.Ceutics)</td>
<td></td>
<td>4001</td>
<td>75213</td>
</tr>
<tr>
<td></td>
<td>M. Pharmacy (PAQA)</td>
<td></td>
<td>29728</td>
<td>48349</td>
</tr>
<tr>
<td>Course</td>
<td>2015-16</td>
<td>2014-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>---------</td>
<td>---------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M. Pharmacy (Ph.Cology)</td>
<td>2792</td>
<td>7532</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pharm.D</td>
<td>25200</td>
<td>3562</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Pharmacy</td>
<td>20514</td>
<td>34628</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M. Pharmacy (Ph.Ceutics)</td>
<td>35324</td>
<td>7532</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M. Pharmacy (PAQA)</td>
<td>35354</td>
<td>32569</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.1.4 Is there a mechanism to review the admission process and student profiles annually?

If Yes, what is the outcome of such an effort and how has it contributed to the improvement of the process.

The admission process is totally under the control of the state government. The college maintains student admission details in office and admission cell of the institution. The college also maintains student previous history files with regard to his health, family background, education details of every student in the college. The file also includes the students interest in co-curricular and extracurricular activities. These details will serve as input for improvement of the student in the first year and subsequent years.

Based on the number of students admitted under each category, a career guidance program is conducted for the benefit of the weaker section of students, students coming from rural areas and telugu medium students. The admission cell will identify the requirements of these students with the help of a mentor who will guide them in the following way:

- Bridge courses for subjects like Mathematics/Biology, physics, Chemistry, English are conducted after the regular class work is over every day.
- Senior faculty members are allotted for mentoring every 15 students.
- Parents meeting is also conducted after completion of internal assessment test to apprise the performance of their ward.
- The Institute identifies meritorious students and awards are given at the end of the academic year.

The above efforts have yielded good results in Pharmacy programs.
2.1.5. Reflecting on the strategies adopted to increase / improve access for following categories of students, enumerate on how the admission policy of the Institution and its student profile demonstrate / reflect the national commitment to diversity and inclusion.

- SC / ST
- OBC
- Women
- Definitely abled
- Economically weaker section,
- Minority Community
- Any other

The admission process to the colleges located in Andhra Pradesh is governed by the Commissioner for technical education. Institute follows the rules, regulations and guidelines stipulated by the government of Andhra Pradesh. It offers seats to SC, ST, OBC, economically weaker students as per the norms and rules and regulations of the government of Andhra Pradesh.

The government of Andhra Pradesh makes admissions of students to pharmacy colleges based on merit. The government offers fee waiver scheme for the students admitted under the government quota.

Lateral entry students to the extent of 20% of the total intake are also admitted into second year pharmacy courses. A separate examination is conducted by the government of Andhra Pradesh for this category of students.

Adequate facilities are created for weaker section students and women students. The Institution does not discriminate on the base of gender. 30% of seats in the Institution are
reserved for women candidates belong to all categories. There is also some quota for the physically disabled students, children of armed personnel, sports personnel.

2.1.6. Provide the following details for various programs offered by the Institution during the last 4 years and comment on the trends i.e. reasons for increase/decrease and actions initiated for improvement.

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Name of Program</th>
<th>Year</th>
<th>No. of Students Application</th>
<th>No. of Students Admitted</th>
<th>Demand Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>B.Pharmacy</td>
<td>2016-</td>
<td>N/A</td>
<td>91</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015-</td>
<td>N/A</td>
<td>87</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-</td>
<td>N/A</td>
<td>96</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-</td>
<td>N/A</td>
<td>79</td>
<td>1:1</td>
</tr>
<tr>
<td>2</td>
<td>M.Pharmacy (Pharmaceutics)</td>
<td>2016-</td>
<td>N/A</td>
<td>18</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015-</td>
<td>N/A</td>
<td>13</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-</td>
<td>N/A</td>
<td>09</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-</td>
<td>N/A</td>
<td>10</td>
<td>1:1</td>
</tr>
<tr>
<td>3</td>
<td>M.Pharmacy (PAQA)</td>
<td>2016-</td>
<td>N/A</td>
<td>18</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015-</td>
<td>N/A</td>
<td>14</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-</td>
<td>N/A</td>
<td>07</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-</td>
<td>N/A</td>
<td>0</td>
<td>1:1</td>
</tr>
<tr>
<td>4</td>
<td>M.Pharmacy (Ph. Cology)</td>
<td>2016-</td>
<td>N/A</td>
<td>14</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015-</td>
<td>N/A</td>
<td>14</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2014-</td>
<td>N/A</td>
<td>7</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2013-</td>
<td>N/A</td>
<td>5</td>
<td>1:1</td>
</tr>
<tr>
<td>5</td>
<td>Pharm.D</td>
<td>2016-</td>
<td>N/A</td>
<td>30</td>
<td>1:1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2015-</td>
<td>N/A</td>
<td>19</td>
<td>1:1</td>
</tr>
</tbody>
</table>

The admission process is done by APSCHE. The process of admission is through web based counseling and it is understood that the majority of students opt for Pharmacy course. Actual number of students who opted for his course is not known to any institution except the number of students allotted to the college. It is presumed that one student admitted into pharmacy for every 40-50 students who applied.

2.2 Catering to students diversity

2.2.1 How does the Institution cater to the needs of differently abled students and ensure adherence to Government policies in this regard.
Institute makes a special arrangement for differently abled students in the class room, in the laboratory, library and University examinations.

Special library arrangements are made for these students by the HoD. Additional library books are also issued to these students comforting them not to visit library frequently.

Institution is providing a scribe for writing exams with the permission of university and provides additional time for writing exams with permission of university.

The management also offers some special incentives to such students in hostels, etc.

2.2.2 Does the Institution access the students needs in terms of knowledge and skills before the commencement of the program. If Yes, give details on the process.

Yes.

There is a provision for assessing the students knowledge and skills before the commencement of the program. The institution conducts diagnostic test and identifies the students knowledge in subjects like, Mathematics/Biology, Physics, Chemistry, and English etc. The students are given special orientation to enable them to cope up with the pharmacy syllabus in the course they have chosen.

Based on the marks secured in the diagnostic test, students are grouped into batches of 15 or 20 in each subject and special attention and care is taken by the institution in conducting tutorial and special classes after the regular class work is over and they are brought on par with the other students after one month.

Students coming from rural background are given special attention in spoken English and are made to deliver subject content in the presence of other students and teachers. Such an exercise has yielded very good results.

2.2.3. What are the strategies drawn and deployed by the Institution to bridge the knowledge gap of the enrolled students to enable them to cope with the program of their choice (Bridge / Remedial / Add- on / Enrichment courses, etc.)
The Institution considers the content of the syllabus which the student studied till the intermediate examination. The Institution has a mechanism to identify the gap in the syllabus to understand the pharmacy curriculum.

Institution conducts remedial classes to bridge gap.

Institution also identifies the gap between the university curriculum in the advance subjects.

Institution offers more elective papers in final year course program. Institution also offers add-on topics and add-on experiments in laboratories.

The Institution also conducts remedial classes for all students to increase their skills and competence. Weekly tests and monthly tests are also conducted by the department faculty to test their subject knowledge.

The mid-examinations and the end-examinations are conducted by the affiliating university. Attention is paid to motivate students by way of conducting personality development programs, workshops, technical festivals, conferences and symposium. A mentor is appointed to identify the weak students and help them with counseling and intensive coaching.

The above steps are found to be very successful in improving the transition rate of students.

2.2.4. How does the college sensitize (awareness) its staff and students on the issues such as gender inclusion, environment, etc.

- The institute does not discriminate on gender and religious issues
- Male and female staff members, faculty members and students are treated equally.
- All staff members irrespective of gender are treated equally in religious aspects.
- Institution has established a "women protection and empowerment cell" under coordinator of a senior women faculty member to redress the grievances of any women employee or student.
• All kinds of academic help is provided to the students for the socially weaker section students.
• Institute provides equal opportunities to male and female in teaching curricular, extracurricular activities, deputation to workshops and seminars, in appointment of various college committees, placements etc.
• Institute organizes special programs like blood donation camps, swatch bharat programs in which the faculty and students participate equally.
• The institute also has abundant number of trees and greenery around the campus.
• The Institute celebrates "Teachers day" and "Pharmacist day" where the student and teachers interchange the role of each other and awards distributed.

2.2.5. How does the Institute identify and respond to special educational /learning needs of advanced learners?

Institute has a mechanism in which the advanced students are identified based on the following:

• Student articles published in the newspapers and journals
• Student projects, paper presentations, NSS camp, industrial visits etc.
• Interaction of students with the faculty members

• Participation of students in value added courses – content beyond the syllabus
• Value added laboratory experiments conducted by the students beyond the syllabus
• Marks obtained in midterm and university exams Institute encourages advanced learners by following methods:
• Institution encourages students to carry-out mini projects and final year projects in the college to the extent possible or to carry out the projects in a R&D lab or in an industry.
• Resource persons from industries and R&D labs are invited to give guest lectures on latest topics for the benefit of students and faculty.
• Students are encouraged to participate in conferences to enrich their knowledge.
• The institution provides good number of journals, books and e-journals through which the students can gain knowledge on advanced topics.
• One additional book is provided in the library for toppers in the class to motivate the advanced learners
• Travel fare will be reimbursed to the students who stood top in the academic competitions held in surrounding colleges.
• Teachers in the institution deliver additional topics beyond syllabus to enrich the knowledge of the students in advanced topics.

2.2.6. How does the institute collect, analyze and use the data and information on the academic performance (through the program duration) of the students at risk of dropout (students from the disadvantaged sections of Society, Physically challenged, slow learners, economically weaker sections, etc.)

• The institute analyzes the university results for different programs. It also gets information about the academic performance of dropout students.

• Internal evaluation carried out by the institution also helps to get information about the disadvantaged students of the society, namely physically challenged, slow learners, economically weaker students.

• Teacher mentors interact regularly with students assigned to them and find the academic performance of the students and analyze the reasons for thereon.

• The results are correlated with the categories of students namely, physically challenged, slow learners, economically weaker students.

• The institute analyzes the data of the above section students as follows:

  Slow learners:
  - The institute organizes special lectures for the slow learners after the class work is over.
- Teacher prepares specially designed notes for slow learners to understand the subject easily.

- Slow learners are grouped together in a batch of 15 to 20 students and mentoring is done by the teacher.

- Teacher in the special classes makes the student to answer one or two questions and few problems.

- Institute conducts re-tests for the non-performing weaker students.

**Physically challenged**

- Institute counsels the physically challenged students with the facilities available and scholarships offered by the government and other organizations

- Counseling is done to the physically challenged students. Any particular demand of the student that may include his location in hostel, movement in the college and any other special needs raised by the student are addressed immediately.

- Institute also tries to identify inherent skills in the physically challenged person and motivate to excel in related areas.

**Economically weaker section**

- Institution provides information to economically weaker section students about Government and other organizations for financial help and help in the form of books, free accommodation etc.

**Disadvantaged section of students**

- SC / ST / OBC / Minority students are given benefits of reservation in terms of admission into pharmacy course and scholarships as per government norms.
- The disadvantaged section of students are also given special coaching in the college.

2.3 Teaching – Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules (academic, calendar, teaching plan, evaluation blue print etc.)

The Institution follows the academic calendar given by the affiliating university. Based on the academic calendar, the college formulates the academic schedule for each month and is made known to the students and all other concerned before the academic programs start. All students are given academic schedule that includes details of class room teaching, laboratory work, events and activities well in advance for the entire semester. The hand book / academic calendar consist of the following information:

1. Vision and Mission of the college
2. Rules and Regulations of the College
3. Academic events
4. Information about the Departments
5. Examinations schedules
6. List of holidays
7. Schedule of extra and co-curricular activities
8. Department clubs / Associations, etc.

After completion of admissions into Pharmacy courses, the Convener EAMCET notifies the date of starting the first year classes. The university notifies the academic calendar.

The Head of the Department will convene a meeting of faculty members of their department. The distribution of syllabus is done by the HOD after obtaining consent of the
teachers.

The faculty prepare the course file that includes detailed work plan, study material, experimental write-ups, previous year university question papers, assignments, quizzes, e-learning material, etc.

The file is evaluated by the HOD and Principal of the college. Students are informed about the academic calendar and time table well in advance.

Feedback is collected from the students during the teaching process about the faculty methodology of teaching. At the end of the semester the feedback is analyzed by the HOD and two other senior faculty members and a consolidated report is submitted to the Principal about the concerned teachers performance.

Parents are periodically informed about the children performance orally, telephonically and through post as required. Weak students are identified for arranging remedial classes / Tutorial classes. One teacher is identified for every 15-20 students who acts as student counselor for the students and who monitors their academic performance.

Mock practice and orals are also conducted and performance is evaluated. At the end of semester the university conducts examination and after the results are announced by the university again the results are evaluated and analyzed.

The institute also conducts extracurricular and co-curricular activities for the students. Any short comings in the syllabus is taught as add-on course. All these steps will help the academic performance of the student.

2.3.2. How does IQAC contribute to improve the learning process?

The college has constituted Internal Quality Assurance Cell (IQAC). Its contribution is as below:

IQAC provides the development and application of quantity bench marking for various academic and administrative activities of the Institution. Its main objective is to give the quality education, knowledge dissemination through team work and persistent efforts by the
faculty. It is headed by a coordinator and one member drawn from each department as member of APTI/IPA. Regular meetings are conducted by this body for planning and execution as described earlier. This body will obtain feedback from all the stakeholders and analyze and submit report to the Principal for appropriate action. The Principal based on the report will take remedial measures in organizing tutorial classes / extra classes / Quizzes / Problem classes and any other as suggested by above body.

This body also informs to the students about AICTE, PCI, JUTUK, Government Rules and Regulations with regard to the promotion to higher classes.

This exercise is meant for the betterment of students not only in terms of teaching learning but also looks towards the welfare of the student.

2.3.3. How is learning made more students centric? Give details on the support structure and systems available for teachers to develop skills like interactive learning or collaborative learning and independent learning among the students.

The Institute offers various services to the teachers for making the learning student centric. Institute has a very good library containing not only text books but also magazine on technical subjects, Journals, e-books, and Journal study material etc. Students and teachers make these facilities for betterment of their knowledge. Conferences, workshops, guest lectures, industrial visits, visits to R&D laboratories are organized to get a better exposure on the latest trends in learning for students and teachers. A one hour slot in the time table is exclusively ear marked for library in the time table. Special lectures are also organized for the benefit of the students and junior teachers.

The Institute also organizes soft-skill program, and finishing school. This practice is taken care by the training and placement officer. Institute also encourage departmental fests where the students and teachers conduct and organize technical fests.

The Institute has a language lab and Wi-Fi connection in the campus. The Institute at the end of the lecture hours; a one hour is allocated for tutorial class where students in 15-20 are grouped together and teacher makes the students to answer either the questions or make the students to solve the problems. The students needs are looked into by the teacher
either with regard to the curriculum or their personal problems.

2.3.4 How does the Institute nurture critical thinking, creativity and scientific temper among the students to transform them into lifelong learners and innovators.

Institution encourages the students and faculty to publish and present technical papers in seminars/ symposia conducted either in our institution or in other institutes. Institute encourages students to publish scientific and technical articles in the institute magazine. Financial incentive is given to the best awarded students at the National level. Students are also given travel fare to present papers with in the state.

Eminent personalities, industrial experts, entrepreneurs are invited to the college to share their success stories with the students. Institute also encourages students to publish articles / papers at the end of the final year. This will help the students to publish and present technical papers. To the extent possible, students are made to undertake final year B.Pharm / M.Pharm project in the college or either in industry or any R&D laboratory.

2.3.5 What the technologies and facilities available and used by the faculty for effective teaching? Example, virtual laboratories, e-learning resources from national program on technology and enhanced learning (NPTEL) and the national machine on education through information and communication technology (NME-ICT) open education resources, mobile education etc.

For effective teaching by the faculty in the technology related subjects the following aids, lecture notes etc, are made available for the faculty.

Modern multimedia teaching aids like LCD projectors, OHP, internet enabled computer systems are available in most of the class rooms and other learning centers namely laboratory, library etc. Students are encouraged to use computer software for meaningful analysis of their experimental data in the laboratories.Institute also has e-books, e- journals which are valuable to the students. Institute supports teachers for membership of professional societies. Most of the teachers are members of societies like APTI, IPA etc... The Institute has membership of DELNET consortium where the faculty and students can access over 75
scientific journals and 40 Pharmacy journals. High speed Internet connectivity in the
campus enables the students and faculty to access e-resources, free journal, e-books. The
institute encourages e- Journals and to use JNTUK COE-ERD material.

2.3.6 How are students and faculty are exposed to advanced level of knowledge
and skills (Blended learning), expert lectures, seminars, workshops etc?
Institute organizes expert lectures, seminars, guest lectures by professionals in their
respective area during which time the students and faculty participate. The faculty members
are deputed to the faculty development programs organized by reputed universities, IITs and
NIITs. Faculty and students are also advised to take part in National and international
technical conferences. Institute also encourages students and teachers to organize seminars,
conferences, workshops within the college to update their knowledge and skills. Institute
organizes events like, paper presentation, project competitions, expert tutorials and periodically
student conferences are organized on behalf professional bodies like APTI, IPA in advanced
technologies.

2.3.7 Detail (process and number of students benefited) on the academic, personal
and psycho social support and guidance services (professional, counseling
/mentoring / academic advice) provided to students.
For every 15-20 students a teacher is appointed as a mentor/counselor to counsel the
students and record their improvements from time to time. The counseling rendered by
the counselor is recorded and monitored by the head of the department. Such counseling
has yielded fruitful results to students in terms of improvement of pass percentage and
employability of students. The counselor also identifies the weak students and accordingly
remedial / tutorial classes are arranged. The students get academic and personal guidance
from the concerned teachers apart from the counselor. There is a full time training and
placement officer who trains the students in terms of soft skills and arranges lectures by
experts on industrial/ technical skills. The personality development program organized
by the institution also helps the students.

2.3.8 Provide details of innovative teaching and approaches/methods adapted by
faculty. During the last four years? What are the efforts made by the institute to
encourage the faculty to adapt new and innovative approaches and the impact of such innovative practices on students learning.

The Institution encourages faculty members to apply for research grants from funding agencies like AICTE, UGC, DST, ICMR etc. The institution also sets aside a portion of the money from its budget towards R&D activity. Such a step is to enhance the independent thinking of the faculty and enhance their knowledge and pass on to young students. Faculty makes use of laptops, digital library etc, to download online lectures, study material from the internet and pass on the same to students. Institute encourages teachers to prepare question bank in each subject for the use of students. Faculty uses collaborative learning and active learning. Institute deputes faculty for teaching learning program organised by JNTUK. Arrangements are also made to telecast special webinars on related topics. Students are encouraged to think independently and design and fabricate experiments in the laboratory. Innovative learning methods like real time demonstrations, comparison of charts, picture quiz, group discussions, cross word puzzle and circuit debugging are encouraged.

2.3.9 How are the library resourced used to augment and teaching learning process?

The institution has a very good central library located at the first floor in the main building. The text books, journals and any other material available in the library are digitized. The students and faculty can access the library from any part of the institute building. The list of new items like journals and text books are made known to the students. The head of the department will place order for books or journals through the librarian. The students and faculty effectively use the internet and they liberally share their knowledge on innovative resource topics, data gathering with the other learners. The library is kept open beyond working hours, and on any day it is kept open for 10 hours from 8:00AM to 6:00 PM.

To augment the teaching learning process, the faculty uses the library resources like text books, reference books, educational CDs. There is a facility for downloading e-journal material, e-learning material that includes tutorials, frequently asked questions in the examination and
presentations made by experts on special topics. These material are often used by faculty and the students to augment the teaching learning process. Journals are made available online to the faculty and students. News papers other related magazines are available in the reading room of the library. Students are given reasonable number of text books in related subjects. The faculty and students are given additional books if required in carrying out project work, paper presentation, seminars etc. The library is also equipped with a xerox machine where the faculty and students may take print out from books or journals. Student's UG and PG project reports are stacked in the library for use of junior students.

2.3.10 Does the Institution faces any challenges in completing the curriculum within the planned time frame and calendar. If yes, elaborate the challenges encountered the institution approaches to overcome this.

There is a CAC (College Academic Committee) in the institution in which all heads of departments and officer in-charge of examinations are members. This committee will plan the academic schedule given by the affiliating university. The schedule for completion of unit is planned and prepared by the members of this committee in consultation with the faculty members of the department. The head of the department will allocate the subject to the faculty in the department. The faculty divides each unit into sub topics and assigns number of classes needed for each unit, taking into account of academic schedule prescribed by the university. The faculty members submit the unit wise subject completion to the HoD once in a month and the principal will oversee about syllabus completion once in a month. The subject completion includes the teaching of topics as given in syllabus apart from problem solving, demonstration of experiment etc. In case in any exigency in completion of syllabus the faculty will request the HoD to allot few more classes to complete the syllabus on time. There are also certain challenges with regard to the completion of the syllabus.

University gives uniform time slots for all the subjects in all branches in Pharmacy. However, there are some topics which needs less time and some other topics needs more time. In addition to this, there are some slow learners and some other fast learners in the class. Managing such a class becomes difficult for the teacher. Prerequisite of the
subject plays an important role in teaching. Pharmacy teaching is done in English medium while a majority of students study intermediate in telugu medium. This is a big challenge the institution is facing. In post bifurcation of the state of Andhra Pradesh, admission process in the Pharmacy Institutions got affected during this academic year and will naturally affect the academic schedule.

To overcome the above challenges during 2013-14 academic year the institution also conducted classes in some Sundays and public holidays to make up the academics. In addition to, this e-learning material and study material is available with students.

University permitted the institution to keep additional working hours after the routine working hours. These are some of the challenges the institution has faced and as overcome them.

2.3.11 How does the Institute the monitor and evaluate the quality of teaching learning?

The quality of teaching learning is assessed by the Institution in the following ways:

Institute takes feedback from the student about the teacher in every subject apart from feedback from the industry, employees, alumni and parents.

Institute conducts monthly tests, quizzes and assignments and mid-semester examination and evaluates the performance of the student. Based on these results, additional classes are conducted after the class work is over. The weak students are identified and additional coaching is given. Institute also has a mechanism for online evaluation of students and university examination results regularly. Senior faculty members will monitor the teaching of junior faculty and if required share their teaching notes with the junior faculty. Institute also evaluates the project reports prepared by the students. Institute identifies university rank holders in each branch of Pharmacy and awards are presented to them on the college day. Such a step will give encouragement to other students. Students are also permitted to participate in co-curricular and extra-curricular activities. Institute also has monitoring committee which looks into the proper planning of
syllabus exclusion and teaching learning method adopted in the institution. This committee will monitor the process and submit report to the head of department.

2.4 Teacher Quality:

2.4.1 Provide the following details and elaborate on the strategies adopted by the institution in planning and management (recruitment and retention) of its human resource (qualify and competent teachers) and to meet the changing requirements of the curriculum.

The Institution recruits faculty members as per the guidelines of AICTE, PCI and JNTUK at the rate of one teacher for every 15 students. The Institution believes that the qualified and competent teachers are essential to shape the young students. Depending upon the requirement, faculties are recruited by the institution. The method of selection for faculty is as follows:

1. Faculty requirement is identified by the head of the department and he will forward the requirement to the principal of the college. The selection committee is constituted by the principal including HOD, and one senior faculty in the concerned subject as subject experts. The principal submit the selection list to the BoG for approval. The selection process is totally transparent and merit and experience is only criteria for selection of faculty. These faculties after initial selection in the college have to appear for interview/written test by the university for ratification. University will conduct the interview with subject experts and ratify the faculty. With regard to staff selection, the requirements of non-teaching staff are collected from each department well in advance by the office of the principal and hands on experience of the staff will be tested. The principal submit the selection list to the BOG for ratification.

