



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**NIRMALA COLLEGE OF PHARMACY**

**ATMAKUR, MANGALAGIRI, GUNTUR(DT), ANDHRA PRADESH, INDIA.**

**522503**

**[www.ncpacsag.ac.in](http://www.ncpacsag.ac.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Nirmala College of Pharmacy is a self-financed institution established by the Society of Catechist Sister's of St. Ann, Andhra Pradesh, India and is affiliated to Acharya Nagarjuna University. The institution is approved under UGC 2f & 12b, Accredited by NAAC with B++ (2.85 CGP). The institution also placed in the 76-100 band in NIRF released by MHRD for the academic year 2017, 2018, 2020 and 2021 NIRF rankings. The institution has received the Best performer award in ATAL Ranking also. The institution also established AICTE-IIC at our Nirmala Block and conducted programmes like IPR, Innovations, Start up's and Entrepreneurship.

The College is approved by AICTE, PCI, New Delhi. The College was established with a Bachelor of Pharmacy in 2006. Post-Graduate courses M. Pharmacy Pharmaceutics, Pharmaceutical Analysis was started in 2010 and M. Pharmacy Pharmacology in 2011. The Pharm D course also started in the year 2013. Whereas Research Centre (Ph.D), Pharm D (PB) courses also started in 2017.

The serene college campus is spread over 4.32 acre of land. The lectures are held in three multistoried buildings in well-established class rooms with e-teaching, digital library and well equipped laboratories. In addition to that, Animal House was built as per CPCSEA guidelines. The facilities are provided for indoor and outdoor games.

The College has a very good team of committed and qualified teaching staff 55 numbers among whom Nine doctorates in Pharmacy and many others have registered for PhD. The college has earned name and fame for its high academic excellence, discipline, promoting moral and social values which help in the integrated growth of the students.

The College has received Twelve (12) grants so far which were sponsored by DST-SERB, ICMR, AICTE, DST-FIST, TB Association of India. The institution has a well established digital library and research Laboratories. The faculty members have published more than 115 research articles in Scopus / Web of science journals, published 29 patents and granted 02 patents. A total number of 07 Books were published and 04 book chapters were contributed. The faculty members are registered in Scopus, Publons, Vidwan and Orcid to strengthen the research profile.

### **Vision**

#### **“Shaping the Pharmacists with scientific Aptitude and Social Consciousness”**

Quality consciousness, Creativity, Innovation, Sensitivity and Services are the wheels of the Institution. The combinations of these values are the defining characteristics of the Institution. The College aspires to bring in holistic development of the students with integrated values aiming to excel in every field. We believe Educational Institutions have multiple roles to play. Hence Nirmala College of Pharmacy develops a scientific mind with social consciousness preparing the student a complete and perfect Pharmacist.

## Mission

**“Integrity through Teaching, Learning with Love and Service”.**

The statement of our mission comes from the College motto **“Love and Service”** which describes the holistic development of the person with integrated values aiming to excel in every field. Nirmala College of Pharmacy focuses on seeking God in all things and working to expand knowledge in the service of humanity through learning Pharmaceutical Sciences with faith and trust.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- The College has very good infrastructure facilities with respect to the Green environment, Laboratories, Classrooms, Equipments, Digital Library, ICT facilities, etc.,
- The College Alumni spread across the world.
- The institution has an approved Research Centre by Acharya Nagarjuna University for carrying out Ph.D programmes. Through this institution may produce quality of research, Publications in impact journals, IPR generation, etc.,
- The institution has functional MoU's with Pharma Industry, Hospitals, other reputed organizations for the betterment of stakeholders in the form of Placements, internships, research and development, industrial visits, skill development programmes.
- Proactive management for strengthening the institution.
- Functioning innovation and incubation cell is established for organizing programmes on IPR, Start-up and Entrepreneurships.

### Institutional Weakness

- Industrial collaboration need to be enhanced to cater the research needs
- Enhancement of staff and student exchange programmes in collaboration with other reputed organizations.
- Less number of scholars are pursuing the PhD.
- Research funding is required from Government agencies for procurement of sophisticated equipment in strengthening the Research Centre.