2. Strategies adopted for retention of faculty: The institution sponsors faculty for higher studies, seminars, workshops to enrich their knowledge. Time bound and performance based promotions is helping the retention of faculty. Institute provided facilities like subsidized canteen at reasonable price and free transport to the faculty. Institution is providing medical leave, study leave for faculty whose services are regularized and
ratified by the University.

<table>
<thead>
<tr>
<th>Highest qualification</th>
<th>Professor</th>
<th>Associate Professor</th>
<th>Assistant Professor</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
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<tr>
<td>Permanent teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D.</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M.Pharmacy</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Temporary teachers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>M.Phil.</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>PG</td>
<td>0</td>
<td>0</td>
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<td>0</td>
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</tbody>
</table>

2.4.2 How does the Institution cope with growing demand / scarcity of qualified senior faculty to teach new programs / Modern areas (emerging areas) of study being introduced (bio-technology, IT, Bio informative etc.) provide details on the efforts by the Institution in this direction and the outcome during the last three years.

Senior faculty from other institutions and universities are invited to deliver guest lectures. Middle level faculty namely associate professors are asked to attend this classes so that, for the subsequent years this faculty will handle these subjects. R&D person are also invited to deliver expert lectures and act as resource person. Institute invites adjunct and eminent persons where ever required.

Faculties are encouraged to participate in national conferences and workshops to learn latest trends in emerging areas of technology. Some of our faculty members attended conferences and workshops in inter- disciplinary and multi-disciplinary subjects.

2.4.3 Provide details on staff development programs during the last four years
and elaborates on the strategies adopted by the institution in enhancing the teacher quality.

a. Nomination to staff development programs

<table>
<thead>
<tr>
<th>Academic Staff Development Programs</th>
<th>No. of Faculty Nominated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orientation programmes</td>
<td>02</td>
</tr>
<tr>
<td>Staff training conducted by the university</td>
<td>-</td>
</tr>
<tr>
<td>Summer / winter schools, workshops, etc.</td>
<td>25</td>
</tr>
</tbody>
</table>

b. Faculty training programs are organized by the institution to empower and enable the use of various tools and technology for improving teaching learning.

A. Teaching learning methods / approaches
B. Handling new curriculum
C. Content / Knowledge management
D. Selection, development and use of enrichment materials
E. Assessment
F. Cross cutting issues
G. Audio visual aids / Multimedia
H. OTHER
I. Teaching material development, selection and use.

i. The JNTUK organized teaching methodology workshops in core Pharmacy branches where some of our faculty members participated.
ii. During holidays subject experts were invited to the institution to deliver new curriculum. All the teachers in the department attend and learn new subjects.

iii. The University formulates the curriculum and detailed syllabus. The course content gives details of the syllabus based on the syllabus prescribed by the University. The teachers sub divide them in modules and see how best the knowledge is imparted to students.

iv. Apart from the text books the teachers prepare their own class notes incorporating various examples, problems etc. Each unit is further divided in modules and module is further divided in to classes.

v. Faculty members of this Institution are deputed to attend the programs on cross cutting issues like nono technology, digital Analytical Techniques, etc.

vi. Institute deputed faculty for Pharmacy awareness program. The faculty after returning conducted the program in the institution on the use of multimedia for NPTEL lectures.

vii. Faculty are trained to use webinars, open source journal, e-books and QEEE.

viii. Faculty is also trained to compile and edit teaching learning material for benefit of students.

c. Percentage of faculty:

- Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies
• Participated in external Workshops / Seminars / Conferences recognized by national / International professional bodies presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies.

Details of faculty attended FDP, Seminar and Workshops

<table>
<thead>
<tr>
<th>Program</th>
<th>No of Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>FDP</td>
<td>05</td>
</tr>
<tr>
<td>Seminar</td>
<td>40</td>
</tr>
<tr>
<td>Workshop</td>
<td>25</td>
</tr>
</tbody>
</table>

2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

Institute encourages teachers to submit R&D proposals to funding agencies. Institute also gives a matching grant in terms of free power, lab space, telephone, internet, computer, printer, travel grant, cash amount for publication of peer reviewed journals to carryout R&D work.

M.Pharm teachers intend to carry out Ph.D. work are given on duty. Institute support the membership fee for senior faculty for professional membership like APTI, ISE and IPA. Institute pays registration fee and travel allowance for the teachers attending seminars, conferences, FDPs etc. Institute also conducts seminars, conferences in selected areas where the teachers are carryout research work. Institute also encourages teachers to write text books monograph, lab manuals for which a cash incentive of Rs.5,000 is given to the teachers. MOUs are signed with few industries located near to college the MOUs stipulates that some of our teachers who are pursuing research go to
the industries and carry out research. The faculty members of the institution also identify the industrial problems if any and resolve them, intern the industry personnel are given additional exposure in the subject at the end of reasonable period of three or four years. The faculty may submit thesis may get Ph.D. degree.

2.4.5 **Give the number of faculty who received awards/ recognition at the state, national and International level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.**

The institute recognizes the talented and best teachers in each branch of Pharmacy. The best perform teacher is identified and honored with best teacher award in excellence in academics. The award carries citation, memento and cash. This initiative is taken by the management to encourage the faculty who excel in their field of pharmacy.

2.4.6 **Has the institution introduced evaluation teachers by the students and external peers. If yes, how is the evaluation used for improving the quality of teaching learning process?**

There is a system for evaluation of teachers by the students and by external peers. A format is prepared and given to the students to give their fair and frank opinion about the subject taught. At the end of semester these formats are collected and the data is compiled to know the performance of the teacher. The data is analyzed and constructive suggestion is given to teachers about their methodology of teaching, style of teaching, use of innovative methods for teaching, development of laboratories, projects, paper publications, R&D activity.

2.5 **Evaluation Process and Reforms**

2.5.1 **How does the Institution ensure that the stakeholders of the institution
especially students and faculty are aware of the evaluation processes?

The rules and regulations, curricula, syllabus for all the programs offered by the Institute is made available to all the students through the syllabus book. In addition to the above, all these details with regard to evaluation process is also displayed on the Institute notice board. A copy of the same is also made available with head of the departments and few more copies available in the library. These details are also displayed on the Institute and affiliating University web sites. The regulation contains the detailed evaluation processes, curricula, syllabus, and the minimum attendance to be put in by a student for taking examination. In addition to this, the university regulations also specify the minimum credits required for a student to acquire a degree. The regulations also include the rules for promotions to higher classes with back logs, if any. Details about the internal marks and external examination marks are also included in the hand book. The syllabus book also contains the number of contact hours, both theory and practical's and number of units included in each paper in addition to, the list of experiments to be carried out by the student in each semester.

On the induction day the head of the departments will also inform the above details to the students and their parents requesting them to read the contents in the hand book and follow them accordingly. The end examination and mid semester examination are conducted by the university and the Institute has no role in setting the question paper or evaluating the answer paper.

2.5.2 What the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

University conducts the online mid semester examination. These questions are purely objective. The performance of the student is automatically recorded in the university examination portal. The students can also know the number of
right/wrong question they have answered and marks obtained thereon. This system is totally transparent and a major reform brought in by the university.

Essay type questions are answered by the students and evaluated by the teachers. After evaluation the papers are shown to students, discussed with the students, where he has gone wrong in answering a particular question and the reason for giving less marks or the reason for not giving maximum marks for that question. If the students are satisfied with the marks awarded by the teacher, his signature is obtained on the answer sheet. If the students are not satisfied with the marks awarded by the teacher he makes an appeal to the HOD who in turn will constitute a committee and the committee will look into the grievances raised by the students. Accordingly the marks given are either modified or remain same. This shows the evaluation process adopted by the institute is transparent.

With regard to the final examination conducted by the university, a student who feels that he secured less marks than his expectation can approach the University for Recounting, Reevaluation with personal identification paper after paying fee as stipulated by the university.

2.5.3. How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

The institute effectively implements the evaluation reforms of the university and that of the institute to ensure total transparency in the evaluation methodology. The internal examination papers conducted by the institute are shown to the students and when the student is satisfied with evaluation methodology he will sign on the answer script otherwise approach the HOD for redressel. Records are maintained in the HOD office with regard to the performance of all the students in all the subjects. A copy of it made available in the examination branch. Students and their parents can visit the
institute any time and discuss the performance of their children with the HOD and consult faculty members. The internal examination papers after evaluation by the teacher are randomly checked by the HOD to know the evaluation pattern adopted by the teachers.

2.5.4 **Provide details on the formative and summative evaluation approaches adapted to measure student achievement. Cite a few examples which have positively impacted the system.**

Each course carries a maximum of 100 marks both theory and practical other than project work (final semester). Project work carries a maximum of 200 marks. Each theory paper carries four credits and each practical papers two credits. To obtain a degree from the affiliating university the student has to acquire a minimum of 200 credits. Faculty members in the institute follow the formative approach to evaluate students’ performance and achievements through the following:

- Assignments
- Presentations
- Group discussions
- Quizzes
- Problem solving
- Class interaction
- Workshops
- Seminars
- Project vivavoce
- Written and practical examination
- Attendance in the class room
- Extracurricular and co curricular activities

With regard to summative approach, mid semester examination are conducted
during each semester. Apart from the above, the institute also conducts the model examination during the mid-semester and end-semester. This will create confidence among the students to face the final examination conducted by the university. This approach of evaluation of has yielded good results in the student’s examination performance. The university at the end of each semester will conduct a written examination, practical examination and a project work with viva voice during the last semester of the degree. The examination question papers are made available from the internet with the password given the principal about half an hour before the commencement of the examination. The question paper is downloaded and printed and distributed in the examination hall. The time allowed for theory examination is 3 hours duration during which time a student has to answer 5 questions out of 8 questions given in the examination paper.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (Weightage for behavioral aspects, independent learning, communication skills etc.)

The institute conducts slip tests, internal assessment tests, assignments, quizzes, problem solving, exercises periodically. Based on the outcome of these tests the students’ performance is evaluated and monitored where ever required. Monitoring is done based on the performance of the student in the end semester examination. The behavior of the student is also monitored with his experimental skills in the laboratory and his zeal to perform additional experiments and translate innovative ideas to set up a new experiment.

Regularity of the student to the institution is monitored by recording the presence or absence of the student in every class by the teacher. An arrangement is made where in if the student does not turn up for a particular class an SMS is sent to the parent about the absence of his child. As per the university regulation every student has put in a minimum of 75% of
attendance for taking the university examination. Therefore, in the interest of student attendance is mandatory for all classes both theory and practical.

Apart from the academics the students interests with regard to co-curricular and extra-curricular activities are identified and the institute encourages the students to participate in these activities. Students are also encouraged to participate in technical symposia, paper presentation and visits to industries etc. to get latest information in their domain- subject.

Students are also provided an opportunity think independently, learn independently and act independently in domain-subject. Any new idea coming from the student is always encouraged and the HoD and other faculty members sit together with the students to transform the student ideas into a reality.

The institution organizes classes on communication skills, technical skills that will help the student to grow significantly in his academics and his behavior.

2.5.6 What are the graduate attributes specified by the college/affiliating university? How does the college ensure the attainment of these by the students?

The JNTUK specifies the graduate attributes in the form of program outcomes specific to each program offered by the university. The program outcome are aligned with the pharmacy graduate attributes namely

- Pharmacy knowledge and skill development,
- Problem solving,
- Design and development for a particular problem,
- Investigation of complex situation on problem,
- Use of modern tools,
- Ethics and individual and team work,
Communication skills,
• Technical skills,
• Project management,
• Finance,
• Lifelong learning,
• Environment and sustainability,
• Service to the society.

Institution has developed program objectives outcomes, course objectives which are in concurrence with the university. The university objectives and outcomes are supplemented by the objectives and outcomes evolved by the institute keeping the vision and mission of the institute.

Institute periodically develop teaching learning process updating laboratory equipment, enhanced infrastructure and interaction with all stakeholders. Institute monitors the attainment of program outcomes.

Institute is a consortium member DELNET and has an access to libraries of central institutes. (of the Indo US collaboration for Pharmacy education (PE) and it uses PE learning material and methodology). Institute has a open access to NPTEL and QEEE lectures delivered by professors of IIT, Madras. Most of our students and faculty are benefited by these lectures.

In addition to the above, the institution adopts the following modes for delivery of the subject.

Lecture delivery with the discussion from the student
• Presentation of subject using LCD projector.
• Tutorial class
• Demonstration
• Individual / Group projects
• Guest lectures
• Seminars and assignments
• Industrial visits
• The program objectives are also evaluated by the following way:
• Participation of the student in the class and his attendance in the class.
• Assignments
• Internal assignment examination
• Independent learing and behavior aspects
• Paper feedback

2.5.7 Does the institution and individual teachers use assessment / evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If “yes” provide details on the process and cite for few examples.

Yes, the institute and teacher use the assessment and evaluation as an indicator for performance of the students. The teacher while formulating the course keeps in mind the objective of the course. The teacher also keeps in mind the objectives to be fulfilled at the end of the course. At the end of the lecture, verbal questioning and answers is encouraged. The students' satisfaction and application of knowledge in solving a problem is kept in mind. Mock tests give information about the performance of the student. Lab skills and lab experiments performed by the students' shows the skill of the students. The written tests namely the internal and external examination is expected to yield enhanced knowledge content and depth of understanding of the subject. The project assessment gives idea about the practical and technical knowledge. The class attendance shows the punctuality and discipline of the student.

2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation? Both at the college and University level.

Internal examinations are conducted in the college and after evaluation these
papers are shown to students. The solutions for the questions are discussed in
the class. Student can clarify doubts regarding evaluation adopted by the
teacher. In case the student is not satisfied with the evaluation made by the
teacher he will approach for redressal with reference to internal evaluation.
The cell consists of examination in-charge, the principal, HOD, one or two
faculty members from the department. Student representation is taken and
the cell calls student and in his presence the grievance raised by the student
is redressed.

With regard to the university examination evaluation methodology, if any
student has grievance about the marks awarded in a particular paper, he
can approach the university for redressal of grievance in terms of marks
he obtained in a particular paper. The university has a mechanism to look into
his grievances in terms of recounting of marks, reevaluation of a paper and
personal identification of a paper after collecting fee from the student. The
student has to submit an application for redressal grievances to the
university through the principal of the college.

2.6 Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If “yes” give
details on how the students and staff are made aware of these?
Yes, the institution has clear vision about learning outcomes. The learning
outcomes are defined in terms of program education objectives,
program outcomes, course outcomes. The cross mapping is done between
PEOs, POs and CO. Evaluation each PO and CO is done to check whether
student has achieved a required goal. The PEOs, POs are published in college
web sites and on departmental notice boards. The learning outcome for each
course is clearly indicated in the course curriculum provided to all the
students. The learning outcomes are notified in the academic documents
given to students and faculty. The learning outcomes are also made known to
parents during parent meet.
2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results / achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

The institution conducts internal examinations that consist of unit tests, mid semester examinations, practical and oral examination. Based on the marks obtained in each of the above test the progress of the student is monitored. The student performance also helps to get a feedback of his progress and accordingly remedial measures are taken. Institute communicates the progress of the student to their parents through SMS, through telephonic message and also through a letter. The affiliating university also conducts mid semester examination. The results of performance of this mid examination are communicated to parents. Based on the university mid examination and end examinations remedial measures are taken and progress of the student is monitored periodically. Institute carries out the analysis of each program every year.

<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No. of students Passed</td>
<td>No. of students Written</td>
<td>Pass %</td>
</tr>
<tr>
<td>IV</td>
<td>B.Pharm</td>
<td>65</td>
<td>79</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td>M.Pharm</td>
<td>41</td>
<td>50</td>
<td>82</td>
</tr>
<tr>
<td></td>
<td>Pharm.D</td>
<td>14</td>
<td>19</td>
<td>74</td>
</tr>
</tbody>
</table>


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

The curriculum is prescribed by the university and the teaching-learning program adopted by the institution always aim at the academic excellence. To achieve this goal the institution has formed several academic committees to impart quality education and make the students to be useful to the society. Institution also created a congenial environment where the students can think and develop their own ideas into a useful and working model.

The teachers will prepare the course material, teaching notes along with the teaching aids where ever possible. Faculty prepares the course files and other study material to supplement to learning outcomes. The evaluation and assessment is conducted to monitor the progress of the students. The internal quality assurance cell gives suggestions for better achievement for learning outcomes. Students assignments are corrected and evaluated and returned to the students for their use. Students are assigned seminar topics where each student has to prepare and give lecture for half an hour on any topic of his choice related to Pharmacy, science and technology. Best rankers in the class are motivated by displaying their names, photographs on the college notice board, and college hand books, souvenirs etc.

2.6.4 What are the measures / initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship, innovation and research aptitude developed among students etc.) of the courses offered?

Several initiatives are taken by the management for enhancement of economic and social status of students and faculty in the institution. Some of them are as follows:

- The institution periodically organizes technical research paper
competition for students. Senior students are involved in research /project work carried out by faculty / PG students. Faculty and students are encouraged to present papers in conferences. Institute depute faculty for advanced technology courses in their area of interest. Institution has setup advanced laboratories like Pharmaceutical Technology, Biological Screening, Advandec clinical Therapy etc., To initiate research in Pharmacy subjects institute started PG programs and have plans to establish research laboratories soon.

- Institution is carrying the above activities has shown considerable improvement in students placement and translation of innovative ideas into use work. The research culture among the students also has considerable improvement apart from the social responsibility among the students.

- Institute organizes NSS camp, Medical camp, Blood donation, tree plantation events. Our students participated in helping the poor and needy during the natural calamities occurred.

2.6.5 How does the institution collect and analyzed at a on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The institution collects the data with regard to learning outcomes from the students, employers, industries, alumni. The university results are also analyzed and feedback from external practical examiners is also taken in account of development laboratory experiments. There is a committee in the college which analyzes this data and submits to HOD for necessary action. Using this data, the HOD will discuss with departmental faculty for planning and exclusion and overcoming the barriers in teaching learning, if any.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

The institution continuously monitors for the excellence in achievement of
learning outcomes. The methods adopted are:-

- Evaluation of internal and university examinations results, assignments, quizzes, problem solving exercises, seminars by students, attendance of students in the class room, skill gained in doing experiments.

- All this data is analyzed by an internal committee and submit a report to HOD and Principal. The other methods adopted for achieving learning outcomes are students feedback on teachers performance by student, project evaluation and innovation of the students and faculty respectively.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluation student performance, achievement of learning objects and planning? If “yes” provide details on the process and cite a few examples.

Yes, The institution makes an assessment of both teachers and students that acts as an indicator for learning outcomes. The evaluation includes assignments, quizzes, problem solving, internal assessment tests, attendance percentage, end examination marks. After the first unit test is over feedback about the student’s performance and that of individual faculty is passed on to the Principal and HOD for remedial measures, if required for enhancement of teaching learning process. Institution also has a mechanism to measure whether the objectives of the program are fulfilled or not. After completion of the mid examination the course outcomes are mapped with the program objectives and analyzed by the HODs and is recorded in the course files.
Criterion - III

Research, Consultancy and Extension

3.1 Promotion of Research

3.1.1. Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No. As of now the Institution is not recognized as a research center by the affiliating university. The affiliating university viz., the JNT University Kakinada will not recognize the whole institution has a research center. It recognizes only the department as research department. The institution is slowly acquiring facilities to carryout research in major branches of Pharmacy. We propose to approach university shortly for recognizing two of our departments, PHARMACY and PHARM.D departments as Research centers since we have qualified and research oriented professors in these departments.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few
recommendations made by the committee for implementation and their impact.

Yes, the institution has created a research and development cell to address issues of research in Pharmacy and sciences. The research committee monitors the issues of research and their objectives the main objective of the research committee is

- To motivate the faculty and PG students for research and develop research culture in institute.
- To identify the emerging areas in technology and science for research and to develop facilities and infrastructure in the institute.
- To get awareness of funding agencies to create R&D facilities.
- To organize visit to research laboratories
- To motivate faculty to pursue higher studies leading to Ph.D. and post doctorate work.
- To create awareness in IPR and patenting.
- To motivate faculty and student present/contribute research papers in conferences/journals and organize such events in the college.

The research committee of the institution comprises of the principal, the heads of departments, senior faculty from each department, industry persons, and scientists from R&D organizations. The committee meets as and when required. The important recommendations made by this committee are as follows:

Inculcate research among faculty, awareness of funding schemes from various agencies, motivating faculty for research programs, involving students in research projects, develop research infrastructure, budget allocation by the management to initiate research in the institute.

The recommendations made by the committee are taken note by the
management and has shown some impact among the faculty members. Many faculty members are now inclined to carryout research in subjects like nono technology, pharmacological screening, synthesis of medicinal drug by synthono approach methods etc. The management also has provided tablet computers for each faculty. The institution has decided to permit faculty members to carryout research in institutes of repute like IITs, NIITs and Universities.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects?

- Autonomy to the principal investigator
- Timely availability or release of resources
- Adequate infrastructure and human resources
- Time-off, reduced teaching load, special leave etc. to teachers
- Support in terms of technology and information needs
- Facilitate timely auditing and submission of utilization certificate to the funding authorities
- Any other

The institution gives total freedom to the principal investigator to carryout research in his area of interest. The principal investigator is given all facilities in terms of infrastructure, equipment, travel grant to present research papers in conferences. The principal investigator has total freedom to purchase equipment, machine, consumables etc., as required to carry out the project.

The principal investigator is given money to purchase journals of his choice and also given library and internet facility. The principal investigator may also use the services of PG students and junior faculty members. He can also organize expert lectures in his domain area of research for which the institution will pay the travel chargers and local hospitality. The principal investigator is given reduced workload to enable him to complete the research
project. When the principal investigator receives money from the funding agencies the office accounts department will extend help for timely auditing and submission of utilization certificate to the authorities. Institute deputes junior faculty members to carry out Ph.D. in leading R&D and academic institutions.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

All the students of the institution are encouraged to participate in technical fests, scientific fairs and technical paper competitions. The departments of the college organize seminars to create interest among the students and meet distinguished experts in related areas. Some of our students have presented papers in technical fests and seminars organized in universities. Our students have won prizes in various technical competitions at National level.

Our institution also organizes conferences and workshops in order to develop scientific temper among the students. Best project of final year students are published in noted journals.

Institution gives awards for best innovation of students along with a cash award Rs.1000. Institution organizations research webinars for students. Institution has digital library for the students and faculty. Institute encourages students to publish papers in high impact factor journals. An honorarium Rs.1000 is awarded to the students who publish papers in high impact factor journals.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.

Some of our senior faculty members are actively engaged in research. Apart
from the senior faculty the other faculty guides UG and PG students for seminars, projects and technical papers. Few of faculty members have submitted R&D proposals to various funding agencies. Faculty is associated with industry based projects. Faculty regularly presents research papers in conferences and journals.