### Institutional Opportunity

- Ample scope to conduct Clinical research in collaboration with AIIMS and also with MoU associated Manipal Hospital.

- To build up the students as per the global standards through organizing National/International workshops, conferences, seminars, hands on training, etc.
- To enhance the number of research articles in high Impact Journals through carrying out the advanced research by protecting the IPR.
- Multidisciplinary research is to be enhanced for strengthening the institution.

### **Institutional Challenge**

- To Improve the research profile of the college for the release of grants from funding agencies.
- To bring out more number of PhD's through research centre.
- To enhance the placements with MNC's by fulfilling the industry requirements.
- To put more efforts of IQAC for the improvement of NIRF ranking.
- To strengthen the Innovation, Incubation and Entrepreneurship cell in the campus.
- To bring autonomous status to the College.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- All the programmes of Nirmala College of Pharmacy are affiliated to Acharya Nagarjuna University. The college at present conducts UG (B. Pharm), PG (M. Pharm), PG (Pharm. D) and Ph.D programmes. The Curriculum is designed, delivered and assessed as per the norms of Statutory bodies such as Pharmacy Council of India and Acharya Nagarjuna University. The institution deploys its action plan for effective implementation of its delivery. Faculty of the college are encouraged to translate the curriculum to improve their teaching methods. The college ensures the assessment as per the academic calendar of affiliated university.
- The College has initiated value added courses and add on courses for the overall development of students to enrich the communication skills and employability skills. In this context the students of outgoing batch are provided Soft skills training in association with Mahindra pride, AICTE sponsored PMKVY short term training programmes, Pharmacovigilance, Diploma in Pharmacy, Massive Open Online Courses (MOOC's), etc.,
- The College organizes seminars/workshops/conferences, guest lectures, faculty development programmes for curriculum enrichment and enhancement. Utmost care is taken for addressing cross-cutting issues through curricular aspects such as Human Anatomy and Physiology, Jurisprudence, Environmental Sciences, Community Pharmacy. In addition to that co-curricular and extracurricular activities like Human Values & Professional Ethics, Gender sensitization, personality development programmes are conducted for effective curriculum delivery. As per the norms of statutory body the college provides the facility for outgoing batch students to undertake the project works, field works, internships.
- The institution obtains the feedback annually on the academic performance and ambience of the institution from various stakeholders. The feedback is collected and analyzed at college academic meetings in the institution. The Students feedback is taken from time to time for library facilities, teaching performance, the physical infrastructure facilities, Training and placement activities, co-curricular and extracurricular activities, soft skill development, functioning of various committees and cell. The feedback collected and it is analyzed and discussed in academic monitoring committee and

IQAC meetings. After this the IQAC will decide the plan of action to resolve the problems if any and to implement appropriate changes.

### **Teaching-learning and Evaluation**

- The College follows the curriculum with interactive and instructional techniques that helps in acquiring knowledge and ability to perform effectively. The process of admitting students is through a transparent mechanism as per ANU norms. As per GOI/ State Govt. rule reserved category seats will be filled through counseling.
- 1:13.5 ratio of teachers and students is maintained in the organization. When a faculty is relieved from the organization staff recruitment committee will appoint new faculty to full fill the ratio.
- The College ensures quality education thorough proper teaching-learning process for the students admitted from various places. The teaching and learning is facilitated through Experiential learning, Participative Learning and Problem solving methodologies. All faculty members are practicing and utilizing ICT at various levels of their teaching processes.
- Faculties are taking initiatives to learn and keep on updating with the latest technologies in our Pharmacy field and improve their teaching abilities for the overall development of institution. Around 25% full-time teachers are having Ph.D degree and around 50% of faculty members are pursuing their doctoral studies. The performance of the teachers is evaluated through a structured feedback mechanism. The Course Outcomes and programme outcomes are assessed at the end of every academic year. The Graduates outcomes are also monitored through Alumni network and placement cell.
- Student satisfaction survey is carried out at the end of every academic year for up-gradation of teaching and learning process and the feedback is made available in the College website.