3.1.6 Give details of workshops/ training programs/ sensitization programs conducted/ organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The institution conducts faculty development programs, symposia, conferences, technical projects with the aim of capacity building among faculty and students.
The following programs are conducted/organized by the institution during the last four years:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Event Name</th>
<th>Theme</th>
<th>Date</th>
<th>Eminent Speakers</th>
</tr>
</thead>
</table>
| 1    | WORLD PHARMACIST CELEBRATIONS                  | PHARMACIST CARING FOR YOU                       | 25TH SEP-2016      | 1. DR. M. JAGAN MOHAN SUPERINTENDED GOVERNMENT HOSPITAL, VIJAYAWADA  
2. MR. P. RAMBABU DISTRICT ADDITIONAL DRUG CONTROLLER, VIJAYAWADA  
3. VINOD DRUG INSPECTOR, JAGGAIAHPET. |
| 2    | INDUCTION & ORIENTATION DAY                    |                                                | 29/08/2016         | 1. DR. SUBBA RAO, PROFESSOR, JNTUK, KAKINADA  
2. CHIEF INSPECTOR OF POLICE                                                                                                         |
<p>| 3    | INSTRUMENTS HANDLING TECHNIQUES                | NATIONAL SEMINAR                                | 13/07/2016         | 1. MR. PAVAN, ASSISTANT MANAGER, ANALOGS LABORATORIES, HYD.                                                                                      |
| 4    | 54TH NATIONAL PHARMACY WEEK CELEBRATIONS      | RESPONSIBLE USE OF ANTIBIOTICS SAVES LIVES     | 16TH TO 21ST NOV-2015 | 1. DR. S. C. U. M. PRASAD., M. PHARM, PH. D |
| 5    | RECENT TRENDS IN HPLC TECHNIQUES               | SEMINAR                                        | OCT 31ST 2015       | 1. DR. G. SATYANARAYA, M. S. C., PH. D., LLB.                                                                                                   |
| 6    | DIABETIS MELLITUS                              | FACULTY DEVELOPMENT PROGRAMME                  | 17/10/2015         | 1. DR. GANACHANDRAN M. PHARM., PH. D., PROFESSOR, NCPER                                                                                         |
| 7    | DRUG DESIGN AND DISCOVERY                      | FACULTY DEVELOPMENT PROGRAMME                  | 17/10/2015         | DR. P. SELVAM M. PHARM., PH. D., PROFESSOR, NCPER                                                                                              |
| 8    | DRUG DISCOVERY AND DEVELOPMENT                 | NATIONAL SEMINAR                               | MARCH 22ND 2014    | DR. C. N. RAMCHAND., PH. D., PRESIDENT AND CEO, LAILA PHARMACEUTICAL PVT. LTD.                                                               |
| 9    | SEMINAR ON USE OF LABORATORY ANIMAL IN PHARMACEUTICAL RESEARCH | SEMINAR                                        | 17/06/2014         | DR. J. MAHESH KUMAR, SR. SCIENTRIST, CENTRE FOR CELLULAR MOLECULAR BIOLOGY, HYD                                                               |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Event Description</th>
<th>Type</th>
<th>Date</th>
<th>Speaker &amp; Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Seminar on Molecular Modelling and Drug Design Delivered</td>
<td>Seminar</td>
<td>12/7/2014</td>
<td>Mr. V. Ashok Kumar B. Pharm., M.S (Medical Chemistry)</td>
</tr>
<tr>
<td>11</td>
<td>World Pharmacist Celebrations</td>
<td>Seminar</td>
<td>Sep 24th 2015</td>
<td>Mr. Kartik, Novartis Pharma, Hyd</td>
</tr>
<tr>
<td>12</td>
<td>Pharmacist Day Celebrations</td>
<td>Seminar</td>
<td>Sep 25th 2014</td>
<td>Dr. Buch N. Nalluri, Ph.D</td>
</tr>
<tr>
<td>13</td>
<td>Seminar on Environmental Awareness</td>
<td>Seminar</td>
<td>26th Dec 2013</td>
<td>Dr. A. Narendra Babu, M. Tech, Ph. D., Professor, LBRCE, Mylavaram</td>
</tr>
<tr>
<td>14</td>
<td>Strength of Ayurveda in Geriatric Health Care</td>
<td>Noni</td>
<td>29/10/2013</td>
<td>Dr. Ram Harsh Singh</td>
</tr>
<tr>
<td>15</td>
<td>Drug Discovery and Development</td>
<td>National Seminar</td>
<td>Dec 27-2014</td>
<td>1. Dr. V. Satyanarayana M. Pharm., Ph. D., Managing Director, Sipra Labs Ltd, Hyd</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2. Lion M. Krishna Rao, M.J.</td>
</tr>
<tr>
<td>16</td>
<td>Medical Coding</td>
<td>Workshop</td>
<td>21, 22nd Apr 2015</td>
<td>Organised by NCPER, NOVA</td>
</tr>
<tr>
<td>17</td>
<td>Fire Safety Training and Demonstration Programme</td>
<td>Demonstration Programme</td>
<td>Jan 7-2013</td>
<td>Johnson (G. Narayana) Director, Safety Engineer</td>
</tr>
<tr>
<td>18</td>
<td>Communication Skills Development</td>
<td>Staff Development Programme</td>
<td>Feb 2-2013</td>
<td>Dr. Solomon Arularaj David, M.A., M.Ed., Ph. D., Asst. Professor of Department of Technology, SRM University</td>
</tr>
</tbody>
</table>
1.7 Provide details of prioritized research areas and the expertise available with the institution.

Some faculty members of the institution carry out research in various branches of Pharmacy and science leading to Ph.D. degree. A majority of the faculty members are interested to carry out research in the emerging areas in the field of Pharmacy.

The institution is encouraging faculty members to undertake individual research projects at the institution. The institution has set a side of an amount of one lakh rupees as seed money for each department to carry out research in the department.

The following is the list of faculty engaged in prioritized research:

<table>
<thead>
<tr>
<th>Name of the Department</th>
<th>Areas of Specialization</th>
<th>Name of the Faculty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph.Chemistry</td>
<td>Synthetic chemistry</td>
<td>Mrs. Fatima Rose</td>
</tr>
<tr>
<td>Ph.Chemistry</td>
<td>Medicinal Chemistry</td>
<td>Mr. Sakthi Saravanan</td>
</tr>
<tr>
<td>Ph.Chemistry</td>
<td>Natural Chemistry</td>
<td>Mr. P.Selvakumar</td>
</tr>
<tr>
<td>Ph.Chemistry</td>
<td>Analytical Chemistry</td>
<td>Mr. P. Srikanth</td>
</tr>
<tr>
<td>Ph.Cology</td>
<td>Ph.Cology</td>
<td>Mrs. Ush Kiran</td>
</tr>
<tr>
<td>Ph.Cology</td>
<td>Ph.Cology</td>
<td>Mrs. Bhagyasree</td>
</tr>
<tr>
<td>Ph.Cology</td>
<td>Ph.Cology</td>
<td>Mr. Rajender</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>Nano Technology</td>
<td>Mr. Sagar</td>
</tr>
<tr>
<td>Pharmaceuticals</td>
<td>Nano Particle</td>
<td>Ms. Madhavi</td>
</tr>
</tbody>
</table>

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students.

The institution makes all efforts in inviting eminent researchers to the campus and interacts with the faculty and students. In this direction institution
periodically organizes conferences, workshops, seminars etc. Persons of eminence are invited as resource person. Faculty and students are made to visit research laboratories and industry to enable them to interact with the researchers. The following is list of eminent researchers who visited the Institute and interacted with faculty and students.

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of Expert</th>
<th>Designation and office</th>
<th>Area of specialization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. V. Algarsamy</td>
<td>MNR Group of Institutions</td>
<td>Medicinal Chemistry</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. P. Selvam</td>
<td>Professor, KaraSalingam University</td>
<td>Antiviral Research</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. Satyanarayana</td>
<td>Sipra Laboratories</td>
<td>Drug Manufacturing unit</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. I. Peter</td>
<td>Noni</td>
<td>Noni Biotech Ltd.,</td>
</tr>
<tr>
<td>5.</td>
<td>Dr. SVUM Prasad</td>
<td>Professor</td>
<td>Director for Pharmacy Courses, JNTUK</td>
</tr>
<tr>
<td>6.</td>
<td>Mr. Ashok Kumar</td>
<td>Professor</td>
<td>Drug Safety Research &amp; Clinical Research</td>
</tr>
</tbody>
</table>

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

A majority of faculty are in the age group of 25 to 35 age. Faculty member who is actively engaged in research is given special leave in addition to the summer and winter vacation. About 5% of faculty has utilized sabbatical leave to carryout research. Institution also helps teachers to complete their class works in five days and remaining one day along with Sunday may be used by the faculty to carryout research work. This incentive created by the management has encouraged other faculty members to associate themselves with senior research scholars
or teachers to register for Ph.D. degree.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

The institution creates awareness among faculty and students to carryout research either in the institution or in National institutes or in R&D labs. The students have to give seminar on their project work during their project reviews. Students may display their research works and projects. Awareness about the latest research articles and methodologies available at the university level and institute level is shared among the students. A majority of the research printed journals and online journals are available in the institute library. PG students research group is established in the institution. This group delivers seminars and tutorials on the state of art in their related areas. The NSS unit is established in the institution which interacts with villagers and school children and makes them understand the use of purified drinking water, sanitation, clean environment etc. Our PG students have identified a school in our district and educate the school children on the latest topics on science and technology. During the technical fest nearby school children are brought to our institution and educate them in advances in technology and Pharmacy.

3.2 Resource Mobilization for Research

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

Proposals from individual faculty and departments are sent to the
management with detailed research planning during every year for allocation budget towards R&D. The institution being seven year old budget allocation for research during the last five years is not much. However, a modest beginning is made in the budget allocation for establishment of R&D in departments. A small amount of one lakh rupee is set aside to initiate research in the department. The details of budget allocation for research in each department are shown below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Department</th>
<th>2015-2016</th>
<th>2016-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pharmacy</td>
<td>50,000</td>
<td>80000</td>
</tr>
</tbody>
</table>

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years.

Institution provides seed money of Rs. 1 lakh to each of the researchers working in the institution towards purchase of equipments, contingency, travel grant, publication papers etc. Not many of the teachers have availed this facility so far. However, the institution encourages teachers to utilize this facility.

3.2.3 What are the financial provision provisions made available to support student research projects by students?

Students are encouraged to carryout research and some financial assistance is provided to the students to publish their research articles in National and International journals. Each department is allotted a sum of Rs.50,000 towards UG and PG students projects. Faculty members who are engaged in research and submit their research papers in conferences are given financial support towards traveling, boarding and lodging.

3.2.4 How does the various departments / units / staff or the institute
interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

PG students are encouraged to undertake inter-disciplinary projects. The research committee of the institute identifies interdisciplinary area for research and encourages faculty and students to carryout research in the area. One major area of interdisciplinary identify by the research committee is nanotechnology wherein the faculty from electronics, mechanical Pharmacy, physics, chemistry and mathematics are involved. Senior faculty members and PG students are advised to visit defense laboratories and Andhra University nanotechnology departments to understand the latest trends in the interdisciplinary area.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The institution always tries to ensure optimal use of equipment and library resources used by faculty and students. The institution has a well stocked library that includes text books, reference books and research journals in various disciplines and inter-disciplinary area. Institution always comes forward to purchase latest equipment and latest journals useful for students and faculty. Most of the departments have basic equipment to initiate research, however when sophisticated equipment needed to pursue their research, faculty and students are deputed to advanced laboratories for which institution pays money.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If “yes” give details.

No. The institution has not received any grant for developing research
facility in the institution.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The institution encourages faculty to apply for external funding from funding agencies. Seed money of one lakh rupees to each department is given to encourage research in the department. As of now no money is received from any funding agencies towards R&D activity.

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Computers with printer and internet facility are provided to faculty and research scholars who are engaged in research. Institute subscribes printed and online journals on various subjects. All department laboratories, library, internet and other infrastructure facilities are available for faculty and students to promote research. Required software to carryout research is provided by institution. Labs and library are kept open for 12 hours. The whole campus is connected with Wi-Fi. Institution has subscription to DELNET, more than 25 International & National journals.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The institution encourages faculty and students to attend research programs, seminars, workshops and conferences conducted either in the institute or other institute. Institute provides registration fee
conveyance, on duty leave for each program. Institute also encourages
faculty for funding from funding agencies like AICTE, DST, UGC and
ICMR. Library is enriched with wide range of books and journals. Online
journals are also accessible to researchers. High band width internet
facility along with Wi-Fi connectivity is provided in the campus to
the faculty and students to carryout research work.

3.3.3 Has the institution received any special grants or finances from the
industry or other beneficiary agency for developing research
facilities? If „yes“, what are the instruments/ facilities created
during the last four years.
No.

3.3.4 What are the research facilities made available to the students and
research scholars outside the campus / other research laboratories?

The institution being very young and is in the process of establishing
research laboratories in order to promote research among faculty and
students. The institution has entered into an agreement with industries
and agencies for promoting research and extension activities in
technical education.

3.3.5 Provide details on the library/ information resource center or any
other facilities available specifically for the researchers?

The institute has an information resource centers to cater the needs of
researchers. The facilities are:

- A central library and departmental library, all of which are well
stacked with books and journal on state of the art technologies
and new frontiers of research. Books are regularly procured for
the libraries and e-journals are subscribed regularly. A large
collection of e-books are also available in our digital library.

95
• Twenty high performance Personal computers with high speed internet access in the Library
• A dedicated Internet browsing center for students and faculty.

All department labs, Library and Internet are available for each researcher to promote research. Center library full automated with bar code technology and well protected with CCTV security system. The information resources available in the library are

• Books
• Journals
• Online journals
• Magazine
• Back volumes
• CDs
• News papers

The institute library is a member of the resource sharing DELNET (developing library network).

3.3.6 What are the collaborative research facilities developed/created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

NIL

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

• Patents obtained and filed (process and product)
• Original research contributing to product improvement.

• Research studies or surveys benefiting the community
or improving the services

- Research inputs contributing to new initiatives and social development.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If “yes”, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

No

3.4.3 Give details of publications by the faculty and students

- Publication per faculty
- Number of papers published by faculty and students in peer reviewed journal (national / international)
- Number of publications listed in International Database (for Eg: Elsevier, Pubmed etc,
- Monographs
- Chapter in Books
- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- H-index: H-Index as per Google Scholar is 5

The institute encourages faculty and students to publish research papers. The details of publication of research papers, text books, monographs, books edited or reviewed etc, are detailed below:
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the faculty</th>
<th>Name of the Journal Paper/ Title</th>
<th>Year of publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.</td>
<td>Dr. P.Parthiban</td>
<td>“Design and Synthesis of 3-(4-Ethylphenyl)-2-substituted amino-3H-quinazoline-4-ones as a Novel class of analgesic and anti-inflammatory agents” <em>Journal of Enzyme Inhibition and medicinal chemistry</em></td>
<td>2007</td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td>“Spectrophotometric determination of Losarton potasium and its dosage forms by bromothymol blue and phosphate buffer”<em>Journal of Acta pharm</em></td>
<td>2010</td>
</tr>
<tr>
<td>No.</td>
<td>Title</td>
<td>Journal/Source</td>
<td>Year</td>
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<tr>
<td>12</td>
<td>“Synthesis and antibacterial activity of some novel 1-(4-oxo-3-butyl-3h-quinazolin-2-yl)-4-(substituted) thiosemicarbazides”</td>
<td>Rasayan Journal of Chemistry</td>
<td>2011</td>
</tr>
<tr>
<td>14</td>
<td>“Design and synthesis of novel 3-(4-chlorophenyl)-2-(3-substituted propylthio) quinazolin-4(3H)-ones as a new class of H1-antihistaminic agents”,</td>
<td>Arzneimittelforschung</td>
<td>2012</td>
</tr>
<tr>
<td>18</td>
<td>“Pharmacognostic and Phytochemical standardization of the leaves of Scoparia Dulcis L”</td>
<td>International journal of Universal Pharmacy and Biosciences</td>
<td>2014</td>
</tr>
<tr>
<td>19</td>
<td>Multivitamin plant: pharmacognostical standardization and phytochemical profile of its leaves,</td>
<td>Journal of Pharmacy research</td>
<td>2014</td>
</tr>
<tr>
<td>20</td>
<td>Medicinal chemistry and various types of Research methods.</td>
<td>Pharmaline</td>
<td>2014</td>
</tr>
<tr>
<td>21</td>
<td>“Estimation of Total phenol content antioxidant activity of Different forms Areca nut and Banana”</td>
<td>International Journal of Pharmacy and Pharmaceutical Analysis</td>
<td>2014</td>
</tr>
<tr>
<td>24</td>
<td>“Synthesis and Antimicrobial activity of 2-Phenyl-3-substituted quinazoline-4(3H)-ones”</td>
<td>International journal of Pharmaceutical innovation</td>
<td>2014</td>
</tr>
<tr>
<td></td>
<td>Title</td>
<td>Journal/Source</td>
<td>Year</td>
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</tr>
<tr>
<td>30</td>
<td>New Method Development and Validation for the Simultaneous Estimation of Sacubitril and Valsartan in a bulk and Pharmaceutical Dosage Forms.,</td>
<td><em>International journal of Research</em></td>
<td>2017</td>
</tr>
<tr>
<td>31</td>
<td>Using Pioglitazone as a Model Drug and with Isolation, Evaluation of Fenugreek Mucilage as in the Tablet Dosage,</td>
<td><em>IJDCST</em></td>
<td>2017</td>
</tr>
<tr>
<td>34</td>
<td>Synthesis and antibacterial activity of some novel 1-(4-oxo-3-(3-methoxyphenyl)-3H-quinazoline-2yl)-4 (substituted)thiosemicarbazides Anti-infective agents.,</td>
<td><em>Anti-infective agents</em></td>
<td>2012</td>
</tr>
<tr>
<td>36</td>
<td>Synthesis of 4-(2-ethylphenyl)-1-substituted[1,2,4]triazoloquinazolin-(4H)-ones;</td>
<td><em>International Journal of Drug Design and Discovery.</em></td>
<td>2010</td>
</tr>
<tr>
<td>37</td>
<td>Dr. B.Senthil Kumar “Compatibility studies between Ofloxacin and Tablet Excipients through Differential Scanning Calorimetry (DSC)”</td>
<td><em>International Journal of Pharma Excipient</em></td>
<td>2002</td>
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<tr>
<td></td>
<td>Title</td>
<td>Journal</td>
<td>Year</td>
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<tr>
<td>44</td>
<td>The effects of polymers and permeation enhancers of flurbiprofen from</td>
<td>gel formulations. Indian journal of pharmaceutical sciences</td>
<td>2001</td>
</tr>
<tr>
<td>45</td>
<td>“Comparative study of protein binding of human serum and plasma with</td>
<td>tetracycline” Eastern Pharmacist</td>
<td>2001</td>
</tr>
<tr>
<td>46</td>
<td>Compatibility studies between pefloxacin and tablet excipients through</td>
<td>Differential Scanning Calorimetry (DSC) Indian drugs</td>
<td>2003</td>
</tr>
<tr>
<td>47</td>
<td>“Compatibility studies between Sparfloxacin and Tablet Excipients</td>
<td>through Differential Scanning Calorimetry” Indian Drugs</td>
<td>2003</td>
</tr>
<tr>
<td>48</td>
<td>Effect of iontophoresis and permeation enhancer on carvedilol from</td>
<td>transdermal films, The Indian Pharmacist</td>
<td>2004</td>
</tr>
<tr>
<td>49</td>
<td>Preliminary phytochemical and antibacterial screening of Vitex</td>
<td>negundo Linn. Phytomedica</td>
<td>2004</td>
</tr>
<tr>
<td>50</td>
<td>Studies on suspension of nimesulide solid dispersion : Development,</td>
<td>characterization and in vivo evaluation. Indian journal of pharmaceutical sciences</td>
<td>2005</td>
</tr>
<tr>
<td>52</td>
<td>Once daily Mucoadhesive Esomeprazole Magnesium tablet: Formulation and</td>
<td>Invitro Evaluation”, Journal of Global Pharma Technology</td>
<td>2010</td>
</tr>
<tr>
<td></td>
<td>Title</td>
<td>Journal and Publication Details</td>
<td>Year</td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------------</td>
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</tr>
<tr>
<td>53</td>
<td>Formulation and Evaluation of Ketorolac ocular pH-Triggered In-situ Gel</td>
<td><em>International Journal of Drug Development and Research</em></td>
<td>2010</td>
</tr>
<tr>
<td>54</td>
<td>Formulation development and Evaluation of Naproxen sodium tablets USP</td>
<td><em>International Journal of Drug Development and Research</em></td>
<td>2010</td>
</tr>
<tr>
<td>55</td>
<td>Once daily gastro retentive Mucoadhesive Cephalexin Monohydrate tablet: Formulation and In-vitro Evaluation</td>
<td><em>International Journal of Pharmaceutical Sciences and Research</em></td>
<td>2010</td>
</tr>
<tr>
<td>56</td>
<td>Herbal Drug Comprehensive for treating liver disease and focus towards herbal medicine</td>
<td><em>International Journal of Current Research and Review</em></td>
<td>2010</td>
</tr>
<tr>
<td>57</td>
<td>International Journal of Biomedical Research entitled “Design And Development Of Paclitaxel - Loaded Microspheres For Targeted Drug Delivery To The Colon</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>58</td>
<td>A Validated RP-HPLC Method for Simultaneous Estimation of Nitazoxanide and Ofloxacin in Pharmaceutical Formulation</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>59</td>
<td>Simultaneous Estimation of Mefenamic Acid and Drotaverine HCL in Combined Dosage Form by RP-HPLC Method and Validation of the Developed method</td>
<td></td>
<td>201</td>
</tr>
<tr>
<td>60</td>
<td>New RP-HPLC Method Development and Validation of Mefenamic Acid and Drotaverine Hydrochloride in Combined Dosage Form</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>61</td>
<td>Der Chemica Sinica, entitled “Formulation and Evaluation of Celecoxib Microspheres by Using Ethylcellulose and Eudragit S-100 in Colon Drug Delivery</td>
<td></td>
<td>2010</td>
</tr>
<tr>
<td>63</td>
<td>ANTI-IMPLANTATION ACTIVITY OF THE METHANOLIC ROOT EXTRACT OF TINOSPORA CORDIFOLIA (wild). IN FEMALE RATS.</td>
<td><em>Pharmacologyonline</em></td>
<td>2010</td>
</tr>
<tr>
<td>64</td>
<td>EXTRACTIVE COLORIMETRIC DETERMINATION OF PANTOPRAZOLE SODIUM BY ACIDDYE COMPLEXATION METHOD IN SOLID DOSAGE FORM.</td>
<td><em>International Journal of Chemistry Research</em></td>
<td>2010</td>
</tr>
<tr>
<td>65</td>
<td>IN-VITRO ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL ANALYSIS OF METHANOLIC STEM EXTRACT OF CAESALPINIA PULCHERRIMA.</td>
<td><em>American Journal of Pharamtech Research</em></td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>Title</td>
<td>Authors</td>
<td>Year</td>
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<td>---</td>
<td>-----------------------------------------------------------------------</td>
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</tr>
</tbody>
</table>

### 3.4.4 Provide details (if any) of

- Research awards received by the faculty
- Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally
- Incentives given to faculty for receiving state, national and international recognition for research contributions.

An incentive of Rs.1,000 is given by the institution to the faculty for presenting papers in national conferences and Rs.5,000 is given to faculty for presenting research papers in international conferences.

### 3.5 Consultancy

### 3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The institution has evolved a system for establishing industry-institute interface. The placement and training officer maintains liaison with corporate houses for interacting with academic bodies. The primary objective is to know what is happening in industry and how that can be transferred to institute. The industry experts are invited to the institute to share their knowledge and industrial problems, if any, with the faculty and students. Once in semester, the faculty and students visit
industries to obtain latest information from the industries. The major objective of industry-institution interaction cell to keep liaison with R&D organizations and industries for sharing knowledge and to bridge the gap between the institute and industry and faculty exchange with industry. Another objective of this cell is to collect statistics and find solutions through R&D, to arrange expert lectures, to enhance inherent skill of faculty, to develop skill to make them employable, knowledge sharing and acquaint with practical problems. Another important activity of this cell is to exploit the talent among industry, student and faculty, to review the curriculum and make suggestion as per industrial requirements. This cell also takes the reviews of research activity carried out in institution to organize training program, periodical evaluation of faculty members, especially in the area of research and project training. The following is the composition of industry-institute interaction cell.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name</th>
<th>Designation</th>
<th>IIIC Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr B. Senthil Kumar</td>
<td>Principal</td>
<td>Chairman</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. P. Parthiban</td>
<td>Vice Principal</td>
<td>Member</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. J. Srinivasa Rao</td>
<td>Director</td>
<td>Member</td>
</tr>
<tr>
<td>4.</td>
<td>Dr. Gnanachandren</td>
<td>Professor</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Mrs. Usha Kiran</td>
<td>HOD</td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Mrs. Fatima Rose</td>
<td>HOD</td>
<td>Member</td>
</tr>
<tr>
<td>7.</td>
<td>Mr. Sagar</td>
<td>Associate Professor</td>
<td>Member</td>
</tr>
</tbody>
</table>
3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

The institution encourages faculty to undertake consultancy work with the government agencies / industries to provide solution through sharing of expertise. The institute encourages faculty to make use of internal resources namely laboratory, library, computation facility etc. Institution also encourages the non-teaching laboratory staff to assist the faculty and industry. Institution has a policy of sharing income generated through consultancy among the faculty and staff. Out of the total earning generated through consultancy 50% of the money goes to the faculty and staff involved in research, 25% money goes the department and remain 25% goes to the institution.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

The institution encourages the staff for utilization of resources available in the campus to promote liaison with industries. Such an activity will enhance the bondage between industry and institute. The institute motivates qualified faculty to utilize their expertise for consultancy services. This helps in promoting liaison between industry and institution. The students also get an opportunity to associate with professors in solving the industry problems.

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

The institute provided consultancy to the R&D department of government of Andhra Pradesh on voluntary basis. Our faculty and students helped the R&D department in survey carried out for
establishing new capital for state of Andhra Pradesh in Vijayawada. No revenue is generated by above activity.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Revenue generated out of consultancy is shared between the faculty involved and the department and the institute in the ratio of 50:25:25 respectively. So far, no revenue is generated out of consultancy.

3.6. Extension Activities and Institutional Social Responsibility (ISR)

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

Institute involves the faculty and students in community network. This makes the students to learn good values and responsibilities required for good citizenship, service orientation and holistic development. Our students were involved in preparation and distribution of AADHAR cards, in association with Government agencies. The social programs like blood donation camps, tree plantation, traffic control are organized by our students. Faculty members and students visit the social organizations and help them by donating the material as per need (books, blankets etc).

Students publish articles in newspaper which help to literate the common man for development in technology. Institute organizes lectures and programs on value based education. Students of Institute along with social organizations conduct health checkup camps for villagers. Institute has National Social Service (NSS) Unit, which organizes the community development programs in villages. Such camps help the students to understand the rural life, problems of villagers and
probable Pharmacy solutions.

Following activities are organized in the camp to promote community networking.

Distribution of Aadhar cards, lectures for farmers on Soil Testing, Water purification and Management, Health Care for child and women, Science & Technology for School Children: Simple lab Experiments are developed to teach basics of science for school children.

3.6.2 What is the Institutional mechanism to track students’ involvement in various social movements / activities which promote citizenship roles?

Institute has an advisor through which the student involvements in various social activities are monitored.

Extra-curricular activities and value education provide avenues to students to become aware of the social environment, the social evils, citizen responsibility and individual contribution to make the society a better place to live.

The institute has NSS and students participate in various social activities.

The institute has motivated the students to maintain plastic free campus by banning the use of plastic in the campus through which students imbib the qualities of social responsibility.

3.6.3 How does the institution solicit stockholder perception on the overall performance and quality of the institution?

Institute solicits both internal (governing council members, staff members, students etc.) and external (Parents, Community partners, public, or private sectors) stakeholders perception on the overall
performance and quality of the institute.

The external stake holders are invited to visit the campus and inspect its infrastructural facilities, interact with the members of faculty to obtain necessary information on the overall performance and quality of the institute. Parent-Teachers meeting are conducted to know about academic performance and quality of their wards and to provide constructive suggestions to improve the overall performance and quality of their wards and quality of institution. Performance reports are being sent to the stake holders through web publication and letters.

One student from each class is nominated as student representative. He/She communicate student’s requirements and problems to the respective teacher / faculty advisor / head of department / Principal. Suggestion / Complaint box is placed at various places on the campus which are accessible to students. Students have the freedom to approach the Principal during working hours without prior appointment.

3.6.4 How does the institution plan and organize its extension and outreach programs? Providing the budgetary details for last four years, list the major extension and outreach programs and their impact on the overall development of students.

Institute identifies the areas where the society and academic community need the extension and outreach programs. It also identifies the resource persons and faculty and plans the programs. Institute has its own budget for the programs. Apart from this, Institute applies for funding to social organizations to carry out the program.

Budgetary details are as follows:

108
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Dept</th>
<th>Name of Program</th>
<th>Budget amount in Rs. In lakhs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Year-1 2015-16</td>
</tr>
<tr>
<td>1.</td>
<td>Pharmacy</td>
<td>NCPER Aahwan</td>
<td>15,000</td>
</tr>
</tbody>
</table>

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

Institute promotes the students to participate in NSS and Social activities.
- Institute gives certificates to the students who participate in NSS programs
- Institute rewards the best students of NSS
- During induction program the NSS representatives appraise the students on the benefits and scope of the extension activities. The information about the proposed activities is disseminated on the notice board of the institution, circulars, web notifications and also briefing by the sections in charge.

### 3.6.6. Give the details on social surveys, research or extension work (if any) undertaking by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The Institute promotes social work as a value in the learning process. It also makes an effort to promote social justice coupled with administrative interactions. The institution practices social schemes introduced by the Government and the local bodies for upliftment of villagers and educating villagers specially belongs to the
underprivileged classes.

The institution also provides opportunities for personality development, skill development and knowledge development through training and placement cell. The NSS units actively organize welfare activities during every semester. The NSS trainee prepares the students morally and ethically strong enough to face challenges in day to day life.

Some of the activities carried out under the NSS and NCC Program as listed below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date</th>
<th>Event Name</th>
<th>Conducted by</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>24/01/2014</td>
<td>Distribution of Aadhar Cards to Villagers</td>
<td>NSS</td>
<td>Moguluru village</td>
</tr>
<tr>
<td>2.</td>
<td>26/01/2014</td>
<td>Couching to school children in rural areas</td>
<td>NSS</td>
<td>Moguluru village</td>
</tr>
<tr>
<td>3.</td>
<td>27/01/2014</td>
<td>Crop and water management</td>
<td>NSS</td>
<td>Moguluru village</td>
</tr>
<tr>
<td>4.</td>
<td>28/01/2014</td>
<td>Eradication of blind faith practices</td>
<td>NSS</td>
<td>Moguluru village</td>
</tr>
<tr>
<td>5.</td>
<td>29/01/2014</td>
<td>Health checkup</td>
<td>NSS</td>
<td>Moguluru village</td>
</tr>
<tr>
<td>6.</td>
<td>3/12/2014</td>
<td>Health checkup</td>
<td>Andhra Hospital, VJA</td>
<td>Bhavanipuram</td>
</tr>
<tr>
<td>7.</td>
<td>25/1/2014</td>
<td>Blood Donation Camp</td>
<td>NGO's</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>8.</td>
<td>12/11/2014</td>
<td>Blood Donation Camp</td>
<td>Lions club</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>9.</td>
<td>01/12/2014</td>
<td>Socio Economic Survey &amp; Survey of Child Education</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>10.</td>
<td>02/12/2014</td>
<td>Tree Plantations &amp; Manual Work in School Premises</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>S. No</td>
<td>Date</td>
<td>Event Name</td>
<td>Conducted by</td>
<td>Venue</td>
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<tr>
<td>11.</td>
<td>03.12.14</td>
<td>Medical Camp (Cardiology)</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>12.</td>
<td>04.12.14</td>
<td>Swatcha Bharat (Clean &amp; Green)</td>
<td>NCPER</td>
<td>Chevitikallu</td>
</tr>
<tr>
<td>13.</td>
<td>05.12.14</td>
<td>Health checkup (General Checkup and</td>
<td>NCPER</td>
<td>Chevitikallu</td>
</tr>
<tr>
<td>14.</td>
<td>06.12.14</td>
<td>Talent Hunt</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>15.</td>
<td>12.11.14</td>
<td>Mega Blood Donation Camp</td>
<td>Lions Club Of India,</td>
<td>NCPER Seminar Hall</td>
</tr>
<tr>
<td>16.</td>
<td>30.09.14</td>
<td>Dental Camp</td>
<td>Srinidhi Multi Specialty Dental Hospitals</td>
<td>NCPER Seminar Hall</td>
</tr>
<tr>
<td>17.</td>
<td>November, 2014</td>
<td>Blood Donation Camp</td>
<td>NSS</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>18.</td>
<td>1-12-2014 to 6-12-2014</td>
<td>i) Child Education survey</td>
<td>NSS</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ii) Tree Plantation</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>iii) Medical camp</td>
<td></td>
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<td></td>
<td></td>
<td>iv) Swachha bharath</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2013-14

1. 27/12/2014 | Awareness about pollution | NSS | NCPER Campus |
2. 26/12/2014 | e-wastage | NSS | NCPER Campus |
3. 25/12/2014 | Solar cookers and non-conversional source of | NSS | NCPER Campus |
4. 24/12/2013 | Distribution of blankets among poor people | NSS | Atkur village |
5. 23/12/2013 | Tree plantation | NSS | NCPER Campus |
6. 22/12/2013 | NSS Day celebration | NSS | NCPER Campus |
7. 21/12/2013 | Aids awareness program | NSS | Paritala village |
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Date</th>
<th>Event Name</th>
<th>Conducted by</th>
<th>Venue</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.</td>
<td>5/2/2013</td>
<td>e-wastage</td>
<td>NCPER Campus</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>6/2/2014</td>
<td>Tree plantation</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>10.</td>
<td>21.12.13</td>
<td>Awareness Program on availing vote and importance of vote</td>
<td>NCPER</td>
<td>Kanchikacharla</td>
</tr>
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<td></td>
<td></td>
<td><strong>2012-13</strong></td>
<td></td>
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</tr>
<tr>
<td>11.</td>
<td>18/01/2012</td>
<td>Free Eye checkup program</td>
<td>NSS</td>
<td>NCPERcampus</td>
</tr>
<tr>
<td>12.</td>
<td>18/01/2012</td>
<td>General health checkup</td>
<td>NSS</td>
<td>NCPERcampus</td>
</tr>
<tr>
<td>13.</td>
<td>08/03/2012</td>
<td>International Women’s day</td>
<td>NSS</td>
<td>NCPERcampus</td>
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<td>14.</td>
<td>19/03/2012</td>
<td>Rain water harvesting</td>
<td>NSS</td>
<td>NCPERcampus</td>
</tr>
<tr>
<td>15.</td>
<td>20/03/2012</td>
<td>Ill effects of Alcohol and Tobacco</td>
<td>NSS</td>
<td>NCPERcampus</td>
</tr>
<tr>
<td>16.</td>
<td>18/01/2012</td>
<td>Blood donation Camp</td>
<td>NSS</td>
<td>NCPERcampus</td>
</tr>
<tr>
<td>No.</td>
<td>Date</td>
<td>Event Description</td>
<td>Organizer</td>
<td>Venue</td>
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</tr>
<tr>
<td>17.</td>
<td>11.02.12</td>
<td>Village Services and Development</td>
<td>NCPER</td>
<td>Veerulapadu</td>
</tr>
<tr>
<td>18.</td>
<td>10.02.12</td>
<td>Awareness Program on Pollution and Safety Measurements to be taken</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>19.</td>
<td>09.02.12</td>
<td>Talent Hunt</td>
<td>NCPER</td>
<td>Gani Aatkuru (Government Primary High School)</td>
</tr>
<tr>
<td>20.</td>
<td>07.02.12</td>
<td>Clean &amp; Green Program</td>
<td>NCPER</td>
<td>Gani Aatkuru</td>
</tr>
<tr>
<td>21.</td>
<td>06.02.12</td>
<td>Medical Camp</td>
<td>YVR. Hospitals, Vijayawada</td>
<td>Gani Aatkuru</td>
</tr>
<tr>
<td>22.</td>
<td>05.02.12</td>
<td>Tree Plantation</td>
<td>NCPER</td>
<td>Gani Aatkuru</td>
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<tr>
<td>23.</td>
<td>04.02.12</td>
<td>Child Education Awareness Program</td>
<td>NCPER</td>
<td>Gani Aatkuru</td>
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<tr>
<td>24.</td>
<td>26.01.12</td>
<td>National Voters Day Awareness Program</td>
<td>NCPER</td>
<td>Kanchikacharla</td>
</tr>
<tr>
<td>25.</td>
<td>12.01.12</td>
<td>Medical Camp</td>
<td>HDFC Standard Life Company, NCPER Seminar Hall</td>
<td>NCPER Seminar Hall</td>
</tr>
<tr>
<td>S. No.</td>
<td>Date</td>
<td>Event Name</td>
<td>Conducted by</td>
<td>Venue</td>
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<tr>
<td>26.</td>
<td>08.01.12</td>
<td>Awareness Program on Drunk and Drive, Traffic signals and Symbols</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>27.</td>
<td>07.01.12</td>
<td>Awareness of Traffic Rules, Helmet, Seat Belt, Speed limit</td>
<td>NCPER</td>
<td>NCPER Campus</td>
</tr>
<tr>
<td>28.</td>
<td>06.01.12</td>
<td>National Highway Safety And Precautions, Importance of carrying First Aid Kit</td>
<td>NCPER</td>
<td>Kanchikacharla</td>
</tr>
<tr>
<td>29.</td>
<td>05.01.12</td>
<td>Road Safety And Precautions</td>
<td>NCPER</td>
<td>Kanchikacharla</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>2011-12</th>
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<tbody>
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<td>1.</td>
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<td>3.</td>
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<td>4.</td>
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<td>5.</td>
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<td>7.</td>
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<td>S. No.</td>
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<td>8.</td>
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<td>9.</td>
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<td>10.</td>
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<td>11.</td>
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<tr>
<td>12.</td>
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</tbody>
</table>

3.6.7. Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students academic learning experience and specify the values and skills inculcated.
Extension activities conducted by the Institute imbibe academic learning experience, values and skills not only to the students but also to the faculty. These activities refresh the environment for the institute. The institution is established to provide knowledge and quality education to all the sections of the society. It maintains modern outlook with developments without compromising on human values. It aims to pursue excellence towards creating manpower with higher degree of intellectual, professional and cultural development to meet the national and international challenges.

The outcome of the extension activities help to develop the overall personality of the students. These activities also help the students for better placements in companies. Such an activities carried out by an institution makes the students to understand real life problems and face them. The extension activities expose the students to rural life and possible application technology makes the life of rural people comfortable. The extension activity motivates the students to pursue higher studies and makes them useful to the society. The students who are part of this process have been spreading awareness and motivating other students also to look into the social upliftment of weaker section society. Extension activities complement students academic learning process and inculcate the basic values and skills. The NSS programs give value to the students in building of leadership qualities spreading health and hygiene, national integration, social service, ecology and environmental protection, etc.

3.6.8. How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?
Faculty and students of the Institution visit nearby villages and enquire the problems faced by them. The community stock holders and village gram panchayat people are invited for community program and their difficulties and suggestions are noted. The institution organizes the development program in villages in association the non-government organizations and NSS organization of the Institution.

The institution has taken initiative to make aware of the society about the social and health problems like, female feticide, dowry system, environmental protection, consumer protection, anti-corruption, HIV awareness, anti-tobacco and alcohol, cleanliness awareness, etc. Time to time survey is conducted and feedback is obtained from the villagers and improvements are made in the planning and execution in the subsequent visits. Seminars are conducted by the faculty and the students in the villages to solve some of the problems mentioned above.

3.6.9. Give details on the constructive relationships forged (if any) with other institutions of the locally for working on various outreach and extension activities.

Institute conducted NSS Camp with the chairperson of the Gram Panchayat village. The Blood donation camp is organized annually with the help of Red- Cross Society or with the help of the reputed hospitals. The NSS unit coordinates all this activities including, tree plantation, village cleanliness, environment pollution, effects of pesticides on human life, effect adulterer milk and human life, etc. One important relationship taken by the institution is to enhance milk production from the bedfellows with the optimum food usage.

3.6.10. Give the details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.
The Institution received appreciation from the Red Cross Society and reputed hospitals for organizing blood donation camp. The Institution also received appreciation from village panchayats for educating the rural people in terms of health care, hygiene, etc.

Best Contributory award received from Red Cross Society.

3.7. **Collaboration**

3.7.1 **How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

The Institution periodically arranges meetings with industrial experts and R&D organizations. Faculty are deputed for exposure to industrial problems and for solution. Guest lectures by industrial experts on the state of art of emerging technologies. Faculty is deputed to Universities and institutes of higher learning for attending refresher courses.

3.7.2 **Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.**

The Institution has signed MoUs with industries to conduct activities like training, placement, development of training facilities, and employment for students, guest lectures, participation in technical and scientific events. To name the collaborative MoUs signed with some of the industries are:
• MoU with Industries
• MoU with Pharmacovigilance
• MoU with Hospital

The Institution has also signed MoUs with industries and R & D Organizations for the benefit of faculty and students.

**List of MoUs with Industries**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Company Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Andhra Hospital</td>
<td>Vijayawada</td>
</tr>
<tr>
<td>2.</td>
<td>Sipra Ltd</td>
<td>Hyderabad</td>
</tr>
<tr>
<td>3.</td>
<td>Noni Biotech</td>
<td>Bangalore</td>
</tr>
<tr>
<td>4.</td>
<td>IUPPA Journal</td>
<td>Malaysia</td>
</tr>
<tr>
<td>5.</td>
<td>Manipal University</td>
<td>Antitubercular activity</td>
</tr>
</tbody>
</table>

3.7.3. Give details (if any) on the industry-intuition-community interactions that have contributed to the establishment / creation / up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library / new technology / placement services etc.

Interaction with eminent personalities from industry and R&D organizaitons has helped the faculty and the students. These interactions also helped the Institution in establishing better academic facilities. The labs are upgraded with the latest equipment needed for UG and PG programs. The important outcomes due to industry- Institution interaction improve the academic standards of students and faculty, improve the employability rate of students, awareness among teachers to research culture, awareness among senior faculty members to look into the industrial problems and societal needs.

3.7.4 **Highlighting the names of eminent scientists / participants who**
contributed to the events, provide details of national and international conferences organized by the college during the last four years.

Ans. Eminent experts from industry, scientific organizations and Universities have visited our Institution. The details are as follows:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Event Name</th>
<th>Theme</th>
<th>Date</th>
<th>Eminent Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WORLD PHARMACIST DAY CELEBRATIONS</td>
<td>PHARMACIST CARING FOR YOU</td>
<td>25TH SEP-2016</td>
<td>1.DR. M.JAGAN MOHAN SUPERINTED GOVERNMENT HOSPITAL, VIJAYAWADA</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>2.MR. P. RAMBABU DISTRICT ADDITIONAL DRUG CONTROLLER, VIJAYAWADA</td>
</tr>
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<td></td>
<td>3.VINOD DRUG INSPECTOR, JAGGAIAHPET.</td>
</tr>
<tr>
<td>2</td>
<td>INDUCTION &amp; ORIENTATION DAY</td>
<td></td>
<td>29/08/2016</td>
<td>1.DR. SUBBA RAO, PROFESSOR, INTUK, KAKINADA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2.CHIEF INSPECTOR OF POLICE</td>
</tr>
<tr>
<td>3</td>
<td>INSTRUMENTS HANDLING TECHNIQUES</td>
<td>NATIONAL SEMINAR</td>
<td>13/07/2016</td>
<td>1.MR. PAVAN, ASSISTANT MANAGER, ANALOGS LABORATORIES, HYD.</td>
</tr>
<tr>
<td>4</td>
<td>54TH NATIONAL PHARMACY WEEK CELEBRATIONS</td>
<td>RESPONSIBLE USE OF ANTIBIOTICS</td>
<td>16TH TO 21ST NOV-2015</td>
<td>1.DR. S.C.U.M. PRASAD., M.PHARM., PH.D</td>
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<tr>
<td></td>
<td></td>
<td>SAVES LIVES</td>
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<td>5</td>
<td>RECENT TRENDS IN HPLC TECHNIQUES</td>
<td>SEMINAR</td>
<td>OCT 31ST 2015</td>
<td>1.DR. G. SATYANARAYA, M.S.C., PH.D., LLB.</td>
</tr>
<tr>
<td>6</td>
<td>DIABETIS MELLITUS</td>
<td>FACULTY DEVELOPMENT PROGRAMME</td>
<td>17/10/2015</td>
<td>1.DR. GANACHANDRAN, M.PHARM., PH.D., PROFESSOR, NCPER</td>
</tr>
<tr>
<td>7</td>
<td>DRUG DESIGN AND DISCOVERY</td>
<td>FACULTY DEVELOPMENT PROGRAMME</td>
<td>17/10/2015</td>
<td>DR. P. SELVAM, M.PHARM., PH.D., PROFESSOR, NCPER</td>
</tr>
<tr>
<td>8</td>
<td>DRUG DISCOVERY AND DEVELOPMENT</td>
<td>NATIONAL SEMINAR</td>
<td>MARCH 22ND 2014</td>
<td>DR. C. N. RAMCHAND., PH.D., PRESIDENT AND CEO, LAILA PHARMACEUTICAL PVT. LTD.</td>
</tr>
<tr>
<td>No.</td>
<td>Event Description</td>
<td>Type of Event</td>
<td>Date</td>
<td>Speaker/Details</td>
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<tr>
<td>9</td>
<td>Seminar on Use of Laboratory Animal in Pharmaceutical Research</td>
<td>Seminar</td>
<td>17/06/2014</td>
<td>Dr. J. Mahesh Kumar, Sr. Scientist, Centre for Cellular Molecular Biology, Hyd</td>
</tr>
<tr>
<td>10</td>
<td>Seminar on Molecular Modelling and Drug Design Delivered</td>
<td>Seminar</td>
<td>12/7/2014</td>
<td>Mr. V. Ashok Kumar B.Pharm., M.S(Medical Chemistry)</td>
</tr>
<tr>
<td>11</td>
<td>World Pharmacist Celebrations</td>
<td>Seminar on Pharmacovigilance</td>
<td>Sep 24th 2015</td>
<td>Mr. Kartik, Novartis Pharma, Hyd</td>
</tr>
<tr>
<td>12</td>
<td>Pharmacist Day Celebrations</td>
<td>Drug Through Skin</td>
<td>Sep 25th 2014</td>
<td>Dr. Buch N. Nalluri., Ph.D</td>
</tr>
<tr>
<td>13</td>
<td>Seminar on Environmental Awareness</td>
<td>Seminar</td>
<td>26th Dec-2013</td>
<td>Dr. A. Narendra Babu. M.Tech, Ph.D., Professor, LBRCE, Mylavaram</td>
</tr>
<tr>
<td>14</td>
<td>Strength of Ayurveda in Geriatric Health Care</td>
<td>Noni for Sustainable Wellness</td>
<td>29/10/2013</td>
<td>Dr. Ram Harsh Singh</td>
</tr>
<tr>
<td>15</td>
<td>Drug Discovery and Development</td>
<td>National Seminar</td>
<td>Dec 27-2014</td>
<td>1. Dr. V. Satyanarayana M.Pharm., Ph.D., Managing Director, SIPRA Labs LTD, Hyd 2. Lion M. Krishna Rao. MJF</td>
</tr>
<tr>
<td>16</td>
<td>Medical Coding</td>
<td>Workshop</td>
<td>21, 22nd Apr-2015</td>
<td>Organised by NCPER, NOVA</td>
</tr>
<tr>
<td>17</td>
<td>Fire Safety Training and Demonstration Programme</td>
<td>Demonstration Programme</td>
<td>Jan 7-2013</td>
<td>Johnson (G. Narayana) Director, Safety Engineer</td>
</tr>
</tbody>
</table>
3.7.5 How many of the linkages / collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and / or facilitated –

   a) Curriculum development / enrichment
   b) Internship / On-the-job training
   c) Summer placement
   d) Faculty exchange and professional development
   e) Research
   f) Consultancy
   g) Extension
   h) Publication
   i) Student placement
   j) Twinning programs
   k) Introducing of new courses
   l) Student exchange
   m) Any other

The institution is affiliated to JNTU Kakinada. As an affiliating institution the course curriculum is to be followed by the institution as decided by JNTUK. However, the institution interacts with industry and R&D personnel, take their opinion with regard to syllabus and communicate to the University authorities.