### **Research, Innovations and Extension**

- The College has a very good laboratory with sophisticated equipments, CPCSEA approved animal house facility and internet facilities for the conduct of research. The library is provided with a separate reference section with journals, UG/PG/PhD thesis, Delnet/Knimbus softwares to access e-journals/e-books, Micromedex and Plagiarism X checker anti-plagiarism software for ensuring adherence to research ethics.
- The college has received Rs. 45,70,000/- (Fourty five lakh seventy thousand rupees) worth grants

during the assessment period from various government agencies like ICMR, DST, AICTE, DST-SERB, ICMR-TB Association of India. DST-FIST sanctioned Rs. 33,00,000/- (Thirty three lakh rupees) and AICTE-SPICES sanctioned Rs.1,00,000/- (One lakh rupees) amount to our institution during the year 2021-22. In addition to that the institution also received the amount Rs.50,000/- from non government agencies like CHAI (Congregation of Catechist Sisters of St. Ann's). The college offers consultancy services to the collaborative and government/private organizations as a part of resource mobilization.

- The college has established Nirmala Innovations and Incubation Council which is approved by AICTE-IIC in 2018-19. Through this Council students and staff members are carrying out the research on their innovative ideas as innovations. The same innovations are filed/published as their Intellectual property rights. The council also provides an awareness on startup and entrepreneurship programmes.
- 180 research articles are published in Scopus/Web of science/UGC care listed journals during the assessment period. So far 28 patents were published by our faculty and in which one patent has been granted in 2021 with the title "A NEW HERBAL FORMULA FOR PSORIASIS" (Patent Number: 362340). In addition to that 13 books/book chapters, 108 conference proceedings were published by our students and staff.
- The college NSS unit organizes general and special camps at nearby adopted village Atmakuru and several activities were carried out by NSS volunteers to address the social issues, National Integrity, Road safety awareness, Leprosy prevention and awareness, Swatch Bharat initiatives, AIDS awareness, Blood donation camp, Health check up camps, etc.
- Around 21 functional MoU's were signed with various organizations of health care sector, industries with indigenous medicinal organizations and NGO's and carried out the seminars, webinars, research collaborations and industrial visits.

### Infrastructure and Learning Resources

- The College campus is spread over in 4.32 acres of land and which consists of three buildings with all infrastructure facilities, a spacious play ground for sports and games.
- The institution is equipped with 15 number of class rooms among which 12 class rooms are enabled with ICT facilities. A total number of 18 separate spacious laboratories and 9 preparation rooms are available to carry out regular practicals and research. More than 2.5 crore worth of equipments are made available in our institution. The college organizes the online webinars and the e-repository data is made available in college YouTube channel for imparting the extracurricular and co-curricular skills among the students.
- A very big spacious auditorium with a capacity of 600 students is provided to organize curricular, co-curricular and extracurricular activities. Two computer labs with 80 computers with internet facility and Wi-Fi access. Separate cabins for faculty members are provided in the college.
- The Library has seating capacity of 101 and is fully automated with LAN connectivity and Wi-Fi. Library Management Software system is incorporated with latest technologies that enables Library to serve its users more efficiently. Library consists of 9118 volumes, 1646 titles, 16,469 e-journals and e-books 6270 are available from Knimbus pvt. Limited. 8 numbers of magazines and periodicals are available. The Library is well equipped with updated Integrated Library Management software (ILMS) such as INFLIBNET SOUL 3.0 version for issuing of books to the students and faculty, IBM Micromedex Data base, DRUG BIOVIA for *In-silico* studies, DISCOVERY STUDIO for computer aided drug designing, Ex-pharma series software for Pharmacology simulation experiments, SIGMA PLOT 11.0 for statistical interpretation of results, PCD DISSO - V.2.8 for Dissolution Studies,

Plagiarism X checker, etc.,

- The college has provision of conducting annual budget meetings to allocate the available funds. An average of Rs. 80,00,000/- (Eighty lakh rupees) are spent for maintenance of infrastructure and physical facilities within the campus during the assessment period.
- Repairs and Maintenance committee monitors the maintenance of general repairs of buildings, equipments, electricals, electronics, water facility and the Housekeeping staff are allotted to maintain college cleanliness.