The institution makes arrangements for summer training to students in various industrial houses. Students are encouraged summer placements in various organizations. Workshops and conferences are regularly organized.
Faculty are encouraged to take up consultancy work. The institution works in active collaboration with a social service organizations for extension activities. Faculty and students are encouraged to publish a research work in reputed journals and conferences.

The institution had MOU with industries like Fluid logix, Perfect electronics, Kumar pumps, IBNC etc. for on job training. The institution also had a franchisee under PPP mode with NSIC for training programs.

The Institution does not offer any twinning programs.

3.7.6 **Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.**

The Institution puts its efforts in planning, establishing and implementing the initiatives of the collaborations with various industries related to academic and research activity for faculty and students. There is a industry-institute interaction cell in the Institution whose purpose is to enter into an agreement with a various industries and R&D organizations, inviting experts from industries and requesting them to deliver guest lectures, key note addresses in conferences, workshop and symposium. Industrial visits are also organized by the above cell. The cell develops liaison with a R&D organization for teacher-student interaction with the industries.

**Criterion - IV**

123
Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitates effective teaching and learning?

The Institution has a clear policy for providing good infrastructure facilities for academic and research excellence. To impart quality education, the institution believes in establishing good infrastructure with modern equipment in the laboratories. The infrastructure of the institution includes well ventilated and well developed class rooms equipped with LCD projectors / OHPs in addition to conventional black boards with comfortable furniture. The Institution also equipped with good laboratories, hygienic canteen, good transport facility for faculty and students, Wi-Fi campus connect, library with internet facility, power backups, reading rooms, playgrounds, separate hostels for boys and girls.

The Board of Governors of the Institution meets once in three months to look into the needs of the institution and provides necessary funds to the head of the Institution for implementation of the infrastructure facilities. Besides this, the Secretary / President of the institution also provide finances as and when the need arises for enhancement of infrastructure and other facilities.

The policy of the institution for enhancement of infrastructure facilities for effective teaching and learning are as follows:

- Development of state of art of infrastructure facilities
- Providing quality education and providing latest equipment in the laboratories
• Creating ambience for research development and consultancy services at the National level
• Providing conference halls, lecture halls, seminar halls
• Providing quality education with 100% results and 100% of student placements as the target.
• To provide 24 x 7 access to internet facility to students and faculty
• To use learning materials like charts, models, multimedia, write-ups, virtual labs for enhancing the teaching and learning process.

Such an environment with a good infrastructure makes the teaching and learning more comfortable.
4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

b) Extracurricular activities, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

The Institution conducts a number of technical fests for the benefit of students and faculty. Institution conducts at least one technical fest in a year. The technical event includes activities such as technical quizzes, debates on technical subjects, essay writing competitions on scientific and technical subjects, robotics competition etc. All the students are encouraged to participate in the technical events. Some of our students have participated in technical fests organized in Universities / Institutions and have won prizes in such events.

The Institution has spacious class rooms with good seating arrangement for students fitted with fans, tube lights, dust bins, LCD projectors / OHPs, proper writing arrangements, ventilation and greenery around the class rooms.

Sufficient class rooms are available in every department to conduct remedial classes and tutorial classes for weak and needy students.

The Institution has well equipped laboratories and workshops.
The Institution has an open auditorium to conduct annual day, alumni meet, sports day, graduation day. Each department has an individual seminar hall for conducting seminars, guest lectures and workshops.

There is a separate placement cell with sufficient number of rooms for group discussion and interviews to be conducted by the companies. The Institution annually conduct the Pharmacist Day and the Teachers Day and awards are distributed the students in recognition of their excellent services.
To promote teaching and learning effectively to the students a majority of the class rooms are fitted with OHPs and LCDs. The Institution is having digital library with internet facility round the clock to carryout advanced studies and research activity.

Extra-Curricular activities: The extra-curricular activities include the sports, indoor and outdoor games, gymnasium, NSS, cultural activities, public speaking, communication skills, heath an hygienic, yoga, etc.

The Institution is providing facilities for the students to participate in sports, cultural and extra-curricular activities. Institution conducts cultural programs in collaboration with electronic media and encourages the students to participate in it to bring inherent talents of them.
The Institution encourages students to participate in state level and inter college tournaments.

Good numbers of sports activities are organized in college making the students to display their talent in sports and cultural events. A spacious play ground is available for outdoor games like, cricket, football, basketball, volleyball, etc.

Indoor games like table tennis, chess, and caroms are provided to the
students in the college campus.

The Institution also has a separate Girls waiting room. Adjacent to the girls waiting room the indoors games meant for the girls also provided.

The Institution has a NSS and Socially relevant services are provided by NSS students in providing guidance to students in rural areas, community development etc.

Various activities like public speaking, communication skills, and technical skills program are conducted with external agencies for enriching students.

Every year the institution organizes the annual day in which both boys and girls exhibit their talents in performing arts like dances, dramas, etc. This event brings out the hidden talent of students in performing arts.
4.1.3. How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed / augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Institution has developed Infrastructure and facilities as per the AICTE and the affiliating University norms. The campus is totally surrounded with picturesque scenery, plenty of trees greenery around the college building, sufficient space for outdoor games, canteen etc., as required for the welfare of the students. The Institution has plans for further development as and when required and as such sufficient space is available for future expansion. A new initiative to create separate infrastructure facilities for R&D and consultancy is proposed to be taken up shortly.

Institution develops the infrastructure in terms of laboratories, class rooms, etc., as and when AICTE approves for additional intake for starting new courses. The experts from the affiliating University and the state government monitor the institute and offer suitable
suggestions. Feedback is also obtained from the alumni and academicians for development of institution facilities. The principal sends proposals to the BOG (Board of Governing Member) for development of infrastructure, laboratories, library and extra-curricular activities along with the budget required to the BOG of the Institution. The BOG periodically meets and reviews the proposals made by the principal and budget allocation is made as per the requirements. During the last few years all the class rooms are fully equipped with the required furniture, fans lights, OHP/LCD and very good equipment is procured into the laboratories for students to carry out experiments.

The Institution also procured latest equipment for the PG courses and reasonable equipment is also procured to carry out project work/research in the college. The institution has a digital library and departmental library for the benefit of faculty and students. The MASER PLAN of the institution is shown below and is also exhibited prominently at the entry point of the institution.

The following amount is spent towards construction, establishment of laboratories, equipment, furniture etc, during the last 4 years, viz: 2014-15, 2013-14, 2012-13, 2011-12 as shown below.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Amount Spent</th>
<th>Year 2014-15 (Rs. in Lakhs)</th>
<th>Year 2013-14 (Rs. in Lakhs)</th>
<th>Year 2012-13 (Rs. in Lakhs)</th>
<th>Year 2011-12 (Rs. in Lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Construction</td>
<td>198000</td>
<td>79200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Laboratories</td>
<td>111649</td>
<td>5393361</td>
<td>3493992</td>
<td>3241385</td>
</tr>
<tr>
<td>3.</td>
<td>Equipment</td>
<td>884985</td>
<td>3521440</td>
<td>1471676</td>
<td>1095605</td>
</tr>
<tr>
<td>4.</td>
<td>Furniture</td>
<td>1,09,000</td>
<td>285054</td>
<td>210000</td>
<td>360000</td>
</tr>
</tbody>
</table>
4.1.4 **How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

The needs of physically challenged students if any are helped by the supporting staff of the institution.

4.1.5 **Give details on the residential facility and various provisions available within them:**

- Hostel Facility – Accommodation available
- Recreational facilities, gymnasium, yoga center, etc.
- Computer facility including access to internet in hostel
- Facilities for medical emergencies
- Library facility in the hostels
- Internet and Wi-Fi facility
- Recreational facility-common room with audio-visual equipments
- Available residential facility for the staff and occupancy
- Constant supply of safe drinking water
- Security

The institution has provided hostel facility both for boy students and Girl students outside the campus at a nearby place. One staff member is nominated as hostel warden to look in to the needs of the students in the hostels. The hostel is supervised by the principal of the institution in terms of quality of food, infrastructure facilities and other needs of the students. As on now 80 boy students and accommodated in hostel and 60 girls students are accommodated in girls hostel. There is a separate hostel manager who interacts with the students in the preparation of food items every day. Breakfast, Lunch, evening snacks and dinner is provided for all the boarding students, both for boys and girls and on festivals and other important occasions, special items are also served to
the students.

Recreation facilities, is also available in the institution. Both boys and girls make use of the facilities available for indoor and outdoor sports facilities. Outdoor sports like, volley ball, cricket, Badminton and Indoor games like, caroms, chess, and Table tennis are available for the benefit of the students. A majority of the students have made use of these facilities and have participated in inter college games and sports.

The institution has a Wi-Fi and central computing facility. The hotels are also provided with internet facility and students effectively make use of the facilities.

Medical facilities are also available in the institution and first aid boxes with a reasonable amount of emergency medicines are also made available in the hostels. A part time Doctor is appointed who comes to the college everyday and also spends some time in the institution and hostels to take care the medical requirements of students. The institution has identified a nearby hospital, in case of the students and faculty to be admitted as in patients. An ambulance support is available round the clock.

Some periodicals, magazines, newspapers are available for the students in the hostel apart from entertainment facilities like cable/dish TV.

The institution procures pure drinking water for all the students and staff. The ground water is being used for other purposes.

The campus is totally secured with the help of security personnel provided by the security agency. For safety against fire, adequate numbers of fire extinguisher and water points are available in the college and also in the hostel.

4.1.6. What are the provisions made available to students and staff in
terms of health care on the campus and off the campus?

The institution has appointed a Doctor to see the welfare of students, and
staff. The doctor comes to the college every day and to the hostels.

Sufficient medicines as suggested by the doctor are made available. Denaturized saline water, anti-biotic, first aid box are also available in the dispensary provided with two beds. The college in association with Lions club organizes blood donation camp and as such as and when required by the Lions Club, faculty and students donate blood.

4.1.7. Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women”s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.
The institution has marked separate space for the common facilities on the campus. These are equipped with necessary office space, computing and other facilities. Institution has a grievances and redressal cell headed by a senior faculty member. Carrier guidance cell, placement and training cell, health care etc., are also available in the institution.
The following table indicated the location of these facilities available:

<table>
<thead>
<tr>
<th>S. No:</th>
<th>Description</th>
<th>Committee Head</th>
<th>Located in</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Student welfare and disciplinary action committee</td>
<td>Dr.P.Parthiban</td>
<td>Ground floor</td>
<td>Nil</td>
</tr>
<tr>
<td>2</td>
<td>Training and placement cell</td>
<td>MR. PJV Sagar</td>
<td>Ground floor</td>
<td>Nil</td>
</tr>
<tr>
<td>3</td>
<td>Academic monitoring cell</td>
<td>Mrs. Usha Kiran</td>
<td>2nd floor</td>
<td>Nil</td>
</tr>
<tr>
<td>4</td>
<td>Examination Cell</td>
<td>Mr.S Venkateswa Rao</td>
<td>Ground Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>6</td>
<td>Carrier Guidance Cell</td>
<td>Mr. Phanindra</td>
<td>Ground floor</td>
<td>Nil</td>
</tr>
<tr>
<td>7</td>
<td>Grievances and redressal cell</td>
<td>Mr. Efrayeem Kumar</td>
<td>First Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>8</td>
<td>Woman empowerment cell</td>
<td>Ms. Madhavi</td>
<td>2nd floor</td>
<td>Nil</td>
</tr>
<tr>
<td>9</td>
<td>Library and Co-curricular activities</td>
<td>Mr. Efrayeem Kumar</td>
<td>First Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>10</td>
<td>Sports and Games Committee</td>
<td>Mr. Srikanth</td>
<td>Ground Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>11</td>
<td>NSS Activities</td>
<td>Dr. Sunil</td>
<td>2nd floor</td>
<td>Nil</td>
</tr>
<tr>
<td>12</td>
<td>Anti-Ragging Committee</td>
<td>Dr. B. SenthilKumar</td>
<td>Pharmaceutics Dept</td>
<td>Nil</td>
</tr>
<tr>
<td>13</td>
<td>Canteen Committee</td>
<td>Dr. J. Srinivasa Rao</td>
<td>Director</td>
<td>Nil</td>
</tr>
<tr>
<td>14</td>
<td>Health Centre</td>
<td>Ms. Rajani</td>
<td>Pharmaceutics Dent</td>
<td>Nil</td>
</tr>
<tr>
<td>15</td>
<td>Hostel Committee</td>
<td>Mr. Ravindranath</td>
<td>Academic Coordinator</td>
<td>Nil</td>
</tr>
<tr>
<td>16</td>
<td>Computer Centre</td>
<td>Mr.S.Venkateswa rao</td>
<td>Pharmacy</td>
<td>Nil</td>
</tr>
<tr>
<td>17</td>
<td>Recreation facilities</td>
<td>Mrs. Ramya</td>
<td>Pharmacy</td>
<td>Nil</td>
</tr>
<tr>
<td>18</td>
<td>EDC</td>
<td>Venkatesh</td>
<td>Ground Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>19</td>
<td>Research and Development Committee</td>
<td>Dr. Parthiban</td>
<td>1st floor</td>
<td>Nil</td>
</tr>
<tr>
<td>20</td>
<td>Alumni Association</td>
<td>Mrs. Srikala</td>
<td>First Floor</td>
<td>Nil</td>
</tr>
<tr>
<td>21</td>
<td>TPO</td>
<td>Mr. Syam</td>
<td>Ground floor</td>
<td>Nil</td>
</tr>
</tbody>
</table>
The institution had a health center in the campus. Doctor is available on all working days to the students and staff. In addition to that health camps are organized regularly in coordination with the surrounding Reputed hospitals Like Sankara eye care, Ramesh hospitals etc.

4.2. Library as a learning resource:
4.2.1. Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

There is an advisory committee for the library comprising of the following:

1. Principal – Chairman
2. Nominee of each department
3. Non-teaching staff- nominee
4. Coordinator R&D
5. Student representatives
6. Librarian.

Serial number 2 to 6 are members. The library committee regularly meets and implement the following initiatives to make it more user friendly. Student ID card system is introduced, departmental library is provided, provision of a Xerox facility for faculty and students is introduced. Software is provided for management of library books, journals and other reading resources. Digital library is existing. Galileo Centre for excellence is existing within the library for the benefit of students and faculty.

4.2.2. Provide details of the following:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Area (In Sq Mts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Total Area of the library</td>
<td>575 Sq Mts</td>
</tr>
<tr>
<td>2</td>
<td>Total Seating Capacity</td>
<td>160</td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>1.</td>
<td>Books</td>
<td>3392663</td>
</tr>
</tbody>
</table>

4.2.3. How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

During the month of January/February the HoD’s consolidate their requirements of books and journals and forwards them to the principal. The library committee will finalise the text books, journals and other library resources to be purchased depending up on the new subjects/electives offered and the requirement of the students. The committee also finalises the amount of money required towards the above and forward the same to the Principal.

During the last 4 years the following amounts were spent towards books, journals, e-resources etc.,

In addition to the above the library is fully equipped with Internet/Intranet, DELNET and other membership archive's, computerization for search indexing, issue and return records with bar-coding facility.
4.2.4. Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- OPAC
- Electronic Resource Management package for e-journals
- Federated searching tools to search articles in multiple databases
- Library Website
- In-house/remote access to e-publications
- Library automation
- Total number of computers for public access
- Total numbers of printers for public access
- Internet band width/speed 2mbps 10 mbps 1 gb (GB)
- Institutional Repository
- Content management system for e-learning
- Participation in Resource sharing networks/consortia (like Inflibnet)

The library provides e-journals and access to many open source journals for students and faculty. Library has NEWGENLIB software and facilities for OPAC. Library has online, ASME, ASCE and other open source journals for the students and faculty to carry out project and research work. Every department is connected to the library via Wi-Fi where in the faculty can interact with the above facilities. Library automation is done. Faculty has remote access to e-publications. Library information is available on institute web site. Over 04 PCs are available, along with printers. Library is equipped with 20 PCs. All network printers numbering 40 gives access to students and faculty. In addition to this some printers are also available.
in the library. Institute has internet with band width of 14 MBPS. Institute is a member of the DELNET.

4.2.5 Provide details on the following items:

- Average number of walk-ins
- Average number of books issued/returned
- Ratio of library books to students enrolled
- Average number of books added during last three years
- Average number of login to opac (OPAC)
- Average number of login to e-resources
- Average number of e-resources downloaded/printed
- Number of information literacy trainings organized
- Details of -weeding out of books and other materials

Average number of walk ins: 200 (Per Day).
Average number of books issued: 110 (Per Day)
Ratio of Library books to the students enrolled: 1700
Average number of books added during the last 3 years: 4169
Average number of login s to OPAC: 56 (Per Day)
Average number of login to e-resources: 80 (Per Day)
Average number of e-resources downloaded/printed: 26(Per Day)
Number of information literacy training organized: 02(per year)
Details of weeding out of books and other material: 33(per year)

4.2.6. Give details of the specialized services provided by the library

- Manuscripts
- Reference
- Reprography
• ILL (Inter Library Loan Service)
• Information deployment and notification (Information Deployment and Notification)
• Download
• Printing
• Reading list/ Bibliography compilation
• In-house/remote access to e-resources
• User Orientation and awareness
• Assistance in searching Databases
• INFLIBNET/IUC facilities

Library provides online journals like IEEE. Library has Internet, download system to access and download, NPTEL and video lectures from IIT Madras. Library has manuscripts and references. Library has question banks, old question papers, departmental question papers, project reports, case studies, internal question papers for the benefit of the students. Library staff are deputed to orientation and awareness seminars, organized by the University and reputed institutions. Xerox facility is available in the library. Remote access to library resources is available. NEWGENLIB Assist the user to search data bases.

4.2.7. Enumerate on the support provided by the Library staff to the students and teachers of the college.

Library staff provides full support in getting teaching resources, journals, and periodicals from publishers. They also help student and faculty in downloading a research paper and give them a printed copy. The library staff issues books and journals to students and faculty. Library staff works beyond institution working hours. Library has a well-furnished study Centre with a seating capacity of 200 students. Call facility for a book on demand is available. Library also maintains a copy of
advertisements, examination dates and other details provided by DTE, JNTUK.

4.2.8. What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

The physically challenged students are given utmost priority in issuing books. The librarian helps such students in every possible way. Such students need not necessarily go to the library, but their requests for a book are looked by the librarian, and the book is handed over to them.

4.2.9. Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

The librarian gets feedback from the students, faculty, staff and others permitted by the institution. The following strategy is adopted by the institute to collect the feedback. The student’s feedback is taken twice a year. The feedback box is kept in the library. The librarian collects he feedback and is analysed by the library committee. The R&D cell and the industry institute cell also give feedback. Based on the feedback the library committee looks into the improvements of the library system in purchasing new titles, volumes and journals. Extended working hours as suggested by the students is also taken in to account.

4.3. IT Infrastructure

4.3.1 Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration (provide actual number
with exact configuration of each available system)

- Computer-student ratio
- Stand alone facility
- LAN facility
- Wifi facility
- Licensed software
- Number of nodes/ computers with Internet facility
- Any other

Total number of computers: 02
Total number of printers: 1
Total number of scanners: 12
Internet Band width/speed: 14MBPS
Number of computers with configuration: 578
Computer Student Ratio: 1:4
Stand-alone facility of computers: 15
LAN facility of computers: 440.

Licensed Software details: Institution have a casa agreement with Microsoft and are eligible to access softwares from oracle corp portal in association with JKC. Institution also obtained licensed version of autodesk products through AICTE.

Number of nodes/computers with internet facility: 120
Wi-Fi Facility:

Back up for computing systems: 100%.

4.3.2. Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

All faculty/ students are provided with sufficient number of computers. Internet facility is provided to the faculty and students through LAN
and Wi-Fi connectivity. Off campus access to DELNET is given to some online journals.

**4.3.3. What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

Computer systems are regularly upgraded/replaced. Increase in internet bandwidth, purchase of additional servers, switches, UPS and Printers etc. Institution considers the strength of faculty, students and researchers in effectively using digital library, e-governance and regulatory bodies like AICTE, DTE, JNTUK while planning, deploying and upgrading the IT infrastructure.

**4.3.4. Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)**

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Year 2015-16 (Rs. In Lakhs)</th>
<th>Year 2014-15 (Rs. In Lakhs)</th>
<th>Year 2013-14 (Rs. In Lakhs)</th>
<th>Year 2012-13 (Rs. In Lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Procurement of Computers</td>
<td>214600</td>
<td>286500</td>
<td>927500</td>
<td>550085</td>
</tr>
<tr>
<td>2.</td>
<td>Up-gradation</td>
<td>150000</td>
<td>62950</td>
<td>170000</td>
<td>--</td>
</tr>
<tr>
<td>3.</td>
<td>Development</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>4.</td>
<td>Maintenance</td>
<td>168900</td>
<td>44500</td>
<td>64530</td>
<td>9660</td>
</tr>
</tbody>
</table>

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/learning materials by its staff and students?**

The lecture halls of the institution are provided with LCD projectors / OHPs. DELNET based software for applicable subjects are procured
and loaded on dedicated personal computers issued to faculty of the concerned departments. Institution has software that monitors the attendance of the students and informs the parents if the student is absent on a particular day/class. It also monitors the academic activities like work plan execution, course completion, extension lectures, seminars, workshops. Faculty prepares PPTs, Models, and other learning materials to make the lecture interesting. Faculty also downloads learning material for the benefit of the students. Institution is a member of QIP programme offered by PCI, AICTE, NEW DELHI, where live participation of students and faculty with the subject experts taking place. Faculty and students are immensely benefited due to this programme. NPTEL lectures, solutions to old question papers and faculty notes and solution to problems are placed on the server for the reference of students and junior faculty.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms /learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.

The institution has Wi-Fi campus, class rooms are fitted with LCD projectors, OHPs, multimedia PCs. The seminar halls are fitted with projection system for mass presentation. Institute library and reference section are available to students beyond working hours. Institution provides learning material on intranet.

4.3.7. Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?
The Institution has connectivity with the National Knowledge Network. The service availed is through DELNET and Online courses from AICTE, PCI. Institution uses open ware knowledge network.

4.4. Maintenance of Campus Facilities:

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The institution allocates budget for utilization under the following heads, viz.; Building, Furniture, Equipment, Computers, Vehicles, and Others.

The details of budget allocated during the last 4 years are shown in the following table:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Description</th>
<th>Year 2015-16 (Rs. In Lakhs)</th>
<th>Year 2014-15 (Rs. In Lakhs)</th>
<th>Year 2013-14 (Rs. In Lakhs)</th>
<th>Year 2012-13 (Rs. In Lakhs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Building</td>
<td>4.22</td>
<td>14.20</td>
<td>53.72</td>
<td>121.50</td>
</tr>
<tr>
<td>2.</td>
<td>Furniture</td>
<td>4.10</td>
<td>3.19</td>
<td>11.29</td>
<td>13.03</td>
</tr>
<tr>
<td>3.</td>
<td>Equipment</td>
<td>23.63</td>
<td>27.67</td>
<td>21.25</td>
<td>42.68</td>
</tr>
<tr>
<td>4.</td>
<td>Computers</td>
<td>2.14</td>
<td>3.48</td>
<td>10.97</td>
<td>6.18</td>
</tr>
<tr>
<td>5.</td>
<td>Vehicles</td>
<td>72.61</td>
<td>135.49</td>
<td>47.69</td>
<td>41.86</td>
</tr>
<tr>
<td>6.</td>
<td>Maintenance and Repairs</td>
<td>16.64</td>
<td>24.32</td>
<td>52.43</td>
<td>4.18</td>
</tr>
<tr>
<td>7.</td>
<td>Others</td>
<td>30.85</td>
<td>128.83</td>
<td>109.39</td>
<td>9.72</td>
</tr>
</tbody>
</table>

4.4.2. What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

The major equipment purchased is entered into the stock register along with the date of purchase, name of the article, cost of the article, vendor supplied, and break down if any, maintenance if required. Service
requisition is forwarded by the lab in charge to the HoD, and the HoD in turn sends a requisition to the principal for the repair. After sanction approval is received by the HoD, the department carries out the required work. Record is made in the register about the nature of the repair carried out along with the date. The same procedure is applied for any equipment used in the laboratory, computers, furniture, building repair, etc., The Institution also provides maintenance budget for the department.

In addition to the maintenance of the academic area, the areas of hostels, canteen etc, is also undertaken. White wash and painting of the building is done periodically. The quality of work carried out is inspected by a group of engineers of the college and certified prior to the clearance of the bills.

A Gardner looks after the maintenance of the garden along with his sub ordinate staff in clearing, watering, de-weeding, maintenance, lawns and horticultural equipment and record keeping. The electricians ensure timely serving of diesel generator sets, as per the manual supplied by the manufacturer. The college building, toilets are periodically maintained by the concerned staff, with de odorants, like phenyl and keep them in hygienic condition.

The institution has 40 number of buses, with valid permits and driving licenses, all the drivers are advised to be polite and courteous to the students and others travelling by buses. The drivers association of the institution believes safety of the students first, and next speed. The vehicles are periodically checked and maintained by an automobile agency and fitness certificate is obtained from the RTA, AP.

One male teacher and one female teacher is identified as hostel wardens for boys and girls respectively for monitoring and functioning
of the hostels along with the student representatives. Inspection is done by the chief warden or coordinator of students affairs in keeping the hostels clean hygienic and inspecting the quality of food.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

The calibration measures are decided based on the frequency of use of equipment. Calibration is done internally by metrology lab incharge of mechanical department. Institution takes the help of agencies like, perfect electronics for calibration of equipment. Usually the calibration is done once in a year. Similarly the vehicles used by the students, faculty and other are periodically checked once in 5000 Kms. The condition of the vehicles and the equipment used is constantly monitored and reviewed.

4.4.4. What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)? Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

The institution has 125 KVA generator backup and UPS to protect the equipment against voltage fluctuations. Electric earthing is provided at all important locations. Fire extinguishers are provided in all hazardous places. Purified drinking water is provided in the college through water coolers.
Criterion - V

Student Support and Progression

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If „yes“, what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

Yes. The Institution publishes prospectus/Hand book containing the mission and vision of the institution. It contains information about the institution, the existing programs, admission process, Institution and Department profiles, dress code, infrastructure and other facilities available in the institution. The college also publishes the student activities like, seminars, workshops, symposia, academic schedule. It also contains co-curricular and extra-curricular activities. This ensures institutional accountability and commitment to all the stake holders.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

In the State of Andhra Pradesh, the Government Conducts entrance examination (EAMCET) and allots students to colleges, based on the choice of the students and the rank obtained in the EAMCET examination.

70% seats in the college are filled by the Convener, EAMCET (Govt.) while the remaining 30% seats are classified as B-Category seats for which the admissions are made by the management again based on the choice and the rank obtained by the student. The B-Category
admissions made by the management are to be approved by the Govt. of Andhra Pradesh.

There is a mechanism in which, all the students admitted under the Govt. quota are eligible for fee re-imbursement, for which the fee fixed by the Govt. of A.P is Rs 43,000/-.

In addition to the above scheme, the weaker section students (BC, SC, ST, Etc) admitted under Category-A are also eligible to apply for scholarships from the commissioner of Back ward Class, Commissioner for Scheduled Castes and Scheduled Tribes. The details of the financial assistance given to the students by the Govt. during the last 4 years is shown in the following table:

<table>
<thead>
<tr>
<th>S . N</th>
<th>Fellowship Detail</th>
<th>Year 2015-16 (Amount received in Lakhs)</th>
<th>Year 2014-15 (Amount received in)</th>
<th>Year 2013-14 (Amount received in)</th>
<th>Year 2012-13 (Amount received in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>No of Students received scholarship</td>
<td>590</td>
<td>1242</td>
<td>1142</td>
<td>1025</td>
</tr>
<tr>
<td>2.</td>
<td>SC</td>
<td>1905000</td>
<td>4034500</td>
<td>4757300</td>
<td>5087000</td>
</tr>
<tr>
<td>3.</td>
<td>ST</td>
<td>YET TO RECEIVE</td>
<td>361500</td>
<td>367600</td>
<td>398000</td>
</tr>
<tr>
<td>4.</td>
<td>BC</td>
<td>4900000</td>
<td>12599000</td>
<td>11800600</td>
<td>12050500</td>
</tr>
<tr>
<td>5.</td>
<td>EBC</td>
<td>5900500</td>
<td>22734500</td>
<td>20137000</td>
<td>15687300</td>
</tr>
<tr>
<td>6.</td>
<td>Minority</td>
<td>YET TO RECEIVE</td>
<td>809000</td>
<td>1289600</td>
<td>1221000</td>
</tr>
</tbody>
</table>

The Institution has to receive an amount of 3530000 in the form of fee reimbursement from Govt. Of AP

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

GATE scholarships are offered to the PG students who admitted into
the Institution. Students belonging to SC, ST, and BC categories avail scholarships from Govt. of A.P. Fees re-imbursement for other category of students is offered by the Govt. of A.P.

**Details of Scholarship for Under Graduate Students:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Category of Scholarship</th>
<th>Year 2015-16 % of students received</th>
<th>Year 2014-15 % of students received</th>
<th>Year 2013-14 % of students received</th>
<th>Year 2012-13 % of students received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>From state Govt.</td>
<td>55</td>
<td>55</td>
<td>45</td>
<td>40</td>
</tr>
</tbody>
</table>

**Details of Scholarship for Post Graduate(M.Tech) Students:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Category of Scholarship</th>
<th>Year 2014-15 % of students received</th>
<th>Year 2013-14 % of students received</th>
<th>Year 2012-13 % of students received</th>
<th>Year 2011-12 % of students received</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>From state Govt.</td>
<td>35</td>
<td>38</td>
<td>21</td>
<td>12</td>
</tr>
<tr>
<td>2.</td>
<td>From AICTE</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
5.1.4 What are the specific support services/facilities available for

- Students from SC/ST, OBC and economically weaker sections
- Students with physical disabilities
- Overseas students
- Students to participate in various competitions/National and International
- Medical assistance to students: health centre, health insurance etc.
- Organizing coaching classes for competitive exams
- Skill development (spoken English, computer literacy, etc.)
- Support for “slow learners”
- Exposures of students to other institution of higher learning/
  corporate/business house etc.
- Publication of student magazines

State government offers scholarship to SC, ST and BC students. The Govt. of A.P. has introduced a fee waiver scheme to all the students admitted into Pharmacy courses under the Govt. Quota. Lecture halls are arranged in the ground floor to the physically disabled students. For such students, hostel rooms are also arranged in the ground floor.

There are overseas students admitted in to our institution.

Medical assistance to students and staff is provided by the institution by the Doctor in the college.

The institution encourages the students to participate in various competitive, National/international examinations. For such students internet facility is available to prepare technical papers under the guidance of faculty. The institution also guides the students in preparing competitive examination like GPAT, CAT, GRE, TOEFL, GMAT. The institution provides well stacked books for the preparation
of the above competitive examinations. English language classes are conducted to improve the vocabulary of students.

All students are screened for proficiency in English language and soft skills. Professional experts from various fields are invited to interact with the students and to ascertain their requirements. Institution is equipped with latest software’s, for improving communication skills, spoken English, writing skills etc., Students are also prepared to face the society with confidence. Placement interviews are conducted by experienced professionals outside the college. Soft skill training program is also organized along with classes for slow learners. Periodic skill development workshops are conducted to enhance student's skills.

Tutorial classes are conducted for analytical subjects, question banks are provided with solutions to the students. Class councilors take care of the students in a batch of 15-20 and arrange remedial classes to the students.

Students are encouraged to participate in events organized by other institutions. Industrial visits and field visits are arranged for the students. Campus Recruitment Training Programs are also arranged by the institution.

The institution believes not only in ‘students’ academic development but also emphasizes on co-curricular and extra-curricular activities.

5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

Under the EDC it is proposed to organize expert lectures, industry-institute participation, organize programs on IPR, patenting,
establishment of incubation centers.

Many time conducted events and Main aim of this programme is to create awareness in the minds of students and it encourages MBA students to start Industrial units.

Key points covered in this session are:

1) Entrepreneurs are self motivated people
2) Number of people who were succeeded as entrepreneurs.
3) How to develop the self motivation to start tiny industries or MSME industries
4) He analyzed what are the natural resource available in and around of Vijayawada to start industries
5) He analyzed how it helps to develop the economy at large.
6) How the government helps to encourage the New Entrepreneurs
7) How to get the bank loans to start the new business
8) Before starting new business or industry, how to analyze the situations

5.1.6. Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- Additional academic support, flexibility in examinations
- Special dietary requirements, sports uniform and materials
- Any other

Institute organizes the co-curricular and extracurricular activities for the students to develop technical and personal skills. Institute has student chapters of professional societies like APTI, IPA, FIC
etc., Institution provides funding to organize co-curricular and extracurricular activities. It also encourages students to participate in the activities conducted by other institutes. The major policy of the institution is to have interaction with professional bodies, to bring the technology close to the society to develop the learning skills, communication skills and technical skills, to have an interaction with a research organization and industry to represent the institute at the state and national level in co-curricular and extracurricular activities, to develop teaching skills, to develop project planning and project execution to promote technical paper presentation and any other activity for the betterment of the students.

Policy of the institution in terms of extracurricular activities is to develop the spirit of unity, team work, creativity, confidence, self discipline, and coordination. To find the talent, among the students, to develop moral and ethical values, to develop harmony among students, and faculty.

Policy of the institution with respect to sports is to have the sportsmanship among the students, physical and mental fitness among students and awareness about the global sports events.

Strategies of co-curricular activities are to provide facilities in laboratories, computing facilities, digital library and reference facility. Arrange lectures with experts drawn from R&D and industries; Arrange industrial and field visits; Arrange paper presentation competitions and encouraging students to participate in such events outside the college.

The institution strategy for extra-curricular and sports activity is to depute students for cultural events, to arrange games in the institution, to celebrate sports week and to honour sports personalities.

5.1.7. **Enumerating on the support and guidance provided to the students**
in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, GPAT / CAT / GRE / TOFEL / GPAT / Central /State services, Defence, Civil Services, etc.

Institution supports the students appearing for various competitive examinations. Teachers help the students in matters of study material and counseling the students. Students are allowed to have access to library and other books related to entrance examinations. Students can also make use of online examinations using internet facility. Special lectures are conducted for GPAT students by faculty members. Notifications for various competitive examinations are displayed at different points on the notice boards.

5.1.8 What type of counselling services are made available to the students (academic, personal, career, psycho-social etc.)

The institution has appointed a teacher guardian for every class. The teacher guardian does the academic counseling. Institution has a career guidance cell to council the students and give them information about employment, placements, higher studies, and research. The cell organizes career guidance programs. Institute also organizes programs, like industry interaction, group discussion which enhances the academic knowledge of the students. Institution has a NSS Cell that will counsel the students to inculcate social responsibilities, morals and ethics. The NSS unit periodically organizes blood donation camp in the college and participate in the Swatch Bharath Program. Institution also organizes yoga lectures and help orphan organizations and village development programs. Institution has a grievances redressal cell to look into the grievances of the students and to solve their problems. The career guidance cell is set up to look into the problems of the newly
admitted students. The following list gives the names of counselors to attend the grievances of the students.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Faculty</th>
<th>Roll No of Students allotted</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Mrs. USHA KIRAN</td>
<td>13DR1R0001 TO 13DR1R00020</td>
</tr>
<tr>
<td>2.</td>
<td>Mr. PJV SAGAR</td>
<td>13DR1R0021 TO 13DR1R0040</td>
</tr>
<tr>
<td>3.</td>
<td>Mr. PHANINDRA</td>
<td>13DR1R0041 TO 13DR1R0060</td>
</tr>
<tr>
<td>4.</td>
<td>Mr. HASSAN</td>
<td>13DR1R0061 TO 13DR1R0080</td>
</tr>
<tr>
<td>5.</td>
<td>Ms. MADHAVI</td>
<td>14DR1R0001 TO 14DR1R0020</td>
</tr>
<tr>
<td>6.</td>
<td>Ms. RAJANI</td>
<td>143DR1R021 TO 14DR1R0040</td>
</tr>
<tr>
<td>7.</td>
<td>Mrs. FATIMA ROSE</td>
<td>14DR1R0041 TO 14DR1R0060</td>
</tr>
<tr>
<td>8.</td>
<td>Mrs. ASEERVADAMMA</td>
<td>14DR1R0061 TO 14DR1R0080</td>
</tr>
<tr>
<td>9.</td>
<td>Mrs. SRIKALA</td>
<td>14DR1R0081 TO 14DR1R0099</td>
</tr>
<tr>
<td>10.</td>
<td>Mrs. SIRISHA</td>
<td>14DR5R0001 TO 14DR5R0007</td>
</tr>
</tbody>
</table>

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If „yes“, detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

Yes. The institution has a mechanism to help students in choosing their career and placement opportunities. The institution offers soft skills programs. Students are encouraged to take internships. The institution conducts aptitude tests, mock interviews for the final year students. The institution prepares the data base of students as per the requirements for the companies and organizes the campus interviews. The placement and training officer conducts regularly career guidance through career fests and job melas. The cell also helps students how to
make CVs.

The following is the list of the companies visited for placement drives and the number of students placed.

**PLACEMENT DETAILS**

<table>
<thead>
<tr>
<th>Company</th>
<th>Placed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sipra</td>
<td>25</td>
</tr>
<tr>
<td>Cipra</td>
<td>10</td>
</tr>
<tr>
<td>Ranbaxy</td>
<td>14</td>
</tr>
<tr>
<td>Glinmark</td>
<td>07</td>
</tr>
<tr>
<td>Gsk</td>
<td>15</td>
</tr>
<tr>
<td>Nifty</td>
<td>07</td>
</tr>
<tr>
<td>Divis</td>
<td>09</td>
</tr>
<tr>
<td>Triveni</td>
<td>09</td>
</tr>
<tr>
<td>Appolo Pharmacy</td>
<td>75</td>
</tr>
<tr>
<td>Ramesh Hospital</td>
<td>30</td>
</tr>
<tr>
<td>Clinical Tech</td>
<td>25</td>
</tr>
<tr>
<td>Pharmacovigilance</td>
<td>45</td>
</tr>
</tbody>
</table>

5.1.10. Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

Yes. The grievances redressal cell is existing in our institution and is constituted as per AICTE norms. The cell will solve the grievances if any addressed to the HoD or to the Principal. General issues relating to class room teaching, library canteen, hostel, Mess, Transportation have been received and resolved by this cell. The composition of the grievances redressal cell consists of:
<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. P. Parthiban</td>
<td>COORDINATOR</td>
</tr>
<tr>
<td>2.</td>
<td>Dr. B. Senthilkumar</td>
<td>Member</td>
</tr>
<tr>
<td>3.</td>
<td>Dr. AK. Ganachandran</td>
<td>Member</td>
</tr>
<tr>
<td>4.</td>
<td>Mrs. M. Fatima Rose</td>
<td>Member</td>
</tr>
<tr>
<td>5.</td>
<td>Mr. Phanindra</td>
<td>Member</td>
</tr>
<tr>
<td>6.</td>
<td>Mr. Srikanth</td>
<td>Member</td>
</tr>
</tbody>
</table>

The function of the cell is to discuss the grievances received from the students and suggest report to the principal with recommendation. 

Grievances received and action taken:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Grievances Received/Reported</th>
<th>Action taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Subject allotment (changing of subject)</td>
<td>Gave the preferred subject</td>
</tr>
<tr>
<td>2.</td>
<td>Installation of earth mats</td>
<td>Purchase order is placed</td>
</tr>
<tr>
<td>3.</td>
<td>Changing of department level administrative activities</td>
<td>Relieved from project coordinator duties &amp; appointed as</td>
</tr>
<tr>
<td>4.</td>
<td>Furniture requirement</td>
<td>Arranged the required furniture</td>
</tr>
<tr>
<td>5.</td>
<td>Reduction of workload</td>
<td>Some part of work load is assigned to other faculty</td>
</tr>
<tr>
<td>6.</td>
<td>Library books</td>
<td>Sanctioned more library books as per required</td>
</tr>
</tbody>
</table>

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

Policy of the institution is to issue cause notice and terminating
the services of an employee for any sexual harassment. With respect to the students, if any sexual harassment is reported, matter will be reported to the police for action and transfer certificate is issued to the student. So far, no such incident has taken place in the institution.

5.1.12. Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

Yes. There is an anti-ragging committee in the institution. Students are instructed not to indulge in activities of ragging. Circulars are issued before the commencement of the class work and wide publicity is given in students‘ prospectus books instructing students not to indulge in ragging. Caution boards are also displayed in prominent locations and on the notice board as per the directive of the Supreme Court and the Govt. of A.P. Parents were also informed about the consequences of ragging inside the college or outside the college. Students are made to swear an affidavit before the academic year stating that they will not indulge in any ragging or anti-social activities. No ragging has taken place since the inception of the institute.

The following members constitute the anti –ragging committee:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mr. PJV SAGAR</td>
<td>COORDINATOR</td>
</tr>
<tr>
<td></td>
<td>Ms. MADHAVI</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Ms. RAJANI</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Mrs. ASEERVADAMMA</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Mrs. SRIKALA</td>
<td>Member</td>
</tr>
</tbody>
</table>

5.1.13 Enumerate the welfare schemes made available to students by the institution.
The institution makes several welfare measures for the benefit of the students. The institution gives fee concession and fee waiver to the deserving students under the B-category seats. It also allows payment of fee in installments to the needy students. Institution offers prize money to the meritorious students. There is a health service in the college and in the hostel, wherein the doctor and the attender looks after the health related problems for both students and faculty at free of cost. Medicines are available with the doctor. Institution also offers canteen facility at reasonable rates. There is an ATM available in the campus. Stationary and student books along with the Xerox facility are available. Internet facility in the institution with Wi-Fi connection beyond working hours is made available. Library is kept open on all the days including holidays and is kept open for 12 hours in a day.

5.1.14. Does the institution have a registered Alumni Association? If “yes” what are its activities and major contributions for institutional, academic and infrastructure development?

Yes. The institution has a registered alumni association registered in the year 2014. Its main aim is to bring together, all the former students to the institution, share their experiences, and extend their helping hand for the betterment of the institution. Academic support is also taken from the alumni association in improving the methodology of teaching. The Alumni association meets once in a year.

5.2. Student Progression

5.2.1. Providing the percentage of students progressing to higher education or employment (for the last four batches) highlight the trends observed.

A majority of students from our college seek employment through
campus placements. However there are some students who go for higher studies to improve their qualification and contribute their knowledge to the society. The details of our students opting for higher education are shown in the following table for the last 4 years.

<table>
<thead>
<tr>
<th>S. No</th>
<th>Dept of Pharmacy</th>
<th>2015-16</th>
<th>2013-12</th>
<th>2012-13</th>
<th>2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>UG to PG</td>
<td>25</td>
<td>14</td>
<td>20</td>
<td>23</td>
</tr>
<tr>
<td>2</td>
<td>Recruitment through campus selection</td>
<td>15</td>
<td>18</td>
<td>10</td>
<td>05</td>
</tr>
<tr>
<td>3</td>
<td>Recruitment outside the campus.</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
</tr>
</tbody>
</table>

5.2.2. Provide details of the programme wise pass percentage and completion rate for the last four years (course wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

The pass percentage and course completion rate for the last 4 years is indicated in the following table. Our institution is rated very high in performance and pass percentage of students as compared to the neighboring institutions in the vicinity and we rank among the top 5% of the institutions located in the Krishna District in terms of performance and employment.
Our Institution Results for the past 4 years

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Appeared</td>
<td>Passed</td>
<td>Pass %</td>
<td>Appeared</td>
</tr>
<tr>
<td>BPH UG</td>
<td>89</td>
<td>77</td>
<td>94</td>
<td>96</td>
</tr>
<tr>
<td>MPH PG</td>
<td>42</td>
<td>34</td>
<td>81</td>
<td>27</td>
</tr>
<tr>
<td>Pharm.D</td>
<td>19</td>
<td>13</td>
<td>64</td>
<td>-</td>
</tr>
</tbody>
</table>

Results of other neighboring institution NIMRA College of Pharmacy

<table>
<thead>
<tr>
<th>PHARMACY</th>
<th>2015-16</th>
<th>2013-14</th>
<th>2012-13</th>
<th>2011-12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Appeared</td>
<td>Passed</td>
<td>Pass %</td>
<td>Appeared</td>
</tr>
<tr>
<td>BPH UG</td>
<td>45</td>
<td>20</td>
<td>44</td>
<td>40</td>
</tr>
<tr>
<td>BPH PG</td>
<td>20</td>
<td>10</td>
<td>50</td>
<td>15</td>
</tr>
</tbody>
</table>

5.2.3. How does the institution facilitate student progression to higher level of education and/or towards employment?

The institution is offering five PG programs leading to M.Pharmacy degree of the JNT University Kakinada with the following specializations.

1. M.Pharmacy: (Pharmaceutics)

2. M.Pharmacy: (Pharmaceutical Analysis and Quality Assurance)

3. M.Pharmacy: (Pharmacology)

In addition to the above, the institution also trains the students for placement by the training and placement officer, industrial experts, R&D scientists. The institution also provides a pre-placement training for the students in terms of aptitude test, group discussion, on-line mock test, communication language and written test for all the students of the institution. Institute also organizes career guidance through career
guidance cell. The cell guides the students about the job skills and new opportunities both in our country and outside in terms of academics and employment. The following are some of the related training offered to our students.

5.2.4. **Enumerate the special support provided to students who are at risk of failure and drop out?**

The institution has been adopting good practices since inception to see the student drop out is minimum. As on today there are no drop outs in the institution. This is because of the continuous support of the teachers in teaching delivery mechanism, supplying subject notes, arranging revision classes and tutorials and also extended library hours. The institution conducts special coaching, and practical sessions for the needy students. It calls for meeting of the parents of the students and counsel them to see that their children study well at home. The involvement of parent in the progress of the ward has proved and improved academic performance.