### **Student Support and Progression**

- The College has provided student support in receiving the scholarships from state and central governments through Jnana Bhumi portal and National Scholarship portal respectively. An average of 54% of students being benefitted by scholar ships provided by government and non-government agencies. In addition to that, our college is also providing tuition fee concession to the meritorious students and economically weaker students based on their academic performance and their financial status.
- The college has organized capacity building and skill enhancement programmes such as soft skills, language and communication skills, ICT/computing skills to the students for their holistic development.
- Career counseling and placement cell monitors and carry out the programmes like guest lectures, communication skills development programmes, career guidance workshops, GPAT, GRE, TOFEL. Through this Cell 66 % of the students are benefitted during the assessment period.
- College promotes administrative and leadership skills of students by nominating them in various committees such as grievance redressal committee, anti-ragging and women grievance cell and IQAC cell of the college.
- Anti ragging committee, Grievence reddressal cell, Women Grievance Cell are functioning under the supervision of Secretary, Head of the Institution and senior faculty members. These Committees will strictly monitor the activities of students and makes every effort to ensure that the girls feel at home; Ragging in the hostels is totally disallowed, and any adventure in this respect is punishable as per the norms of statutory bodies. However, so far no such cases are identified. The Women cell resolves common problems of girl students and conducts the women empowerment programmes.
- A total number of 631 students has participated and won the prizes in various sports and cultural events/competitions organized by the institution and other institutions during the last five years.
- The college has registered an Alumni association cell with a registration No: AP0401695035 and works effectively since 2011. The alumni association has contributed towards the betterment of institute by donating books to the library, and other contributions like acting as a resource person and conducting campus drives.

### **Governance, Leadership and Management**

- The College has policies and practices framed for planning of Human resource management, recruitment, training, performance appraisal and financial management through able governance. The management follows a decentralized and participative decision making process to achieve the Vision and Mission of the institution for building an excellent working culture.
- The key objective of the college is to implement the strategic plan as per the norms of various statutory

bodies. Each goal of organization has a specific objective, methodology to execute effective financial implications.

- e-governance is the integration of Information and Communication Technology in all the working processes such as management of finance, accounts process, students admissions, examination cell, etc. The college aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective.
- The college offers valuable welfare schemes to all the teaching and non-teaching staff to ensure and boost their work culture and efficiency. College provides following benefits for teaching and non-teaching staff like casual leaves, sick leaves, medical leave, compensatory off's, maternity leave, festive bonus, EPF, outstanding contribution benefits, ESI facilities and insurance facilities.
- 26% of the Staff has been provided with financial support and 47% teaching staff and non teaching staff has been participated in various FDP'S / Professional development programmes within the organization and outside the organization.
- The budget allocation and mobilization of resources has been noted and so far the college has effectively utilized Rs. 45,70,000/- (Fourty five lakh seventy thousand rupees) of research grants received from different funding agencies. In addition to that college also carried out collaborative and consultancy research of Rs.3,68,325/- (Three lakh sixty eight thousand three hundred twenty five rupees) as a part of resource mobilization.
- The college has a procedure of internal and external audit system. The internal audit is done every year by competent authority appointed by management whereas external audit is carried out by the registered Chartered Accountant.
- IQAC monitors the curricular, co-curricular, extracurricular, teaching learning methodologies, research and innovations, Infrastructure facilities, student's progression, e-governance, financial management and resource mobilization in a time bound manner.