5.3. **Student participation and Activities**

5.3.1. **List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.**

The institution has a physical director and to train the boy and girls students in both sports and games. The physical and mental fitness of the students is found to be improved when the students participate in sports and games. The institution has provided required infrastructure along with games and sports material under the supervision of the physical director. Institution has indoor games facility along with developed play grounds. The physical director conducts separate coaching for girl’s students to pick up talented players for participation.
in inter college tournaments and athletic events. For indoor games facilities like table tennis, chess, caroms, badminton are provided. For outdoor games, volley ball, through ball, tennikoit, cricket facilities are provided. A sports day is organized by the institution and the best players in all the above events are awarded medals/shields along with a certificate on the annual day.

Institution also organizes literary and cultural activities under the supervision of a faculty member. The institution under this head organizes teachers’ day, engineers’ day, annual social gathering, debates, blood donation camp, NSS camp etc., for girls’ students, Rangoli competition is celebrated on sankranti. Navarathri celebrations, Ganapathi celebrations are also celebrated with full enthusiasm both by faculty (faculty) and students. Poster painting Photography and Mehendi competition are organized by the institution. Institute also conducts technical paper presentation, innovation, project presentation, software development programs for students. The academic calendar contains all these details.

Under the NSS program, the institution had adopted nearby chevitikallu village where in the faculty and students visit the rural people and educate them on health matters, AIDS awareness program, tree plantation, general health checkup, eye checkup, Adhar Card distribution, issuing Voter ID application forms, etc., The villagers and the Village Sarpanch has appreciated the camp conducted by the institution.

5.3.2. **Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal /National/ International, etc. for the previous four years.**
The institution encourages and supports the students to take part in various co-curricular, extra-curricular and cultural activities. Our students have participated in various activities conducted in our institution and other institutions and won prizes / certificates. The institution also offers cash prizes to the students, who excel their performance in co-curricular activities.

The following table presents the details of participation of students in paper presentation, technical exhibition, technical quizzes, etc.

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5.3.3. How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The institute conducts Alumni meeting once in every year, seek the opinion and collects feedback from them. Feedback about the performance of the institution is also obtained from the parents, Industry representatives, R&D organizations. After the campus selection of students by companies is over, feedback is also obtained from the interviewers, about the institution performance and what the
industry is looking / expecting from the institution. Feedback is also obtained from the students at the end of every semester, about the faculty, departmental performance and any other issue related to the Institution, course of study and students. Most of the issues which rose (raised) by the students are solved at the level of HOD’s. The other issues which are not solved by the HOD’s, then those issues will be forwarded to the principal or the management for redressal. The feedbacks obtained from the students are for the corrective actions. Institution analyses the feedback for improvement in curriculum, infra-structure facilities, teaching learning process, information systems, canteen, hostel, library, transport etc.

5.3.4. How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

The institution encourages students in paper presentation, poster and other competitions. Faculty extends all the help to the students for their involvement by different advertisements and guides them properly. Students are also involved in various committees in organizing conferences, workshops, seminars, guest lectures, etc., College conducts paper presentation, and the best paper presentation is selected by a group of experts and the student is honored with a cash prize and a certificate.

The institution encourages students to publish scientific and technical papers in magazines, newsletters, local daily news papers. The college magazine provides a platform to bring out the hidden talent of students.

5.3.5. Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding
Yes. Institution has student counselor. It selects a member from the student counsel from each section for each department. One class representative is selected from each of the boys and girls. The counselor meets regularly with the principal and HOD’s once in a month, give his feedback about the academic progress. It also plans the co-curricular and extra-curricular activities, sports and games events in consultation with the principal. The institution makes budgetary allocation for the events organized by the above counsel Via: technical talks, workshops, aptitude test, expert lectures, technical quizzes etc. In addition to the departmental associations, there are chapters of ISTE, IEI, under which the above events are conducted.

5.3.6. Give details of various academic and administrative bodies that have student representatives on them.

Student representatives are nominated in various committees like departmental students association, library committee, Sports committee, Canteen Committee, Hostel Committee, Transport Committee, NSS committee.

5.3.7. How does the institution network and collaborate with the Alumni and former faculty of the Institution. Any other relevant information regarding Student Support and Progression which the college would like to include.

The institution has a registered alumni association. Alumni association meeting is conducted regularly once in a year. Institution invites alumni to give their opinion and request them to interact with the students to share their knowledge and their experience in industry and R&D organization.

Former faculty members are also invited to the institution and deliver lectures in advanced topics in Pharmacy and science.
Criterion –VI

Governance Leadership and Management

6.1. Institutional Vision and leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution’s distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution’s traditions and value orientations, vision for the future, etc.?

Vision: To strive for creating (NCPER) as a “centre of excellence” in the field of Pharmaceutical education leading towards research and development involving various disciplines of pharmaceutical sciences for better health care systems at global standards

Mission: To strive in fulfilling the vision of the organization by effectively utilizing the human resources and technological developments in innovating new health care systems and newer drug molecules for the benefit of human beings across the globe.

Mission statement outlines the institute’s distinctive objectives as follows:

A. Delivery of quality and value based education
B. Development of Students to satisfy the stake holders.
C. Promotion of research and development

Institution is committed to impart quality education along with ethical values and morals. To achieve the above, the institution has a clear policy to maintain quality at all levels, that includes good ambience and infrastructure, qualified faculty, teaching learning methodology, latest
equipment in the laboratories, well connected Wi-Fi network, good library and reading material and other related process. Institution believes in value based education.

Institution has a policy to develop and to meet the student's requirements, the parents, industry and the society. In this endeavor, the skill sets and the knowledge required for the students to live on their own legs after completion of degree is imparted. Institution closely develops a liaison with industry, R&D organization and reputed academic institutions.

The institution understands the need of the research for development of society and lifelong skills of the students. Institution encourages, faculty and students in carrying out R&D work. Institution motivates the students to go for higher studies and develop research culture among the students.

6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The management of the institution gives direction and guidance to the head of the institution in implementing the institution quality policy and the plans for the development of the institution. The management conducts periodic meetings to review the quality policy and development of the institution. Facilities like infrastructure, staff requirements, transport, canteen, hostel, library, internet facilities are provided by the management. On all working days, few management members are available in the institution to guide and advice the principal on the policies of the management. The management assures that the services of the principal and the faculty are implemented with commitment to the requirements of the students. Required standards are maintained in all the activities, including teaching learning process, co-curricular, extracurricular, research and development activities are
periodically reviewed by the management.

The management interacts with the head of the institution and solves the difficulties/problems raised by him on day to day basis. It strives to implement the policy laid down by the BoG, through the Principal of the institution. It provides the required funds towards salaries of faculty and staff; improve the quality of infrastructure, equipment in the laboratory, teaching learning process and research. The management also appreciates the achievements of the faculty, and the students and gives appreciation certificates and prizes on the college day. The senior faculty members are advised to visit National institutes of repute and implement the best policies adopted by them in our institution.

There is a laid down quality policy of the institution that is incorporated in the service rules of the institution along with responsibility and delegation of power. The principal and the HODs make plan for academic, teaching learning and research activities. Principal also update about the global education scenario, research in Pharmacy education, industry institute interaction to the faculty and motivates them. Principal also advises students on the quality policy of the institution. He also develops means and tools to measure the quality that includes the external academic auditing. He also develops liaison with eminent academicians, scientists, industries, professional bodies etc., to plan and implement the quality measures. Principal, faculty and students plan and implement quality improvement program and extension program for quality enhancement. In consultation with the management, principal plans, the introduction of new courses.

Faculty plays a major role in design and development of quality policy. Faculty plans and delivers the academics as per the quality policy of the institution including lesion planning and execution, introduction of add on courses, add on experiments in laboratory, seminars and workshops
for enhancement of the quality. Faculty also counsels the students about the importance of quality. They periodically interact with the parents and alumni and seek their advice in implementation of the quality policy of the institution. Faculty takes efforts to embed values and ethics in education.

6.1.3. What is the involvement of the leadership in ensuring? (ensuring):

- The policy statements and action plans for fulfillment of the stated mission

- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan

- Interaction with stakeholders

- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders

- Reinforcing the culture of excellence

- Champion organizational change

The policy statements and action plan for fulfillment of the stated vision is as follows:

The Leadership is totally involved in deciding the policy statements and action plans. The policy statements have concurrence with the vision and mission of the institution. The principal and HoDs prepare action plan to implement the policy laid down by the management. The plans include academics, infrastructure, best practices adopted, tie up with national institutes of repute to enhance the image of the institution and to satisfy the stake holders. Using the action plan, the leadership develops the strategic plan. It decides (the) funding, teaching learning,
faculty requirements evaluation, research and industry institute interaction etc., Previous experience is taken into account in deciding the strategies. Strategies are adopted for the support and growth of the institution. (adopted support the growth of the institution.)

Regular meetings of the BoG take place. The principal of the institution also conducts meetings with the faculty, students, industry experts, R&D experts, parents, alumni to seek their advice in implementing (implementation) the mission of the institution. The stake holders are actively involved in co-curricular and extracurricular activities. The leadership visits the Universities, Research Centres, Industries, to understand their needs from the academic institutions. It also collects inputs from the above and try to implement them in the institution.

The culture in creating excellence among the students is carried out by (in) providing prizes for excellence in academics by the students. The students who excel in their academics Viz: interns of final examinations, GRE, TOEFL, IES and other examinations are also given prizes. This step has created competition among the students and a majority of our students have excelled in such examinations. The management also appreciates the faculty and students for innovation and bringing in research culture. Institution also invites experts from academics, scientific fields, (field,) industry and seek their views about achievement of excellence in related areas. Organizing workshops, seminars, conferences, career guidance programs for faculty and students has resulted in reinforcing the culture of excellence in the institution.

The institution apart from teaching the regular subject, conducts programs to inculcate moral values and ethics among the students. The students of their institution are taken to a nearby village once in a semester to understand the problems of rural villages and the life they lead in rural areas without electricity and potable water. The institution
takes the opinion from these students and help the needy as and when required.

The institution makes use of the performance of students in terms of pass percentage, placement percentage, and percentage in conferences and publication in journals, consultancy work to design and develop appropriate strategies. The details of these are communicated to the employees so that, they execute and accomplish the requirement as per the strategies set.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The institution keeps on monitoring the performance of the students and the faculty and evaluates (evaluate) the policies and plans for effective implementation from time to time. The following is the procedure adopted:

Teacher plans the course well in advance. The syllabus is divided in to modules and lesson (lesion) plan is carried out month wise and the syllabus is completed well in advance. This is done by the subject teacher in consultation with the HOD. Subject teacher and HOD monitors the daily/weekly/monthly attendance of students and use this delivery of academics. The parents are alerted by SMS in case the student is absent on a particular day/ particular class. Institute conducts regular tests and monitors (monitor) the performance of the students. The affiliating University conducts mid semester examinations and end examinations. The results of such examinations are analyzed and taken appropriate remedial action is taken. Student representatives meeting along with the subject teacher are (is) conducted by the HOD and their opinion is taken in completing the syllabus by the subject teacher.
Institute also conducts parent meeting, alumni meeting and industrial experts meeting as and when required. Project reports, paper presentations innovative ideas in developing experiments are encouraged by the institution. Institution takes feedback from students, parents, alumni, industrial experts for the betterment of the institution. Several committees are constituted by the principal to monitor and evaluate the policies of the institution for improvement. Some of these are academic planning committee, academic monitoring committee, time table committee, students counseling committee, placement cell, sports committee, canteen committee, hostel monitoring committee, transport committee, anti – ragging committee, grievances and redressal committee, discipline monitoring committee, etc., Every committee has its own objective and its performance is reviewed by the principal from time to time.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The management of the institution gives full freedom to faculty members in presenting their views and suggestions for the development of the institution. Faculty members are part of the decision making process at all levels. They are members of various committees constituted by the principal like, class committee, students counseling, grievances redressal committee, purchases committee, discipline committee, time table committee, anti ragging committee, hostel committee, entrepreneur development cell, alumni association, college day committee, graduation day, sports day etc., in which the faculty members provide suggestions on various issues.

The institution also provides leadership among the faculty in independently organizing orientation programs, induction programs, seminars, workshops, development of new and innovative experiments,
etc.,

6.1.6. How does the college groom leadership at various levels?

The institution tries to build up leadership among the faculty at all levels. Institution has de centralized the duties and responsibilities from the head of the institution to the junior most faculty. This helps in taking quick decisions without approaching the higher ups. It involves senior persons in decision making and implementation process. The main levels are the administration, academic, carrier guidance, training and placement, research and students activities.

Institute organizes various activities like games, social and co-curricular and extracurricular activities to enhance the leadership in faculty and students. Almost all students’ programs (program) are headed by the students thereby the students will develop the leadership qualities in organizing such events. Career guidance cell arranges seminars on leadership development. Institute nominates students on hostel management, canteen management, sports management, etc., to make them take decisions and develop leadership qualities.

Among the faculty the leadership quality is observed in participation of departmental activities, preparation of institution budget, purchase of equipment, conducts various activities independently as suggested by the principal. The principal exhibits leadership in development of the institution, in formulating the academic and administrative activities, coordinating effectively with students, staff, faculty and the society.

The management always encourages the principal, faculty and the staff in improvement of the effectiveness and efficiency of the intuition.

6.1.7. How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work
towards decentralized governance system?

The BoG of institution has delegated powers to the head of the institution and decentralized the governance system.

Autonomy to all departments is given. Budget is placed at the disposal of the head of the institution. Powers are delegated to the HoDs in organizing workshops, seminars, preparation of class work, distribution of work to the faculty, teaching content beyond syllabus, inclusion of new and innovative experiments, nomination of faculty members as lab in charge etc., as desired for the betterment of the department. The HoDs prepare the academic schedule in consultation with the faculty members of the department. The HODs (HoD's) and faculty are empowered to give recommendation letters to the outgoing students of our institution.

The institution also delegated authority to the administrative unit of the institution. The administrative unit provides transport facilities for faculty and students, it plans journey routes and take care of vehicle maintenance. The administrative department gives certificates like, bonafied, attendance, railway concession, etc., independently as per the requirements of the students. This unit also has autonomy in overseeing the functions of canteen, hostel, and any other matter related to the students. It implements the store's inventory system and purchase of equipment, passes of bills for payment of money to the vendors.

6.1.8. Does the college promote a culture of participative management? If “yes”, indicate the levels of participative management.

Yes, the institution promotes the culture of participative management. The participative managements are management of the institution, principal, HOD's, Faculty, non-teaching staff and students. At each level, there is an active participation in planning and implementation. The
faculty is actively involved in planning and implementing the academic calendar and teaching learning process. The co-curricular and extracurricular activities are planned and organized by the faculty, non-teaching staff and students. HOD’s involvement is mostly in development, procurement, selection of junior faculty, program and activities, starting of new programs, etc. The managing committee of the institution has representatives of faculties. The principal of the institution is a member secretary of the BoG. The BoG gives suggestions and monitors the procurement, introduction of new programs and welfare activities. The head of the institution is responsible for academic, nonacademic and administrative activities of the institution. On behalf of the institution, he interacts and corresponds with AICTE, Commission of Technical Education, Govt. of A.P., UGC, Affiliating University, etc.,

6.2. Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

Yes. The institution has a stated quality policy. The quality policy is to plan and implement, innovative teaching and learning process, to provide quality education, with futuristic trends in Pharmacy and technology, to develop the institution in the years to come as a leading technological learning and research institution, to strive in establishing quality management system ensuring continual improvement.

Based on the vision and mission of the institution, the BoG has framed the quality policy driven by the needs of the society, stake holders, industries, to bridge the gap in curriculum through providing good infrastructure and conducive learning environment, building harmonious work culture, the needs of the society, and aspirations of
the parents. Considering the quality policy of the institution, the perspective plan has a short terms and long terms goals. Some of the major goals are establishment of research center, Centre of excellence in each department, skill development center, community project center.

The institution propose to establish the above as early as possible after obtaining the autonomous status from the affiliating University/UGC.

6.2.2. Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

Yes. The institute has a perspective plan for development. It is developed by the head of the institution, under the guidance of the BoG. Based on the academic calendar given by the affiliating university, programs of various departments and examination schedules are prepared in consultation with the HOD’s. The planning and execution is monitored by the principal regularly. Adequate annual budget is part of the development plan. The aspects that are included in the perspective plan are drawn from the recommendations of the following committees: Via: Academic Council, Student Council, Entrepreneur Development Cell, Grievances Redressal Cell, Anti ragging committee, library committee, hostel committee, transport committee, etc.,

The perspective plan of the institution is to obtain accreditation from NAAC, NBA, Permanent Affiliation from the University, Autonomous status from the University, Autonomous status from the UGC, MoU’s with Industries, Establishment of R&D Center, establishment of Incubation centre and obtaining the status of Top ranked Pharmacy Institution in the state of A.P.

6.2.3. Describe the internal organizational structure and decision making
processes. The institution function is based on the organization chart shown below.

All decisions are taken by BoG and the BoG directs the principal for implementation through the heads of the departments and other bodies.

6.2.4. Give a broad description of the quality improvement strategies of the institution for each of the following:

- Teaching & Learning
- Research & Development
- Community engagement
- Human resource management
- Industry interaction

Institution has the strategy of planning academic activities, before the beginning of the semester/year. The academic calendar is given by the affiliating University and the faculty prepares work schedule/work plan and implements in (the) academics. Internal evaluation is carried out by the faculty, and semester examinations are conducted by the University. The evaluation results are analyzed and students’ (students) feedback is obtained and necessary changes are made in the delivery of subject. The institute makes use of the innovative teaching learning methods using LCD projector, OHP, Charts, Video clippings wherever possible, apart from the conventional black board teaching.

Faculties are encouraged to attend workshops, seminars, conferences faculty development programs organized outside the college. Faculties (Faculty) are encouraged to pursue research by providing them leave for higher studies, internet connection, library and other facilities.
Institute encourages faculty, by giving rewards and appreciation letters to the faculty carrying out R&D. Faculties are involved in research, contributing research articles in seminars and publishing them in reputed journals. (involved in research have contributed research articles in seminars and have published in reputed journals.)

Institute conducts NSS activities related to health and hygiene, environment, literacy among the rural people, blood donation camp AIDS awareness camp etc. The students of the college thus get an opportunity to serve the villagers.

HR management is well defined for recruitment based on the merit of the applicant. It also provides better teaching learning environment. HR policy includes the faculty to attend seminars, workshops, invited lectures, research activities. It also conducts the training and induction programs for the employees.

Institute has Industry Institute Interaction Cell. It has signed MoU’s with nearby industries. It conducts regular meetings and gets suggestions for curriculum developments, as required by the industry. These suggestions are forwarded to the University for incorporating in the syllabus, as and when revised. The Cell encourages faculty for industrial training. It organizes the student’s visits to industry and encourages students to take up industry based projects during final year of degree/PG. It is also proposed to provide the internship to students to gain hands on work experience that a student will not normally get in a class room.

6.2.5. How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities
of the institution?

The head of the institution collects feedback from students, parents, industry, faculty, HOD’s, etc., by using the format which is developed by the institute. The HOD interacts regularly with the principal and in turn the principal of the institute interacts with the regulatory bodies, like AICTE, JNTUK, UGC, through formal letters, meetings, and takes suggestions and guidance. The principal also meets the BoG and conveys the feedback of the regulatory bodies. The BoG members are always available in the institution and if any emergency matter is required, it will be taken to the notice of the members. The management gives suggestions to the head. The principal also presents the detailed annual report of activities of the institution. The principal also organizes the meetings with the parents, alumni, industry, R&D experts and presents a report of the institution and seeks their suggestion for the betterment of the institute. Management members are accessible to the head of the institution in all the time for guidance and suggestions.

6.2.6. How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The management encourages and supports the involvement of staff in improving the institutional process. Faculty are encouraged to go for higher education, attend seminars, workshops, conferences, conducted by reputed institutions. This improves the effectiveness and quality of the faculty and enhances the efficiency of the institutional process though effective involvement of teachers.

6.2.7. Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The institution is affiliated to the JNTU Kakinada. Being an affiliated
institution, there is no management council, but has a BoG. The
governing body has resolved to recognize the good work of the faculty
who is instrumental in obtaining good results for a particular subject in
the class and motivate others to perform better; the best project report
of UG and PG is to be rewarded. To encourage teachers, to take up
research work, the faculties are provided with one semester leave on
request. (and provide one semester leave.)

6.2.8. Does the affiliating university make a provision for according the
status of autonomy to an affiliated institution? If „yes”, what are the
efforts made by the institution in obtaining autonomy?

Yes. The affiliating University makes provision for according the status
of autonomy to affiliated institutions. Our institution is planning to apply
for the autonomous status after getting NAAC Accreditation.

6.2.9. How does the Institution ensure that grievances / complaints are
promptly attended to and resolved effectively? Is there a
mechanism to analyse the nature of grievances for promoting
better stakeholder relationship?

Institution has a grievances redressal cell to resolve the grievances of
students and faculty. Grievances / redressal committee provide complaint
boxes at various locations in the institution. The committee conducts
meetings frequently to resolve grievances immediately if any. The anti-
ragging committee functions well in the college and the committee
members display the anti-ragging notices against ragging in the notice
boards.

6.2.10. During the last four years, had there been any instances of court
cases filed by and against the institute? Provide details on the
issues and decisions of the courts on these?
No

6.2.11. Does the Institution have a mechanism for analyzing student feedback on institutional performance? If “yes”, what was the outcome and response of the institution to such an effort?

Yes. The institution has the mechanism for analyzing the student feedback. The feedback form from the students regarding faculty members teaching, facilities available in the institution and improvements if required are periodically collected and analyzed. Institute also conducts, class committee meetings, alumni meeting and analyze them. Remedial measures if required are taken immediately. The feedback form is filled by the students and it helps the administration and the principal to interact with faculty and HoD’s to improve the institution performance. Problems beyond the control of the principal will be focused to the management. At the BoG meeting these problems are discussed and solution is offered to the principal for implementation.

6.3. Faculty Empowerment Strategies

6.3.1. What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

The institution has laid down policy to support the teaching and non-teaching staff to enhance professional development. It encourages faculty members to interact with state, national, professional bodies, providing latest study material including e-journals, providing internet facility to the faculty, encouraging faculty to take part in refresher courses, seminars, workshops etc.. Institute encourages faculty by providing leave and other facilities for higher studies.

6.3.2. What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the
employees for the roles and responsibility they perform?

Faculty are encouraged to upgrade their qualification, to attend seminars/conferences, to involve in college administration, awards and rewards to the meritorious teachers, based on their teaching and other work related to the college. Free transport facility is provided to the staff members. Woman faculty members are given maternity leave and increments are granted annually in the pay scale.

6.3.3. Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Self-appraisal form is supplied to all faculty members and staff members in every year by the institute the faculty and staff members complete and submit them to the HOD. The appraisal form consists information about the activities of faculty like teaching, research, co-curricular, extracurricular, counseling of students, study material development and the development of new and innovative experiments. The appraisal committee scrutinizes them and refers to the Principal. Based on the committee report, the faculty members are rewarded/given the appreciation certificates.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The appraisal report is used for the regularization of the services of the staff after probation period is over. It also decides about the promotions, granting deputation, study leave, special leave, sponsoring for Ph.D. degree. It also decides to offer additional increments and rewards based on the self-appraisal.
6.3.5. What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

The following welfare schemes are available for the teaching and non-teaching staff. These are, free transportation to all employees, maternity leave is provided for woman staff members, earned leave and medical leave is provided, fee concession is given to employees children, medical facility is also available in the institution at free of cost.

6.3.6. What are the measures taken by the Institution for attracting and retaining eminent faculty?

The institution always tries to attract eminent persons and retain them. The institution provides freedom of work and gives opportunity in the domain as per the liking of the individual. Additional increments are given to the eminent faculty in their pay scale. Transport is arranged at free of cost. Institute creates facilities for R&D work and consultancy.


6.4.1. What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The financial resources of the institute are managed in very effective manner. A fully computerized accounts department is functioning in the institution. The following types of accounts are in operation.

1. Receipts and payment accounts

2. Income and expenditure accounts


The institution prepares the budget after taking into account of the
sources of earning and expenditure. It mainly allocates fund for the salary of its staff and faculty. Infrastructure development, faculty development, research, library, canteen, hostels are the other recurring expenditures. The institution monitors the earnings by the admissions of the students in to the institution and revenue collection in the form of deposits (loans from banks), interest derived on deposits and other assets.

Salary component, infrastructural requirement based on increased intake and new courses, the equipment in laboratories, furniture, books, journals and sundry expanses are considered as expenditure. This study is carried out in association with the management, chartered accountant, financial managers based on previous year expenditure.

6.4.2. What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

The institution carries out internal audit quarterly and external audit yearly. The external audit is done during the month of April and May in every year. The audit report is enclosed.

6.4.3. What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major source of income for the institution is the collection of tuition fee for B-Category students as stipulated by the Govt. of A.P. and fee re-imbursement by the Govt. of A.P. In case of deficit financing, loans are taken from banks to meet the expenses. The following table indicates the funds utilized and the balance available
for the last 4 financial years.

<table>
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<tr>
<th>Year</th>
<th>Revenue</th>
<th>Expenditure</th>
<th>Excess/shortfall</th>
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<td>2012-13</td>
<td>68480174</td>
<td>27726225</td>
<td>40753949</td>
</tr>
</tbody>
</table>

6.4.4. **Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

Efforts are being made by the institution in securing additional funds for infrastructure development and R&D activities from funding agencies like AICTE, UGC, DST and DRDO. As on today no additional funds are received. Unsecured loans will be raised to meet the deficit of funding whenever required.

6.5. **Internal Quality Assurance System (IQAS)**

6.5.1 **Internal Quality Assurance Cell (IQAC)**

a. Has the institution established an Internal Quality Assurance Cell (IQAC)? If „yes‟, what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

d. How do students and alumni contribute to the effective functioning of the IQAC?
e. How does the IQAC communicate and engage staff from different constituents of the institution?

The institution has established IQAC. It strives to achieve excellence in teaching-learning, research and lifelong learning.

IQAC reviews institutional processes and gives suggestions for quality assurance. Some of the suggestions made by IQAC are:

a. Use of innovative teaching methods
b. Organization of workshops and Seminars
c. Organization of national conferences
d. Add on courses beyond syllabus
e. Research project funding from AICTE, DST, DRDO etc.
f. Faculty motivation for higher studies
g. Faculty motivation for writing text books
h. Students motivation for carrying out live and innovative projects

A majority of the above suggestions made by AICTE, PCI are implemented in our institution like implanting innovative teaching methods, organizing workshops and conferences, teaching add on course beyond syllabus, taking membership in professional bodies like APTI, IPA, FIC, etc..

The Institutional AICTE, PCI has external members and its committee. The committee evaluates the faculty performance and guides them for improvement in teaching learning.

JNTUK also interacts with students and alumni. Alumni give useful suggestions about restructuring the curriculum and the expectations of the industry from academic institutions. They also give the inputs about
the institutional processes.

PCI visits the departments and conducts meeting with the HoD and faculty. It reviews the achievements of faculty and appreciates their performance.

6.5.2. Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If “yes”, give details on its operationalisation.

Yes. The institution has an integrated framework for quality assurance of academic and administrative activities. It reviews the information which is received from various departments and administrative activities. The outcomes are discussed in the academic council meetings for improvements like, teaching methods, result oriented coaching, extra care for slow learners. It conducts special tests to understand the mathematical level and the grasping level of students. This analysis gives the quality of the students admitted. The IQAC also supervises the theory and the practical skills which are developed among the students. It also uses the grades of University examinations for quality assurance. It also grades the co-curricular and other activities and gives feedback about the quality and necessary measures for improvements.

6.5.3. Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If “yes”, give details enumerating its impact.

Yes. The institution organizes FDP programs, seminars, workshops skill development and leadership programs and encourage the faculty to undergo audit courses to enable them to perform audit.

6.5.4. Does the institution undertake Academic Audit or other external
review of the academic provisions? If „yes”, how are the outcomes used to improve the institutional activities?

Yes. The institute invites academicians and industrial experts and carries out academic audit. This type of audit gives a feedback in the areas where an improvement is needed. The institution accordingly plans and implements the process.

6.5.5. How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

The teaching quality is monitored by the HoD’s and senior faculty regularly. Based on these findings, corrections are implemented if required. The external quality assurance is carried by the affiliating university in each academic year and inspects and reviews the academic process and performance of the institute. Feedback is also taken from all stake holders for improvement. Institution also uses guidelines of professional bodies for quality in education, for development of internal quality assurance mechanism. The quality assurance mechanism of the institution is developed based on the guidelines of quality assurance agencies like, NAAC and NBA.

6.5.6. What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The institution has mechanism to monitor the teaching learning process regularly. Institution makes use of students’ feedback, to review the teaching learning process. The teaching learning process is prepared by the subject teacher in consultation with the senior faculty and HOD. The HOD allocates the subject based on the preference from the faculty and
plans the teaching. Faculty prepares the course file and gets them approved by the HOD. Internal and university evaluation is carried out, student feedback and HOD advise helps to improve the process. Content beyond syllabus and the co-curricular activities are also organized. Add on subjects both in theory and lab experiments are also carried out.

The above process helps in effective delivery of curriculum, development of theoretical and practical skills among the students.

6.5.7. How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders? Any other relevant information regarding Governance Leadership and Management which the college would like to include.

Institution communicates its quality assurance policies, mechanism and outcomes to internal stake holders through meetings, circulars, notice boards and to the external stake holders, Via: Parents, Alumni, Industry and others through college website, mail, brochures, magazines and also by conducting separate meetings with parents, alumni, and industry.

Criterion – VII
Innovation and Best Practices

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7.1. Environment Consciousness

7.1.1. Does the Institute conduct a Green Audit of its campus and facilities?

Yes. Nova College of Pharmaceutical education and Research is blooming green with plenty of trees and greenery since its inception. The institutions strategic plans for development have been driven by love of nature and its sustenance at all costs. The institution believes in environmentally responsible manner and stick to resource practices, such as waste reduction, recycling, re use and energy conservation. Our green efforts of the institution have inspired many other institutions for development of other institutions. The eco-friendly campus consists of good number of rain water harvesting set ups, large number of trees, lawns maintained with water sprinklers, NSS volunteers and gardeners taking care of the garden and green campus.

7.1.2. What are the initiatives taken by the college to make the campus eco-friendly?

Energy conservation

The institution proposes to makes use of solar water heaters in hostels and other places, where ever required. To conserve energy with the existing system, the staff, faculty, students switch off lights, fans and other electrical devices to avoid wastage of energy when they are not in use. Windows are kept open to take advantage of natural light at the work places.

Use of renewable energy

It is proposed to install a bio gas plant in the institution to utilize the kitchen waste an the food waste from the hostel and canteen. The bio gas so generated can be used for cooking in the canteen and in hostels.
**Water harvesting**

Rain water from the top of the building is collected and is either stored or allowed to be sunked into the land. The water so collected is re used for gardening and other places. During summer this water is mostly used from the watershed. It is proposed to install a RO plant in the institution and use this water for the purpose of not only maintaining garden but also take up of growing vegetables in the institution. About 50% of the water so collected is used for this purpose and the remaining water goes towards re charging of the ground water.

**Efforts for Carbon neutrality**

The institution is located away from the city and is surrounded by paddy fields and cotton fields. The institution is committed to lowest CO₂ emission. It is more through campaign and persuasion than by directly reducing the carbon emission. Institution also campaigns greenhouse gases measured in terms of their carbon dioxide equivalence. The dead leaves falling from the tree and the waste papers are never allowed to be put on fire. This helps in keeping the campus free from spreading CO₂ to a great extent.

**Plantation**

Campus takes almost importance in plantation of trees, both medium and long trees to make the campus green and clean. The vast college structure is built up in the mid portion of the Ac.11 land. The mechanical department machinery is away from the main building. The staff, students, parents, alumni are encouraged to plant trees inside and outside the campus. VIPs visiting the institution are requested to plant the trees. NSS volunteers plant saplings in our college and also in the villages adopted by our institution.
e-waste management

Processing of electronic waste causes serious health and pollution problems. Therefore the institution takes utmost care in effectively making use of the e-waste material. Since majority of the electronic devices contain variety of materials we intend to make arrangements to dismantle the system and reuse where ever it is possible. Out dated and low end components are used for demonstration purpose either in our institution or in local schools.

7.2. Innovations

7.2.1. Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Continuous evaluation and monitoring of performance of teachers based on feedback collected from the students and subject pass percentage handled by them. Introduction of tutorial classes, remedial classes, finishing school is integrated in to the time table. This practice has improved the pass percentage of students and has helped in developing learning abilities among the students. Tutorial classes helped the students in solving problems. E-learning, video lectures from NPTEL and QEE lectures have enhanced the teaching learning process. Several innovative methodologies like, quizzes, personality development, cross word puzzles, real time demonstrations, group discussions have been introduced. The principal has appointed a review committee to review all academic activities. The curriculum is devised into modules and the time schedules are planned in advance. In case of shortage, in curriculum design and development, add on subjects and add on experiments are included. Over and above the subject, stipulated by the University about 10 % more is taught to the
students wherever required. More electives are offered to suit the requirement of staff. Students are encouraged to carry out projects in the college. Students are made to write their project reports. This will enhance the report writing among the students. Students profile is collected at the time of admission based on their economic conditions, rural background, medium of instruction, till that date and it helps in orienting the students to the Pharmacy education. Based on this bridge courses and value added courses are framed.

When benchmarked with other Pharmacy institutions, our institution ranked top in the district of krishna and a ranked 807 national wide by "EDURAND"

Students who performed well in their academics and in sports and games are given prizes and certificate of merit on college day. The best student project in each branch is identified and the student is suitably awarded. Innovations in teaching learning methodology is introduced with audio visual aids, demonstration experiments, OHP/LCD projectors, guest lectures, industrial visits etc., apart from the regular black board teaching.

7.3. Best Practices

7.3.1. Elaborate on any two best practices, which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice I:

Title of the Practice: Student skill set enhancement

Goal

The objective is to enhance the following skills among the students,
viz: technical competence, skill development, employability.

The Context

The institution aim is to make the students learn the subject, apply the subject to real life problems. Our endeavor is to make the institution a center of excellence in the coming few years. Students coming from different backgrounds need training to improve their skill in technology and employability. Keeping these in mind, facilities are created to the students to acquire them and enhance them. The college is facilitating the students with opportunities to imbibe these skills with ethics and leadership qualities.

The Practice

The internal assessment of students in theory and practical subjects is done through continuous assessment throughout the course of study. These include, slip test, assignment, internal tests, problem solving, innovative assignments, class assignments, class seminars, mini projects etc. Students are given extra guidance in core subjects of their respective specialization. A question bank is provided comprising of old question papers. This will help the students for their final examination and has yielded fruitful results in improving pass percentage. The institution also offers spoken English classes for I year students, aptitude classes for II and III year students, Finishing school classes for Final year students. The placement cell arranges pre placement training by conducting, group discussion, mock interviews, etc.

Problems Encountered and Resources Required:

Most of students are hailing from villages, hence lot of time is taken to
enhance the communication skills of the students

**Best Practice II:**

**Title of the Practice: Social responsibility of Faculty and Students towards Society**

**Goals:** To develop moral and ethical values among faculty and students, to imbibe education among faculty and students for upliftment of society, to inspire students and faculty of educationally deprived community, to develop social responsibility among students and faculty, to create harmony and peace among all sections of society.

**The Context**

To develop society, the institution has decided to educate the faculty and the students on social, ethical, moral values and value based system in the society. The need of the society is to develop young engineers with ethical values, entrepreneur skill and a bent of mind towards research and development. The research work carried out by the students and faculty should culminate in to a useful product to the society.

**The Practice**

The institution creates awareness among all the concern by the following practices as mentioned. The institution conducts courses on stress management. The experts are invited to the institution for this purpose. Institution conducts NSS programs through organizing blood donation camps, tree plantation, and visit to rural areas and educate villagers about the evilness of untouchability. It also understands the importance of learning throughout life and acquiring life skills and organizing cultural co-curricular programs, tours, and visits
conferences to develop interpersonal skills, decision making etc. Institution also conducts Teachers Day, Pharmacy week, Pharmacist Day to remember the great contribution made by our Dr. Sarve Palli Radha Krishna and Sir. M. Vishweshvaraiah respectively.

Institution gives priority and concession in tuition fee to economically weaker students in deserving cases. Institution has code of conduct for staff and students. Institution provides information about government aids freeship, scholarship, competitive examination to the students and to the faculty. The Central Library is kept open beyond working hours. Health camp is organized regularly among the faculty, students and staff. One village is adopted every year and students will educate them. Medical camps are arranged in the surrounding villages

**Evidences of success:** With the above innovative practices adopted by the institution, the success rate in terms of pass percentage, employability and ethical and moral values has improved considerably. This practice of inculcating moral values and ethics helped our faculty and students in going to villages and convincing them in keeping the village clean, follow sanitation, use purified drinking water, keep away from contagious diseases, etc., thus the institution to some extent transformed the life of common man in villages through our faculty and students.

**Problems encountered:**

Due to limited resource of the institution our faculty and students have not adopted more villages to do the above job. A separate budget if allocated by any agency will help the institution to do more meaningful work in the villages.

**Contact Details**

Name of the Principal: Dr B.Senthi kumar

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Name of the Institution: Nova College of Pharmaceutical Education and Research
City: Vijayawada
Pin Code: 521456
Accredited Status: In Progress
Work Phone: 0866-2881894
Fax: Website: www.nova.edu.in
E-mail: pharmacyibm2007@gmail.com
Mobile: +91 7675969268

Part - III Evaluative Reports of Pharmacy & Pharm.D Courses

1. Name of the department: Pharmacy
2. Year of Establishment: 2007
3. Names of Programmes / Courses offered (UG, PG, Pharm.D Masters; Integrated Ph.D., etc.):
   - UG: B.Pharmacy
   - PG: M.Pharmacy
   - Pharm.D (Doctor of Pharmacy)

4. Names of Interdisciplinary courses and the departments/units involved: Nil

5. Annual/ semester/choice based credit system (programme wise)-
   - Under Graduation (B.Pharmacy) – Semester Wise
   - Post Graduation (M.Pharmacy) – Semester Wise
   - Pharm.D (Annual)

6. Participation of the department in the courses offered by other departments: Nil

7. Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil

8. Details of courses/programmes discontinued (if any) with reasons: Nil

9. Number of teaching posts

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<td>Assistant Professors</td>
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10. Faculty profile with name, qualification, designation, specialization

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<th>Qualification</th>
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<tr>
<td>1</td>
<td>Dr. P. Parthiban</td>
<td>Professor &amp; Principal</td>
<td>B.Pharm, M.Pharmacy, (Pharm. Chemistry), Ph.D.,</td>
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<tr>
<td>2</td>
<td>Dr. B. Senthilkumar</td>
<td>Principal &amp; Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharmaceutics) Ph.D.,</td>
</tr>
<tr>
<td>3</td>
<td>Dr. AK. Ganachandran</td>
<td>Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharmacognosy), Ph.D.,</td>
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<td>4</td>
<td>Dr. D. Ramu</td>
<td>Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharmacology), Ph.D.,</td>
</tr>
<tr>
<td>5</td>
<td>Mr. U. Ravichandran</td>
<td>Associate Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharm. quality assurance)</td>
</tr>
<tr>
<td>6</td>
<td>Mrs. M. Fatima Rose</td>
<td>Associate Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharm. Chemistry), (Ph.D.),</td>
</tr>
<tr>
<td>7</td>
<td>Mr. V. Sakthi Saravanan</td>
<td>Associate Professor</td>
<td>B.Pharm, M.Pharmacy, (Pharm. chemistry)</td>
</tr>
<tr>
<td>8</td>
<td>Mrs. Kavitha</td>
<td>Asst. Professor</td>
<td>B.Pharm, M.Pharmacy (Pharm. Analysis)</td>
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<tr>
<td>9</td>
<td>Mr. Phanindra</td>
<td>Asst. Professor</td>
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<td>10</td>
<td>Mr. Srikanth</td>
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<td>B.Pharm, M.Pharmacy (Pharma. Chemistry)</td>
</tr>
<tr>
<td>11</td>
<td>Mr. P. J. V. Sagar</td>
<td>Asso. Professor</td>
<td>B.Pharm, M.Pharmacy (Pharmaceutics)</td>
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<tr>
<td>12</td>
<td>Mrs. Usha Kiran</td>
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<td>13</td>
<td>Dr. Paradesi galla Sunil Kumar</td>
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<td>B.Pharm, Pharm.D</td>
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<td>Mrs. Srikala</td>
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<tr>
<td>15</td>
<td>Ms. V. Madhavi</td>
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<td>16</td>
<td>Ms. D. B. Deepthi</td>
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<tr>
<td></td>
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<td>Mr. Pradeep</td>
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<td>Mr. Mohan Reddy</td>
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<td>Ms. Vijaya Naragani</td>
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<td>Mr. S. Sujith</td>
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<td>Mr. N. Suresh</td>
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<td>B.Pharm, M.Pharmacy (Pharmacy Practice)</td>
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<td>30</td>
<td>Mr. CH. Ramakrishna</td>
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<td>31</td>
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<td>Mr. K. Sai Kiran</td>
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<td>33</td>
<td>Mrs. Jasti Amulya</td>
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<td>Dr. Syam Sundari</td>
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<td>Mr. Karthick Kumar</td>
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<td>Ms. G. Hema sri</td>
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<td>38</td>
<td>Ms. K. Nagalakshmi</td>
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<tr>
<td>39</td>
<td>Ms. Lavanya</td>
<td>Asst. Professor</td>
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<td>40</td>
<td>Mrs. Sirisha</td>
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<td>41</td>
<td>Mr. M. Praveen</td>
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<td>42</td>
<td>Ms. B. Nagaraju</td>
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<td>Ms. K.Venu</td>
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<td>Mrs. Ashwini</td>
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<tr>
<td>48</td>
<td>Mr. S.Venkateswara Rao</td>
<td>Assistant Professor</td>
<td>MCA, M.Tech</td>
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</table>

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 0%
13. Student -Teacher Ratio (programme wise) - 1:15
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled
   Technical & Administrative Staffs
   Sanctioned : 04
   Filed : 04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.: Mentioned in Faculty members list

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received - Nil

17. Departmental projects funded by DST; UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University

19. Publications: More than 75 of papers published in peer reviewed journals

   * Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   * Monographs: Nil

   * Chapter in Books: Nil

   * Books Edited: Nil
* Books with ISBN/ISSN numbers with details of publishers: Nil
* Citation Index: 30
* SNIP: Nil
* SJR: Nil
* Impact factor: 10
* h-index: Yes

20. Areas of consultancy and income generated- **NIL**

21. Faculty as members
   a) National committees: **Nil**
   b) International Committees: **Nil**
   c) Editorial: **Nil**

22. Student projects
   a) Percentage of students who have done in-house projects including inter departmental/programme- **0%**
   b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies- **85%**

23. Awards / Recognitions received by faculty and students

<table>
<thead>
<tr>
<th>S.NO</th>
<th>Name of the Faculty</th>
<th>Recognition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr.P.Parthiban</td>
<td>Best Teacher Award in 2014</td>
</tr>
</tbody>
</table>

24. List of eminent academicians and scientists / visitors to the department
25. Seminars/Conferences/Workshops
organized & the source of funding –
   a) National: NIL
   b) International: NIL

26. Student profile programme/course wise: NA

27. Diversity of Students

<table>
<thead>
<tr>
<th>Name of the Course</th>
<th>% of students from the</th>
<th>% of students from other States</th>
<th>% of students from</th>
</tr>
</thead>
<tbody>
<tr>
<td>B.Pharmacy</td>
<td>70</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Pharm.D</td>
<td>99</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

28. How many students have cleared national and state competitive examinations such as NET, SLET, GPAT, Civil services, Defense services, etc.? - N/A

29. Student progression

<table>
<thead>
<tr>
<th>Student progression</th>
<th>Against % enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG to PG</td>
<td>50</td>
</tr>
<tr>
<td>PG to Ph.D.</td>
<td>N/A</td>
</tr>
<tr>
<td>Ph.D. to Post-Doctoral</td>
<td>N/A</td>
</tr>
</tbody>
</table>

216
<table>
<thead>
<tr>
<th>Employed</th>
<th>N/A</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Campus selection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Other than campus recruitment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Entrepreneurship/Self-employment</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

30. Details of infrastructural facilities

a) Library: Yes
   Number of volumes: 87
   Journals: 25
   National: 15
   International: 09

b) Internet facilities for Staff & Students: Yes (14 MBPS)

c) Class rooms with ICT facility: Yes

d) Laboratories

<table>
<thead>
<tr>
<th>S.NO</th>
<th>NAME OF THE LAB</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ENGLISH COMMUNICATIONS SKILLS LAB</td>
</tr>
<tr>
<td>2</td>
<td>REMEDIAL BIOLOGY LAB</td>
</tr>
<tr>
<td>3</td>
<td>GENERAL &amp; DISPENSING PHARMACY LAB</td>
</tr>
<tr>
<td>4</td>
<td>PHARMACEUTICAL ORGANIC CHEMISTRY-I LAB</td>
</tr>
<tr>
<td>5</td>
<td>HUMAN ANATOMY &amp; PHYSIOLOGY LAB</td>
</tr>
<tr>
<td>6</td>
<td>PHYSICAL PHARMACY-I LAB</td>
</tr>
<tr>
<td>7</td>
<td>COMPUTER APPLICATIONS LAB</td>
</tr>
<tr>
<td>8</td>
<td>PHARMACOGNOSY-I LAB</td>
</tr>
<tr>
<td>9</td>
<td>PHYSICAL PHARMACY-II LAB</td>
</tr>
<tr>
<td>10</td>
<td>PHARMACEUTICAL MICROBIOLOGY LAB</td>
</tr>
</tbody>
</table>
31. Number of students receiving financial assistance from college, university, government or other agencies: **NIL**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts: Listed before

33. Teaching methods adopted to improve student learning

   Faculty are encouraged to use OHP and LCD for delivering the lectures. Department is encouraging the students to visit the industries once in a semester. All the students are encouraged to learn through e-content available in JNTUK coe-erd portal.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
   a) Conducting NSS camps every year
   b) Conducting Blood donation camps
   c) Conducting “Swatch Bharath”
   d) Conducting Rallies on several social issues

35. SWOC analysis of the department and Future plans
   • Pharmacy Department is emerging in present society
   • III B Pharmacy Student has secured University rank.
   • Department has outstanding faculty, staff.
   • Department has well equipped laboratories, E- Class room, Internet, Library facilities.
   • Ever green with lot of opportunities.
   • Institution Situated in Rural area.
   • Few Mechanical industries are available in AP; hence most of our students providing their services off the state of AP.

**Opportunities:**

- The college is providing the Center of excellence good Knowledge
- The College is training the students in Sports by qualified Physical Director, so they can participate in University and national level sports & games, this helps to the students to get opportunities in various fields on sports quota.
Challenges:

- The college is located 1km away from Jupudi Village; the students who are joining in the college are mostly from rural background.
- Only the college bus facility is available for long distance and for local students, there is no direct city bus facility to the college.

Future plans:

- Pharmacy is planning to facilitate research centre to promote the research.
- Pharmacy is planning to have interaction with the outside industries for rising the fund.
- Pharmacy is planning to provide placements in core companies.
- Department is planning to organize two industrial visits per semester.
- Department is planning to organize national conference.
- Department is planning to distribute cloths to the poor through NSS.