### **Institutional Values and Best Practices**

- The institution has organized a number of programmes on gender equity through a Women's grievance cell and inculcates the knowledge of gender sensitivity, knowledge of law and women's rights and laws.
- Nirmala College of Pharmacy makes sincere efforts to celebrate national and international commemorative days, as they emphasize the aspect of learning beyond the classroom. The conduct of these programmes may support the students to enhance their Organizing skills, Co-ordination skills, leadership skills apart from regular academics.
- The College has facilities like energy conservation by the installation of LED lights all over the campus and using solar panels as an alternative source of energy. The waste such as e-waste, solid waste, liquid waste and biomedical waste are properly segregated and disposed. Measures have been taken for rain water harvesting.
- Students and parents can freely walk in the pedestrian without making any traffic. It is noted that, differently abled students provided with facilities such as ramps, wheelchair, and washroom also displayed a sign board to facilitate enquiry and information.
- The College has conducted the programmes on integrity and harmony towards culture and region, communal factors, national festivals and birth/death anniversaries of the great Indian personalities and socio economic and other diversities.
- The institution has planned and conducted online education system as per the NEP-2020 guidelines as



one of the best practice. In this context the Teaching and learning, research, webinars were carried out through Virtually using ICT tools.

- The College has a registered NSS unit under the approval of ANU and conducted several programmes such as food donation, awareness programmes during Covid-19 pandemic, Blood donation camps, organ donation awareness, polio camps, Diabetes day, World cancer day, AIDS day, etc., to the society as best practice.
- Ecofriendly environment in the campus is considered as one of the distinctive performance of the Institution. The College has taken an initiative for the conduct of Green Audit, Environmental Audit, Energy Audit to maintain the campus as Ecofriendly. Through this credits our campus is recognized and awarded as “BEST ECO FRIENDLY CAMPUS” by ANU, Guntur, Andhra Pradesh.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	NIRMALA COLLEGE OF PHARMACY
Address	Atmakur, Mangalagiri, Guntur(Dt), Andhra Pradesh, India.
City	Mangalagiri
State	Andhra Pradesh
Pin	522503
Website	<a href="http://www.ncpacsag.ac.in">www.ncpacsag.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Sk Abdul Rahaman	08645-236255	9849702527	08645-236722	rahamanphd@gmail.com
IQAC / CIQA coordinator	Anjana Male	08645-9849702527	9491719011	08645-236722	anjana.male@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Andhra Pradesh	Acharya Nagarjuna University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC	10-02-2017	<a href="#">View Document</a>
12B of UGC	10-02-2017	<a href="#">View Document</a>

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	25-06-2021	12	Approved
PCI	<a href="#">View Document</a>	10-04-2020	36	Approved

**Recognitions**

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

**Location and Area of Campus**

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Atmakur, Mangalagiri, Guntur(Dt), Andhra Pradesh, India.	Rural	4.32	10145

**2.2 ACADEMIC INFORMATION**

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No. of Students Admitted
UG	BPharm, Pharmacy	48	Intermediate	English	100	100
PG	MPharm, Pharmacy	24	B.Pharmacy	English	15	15
PG	Pharm D, Pharmacy	72	Intermediate	English	30	30
PG	MPharm, Pharmacy	24	B.Pharmacy	English	15	8
PG	MPharm, Pharmacy	24	B.Pharmacy	English	15	15
Doctoral (Ph.D)	PhD or DPhil, Pharmacy	36	Post graduation	English	2	2

#### Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	4				12				33			
Recruited	3	1	0	4	5	7	0	12	9	24	0	33
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	4				12				33			
Recruited	3	1	0	4	5	7	0	12	9	24	0	33
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				25
Recruited	11	14	0	25
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				25
Recruited	11	14	0	25
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				8
Recruited	0	8	0	8
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				8
Recruited	3	5	0	8
Yet to Recruit				0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	1	0	2	3	0	0	0	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	3	4	0	9	24	0	40
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	6	1	0	7
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	42	0	0	0	42
	Female	79	3	0	0	82
	Others	0	0	0	0	0
PG	Male	12	0	0	0	12
	Female	28	0	0	0	28
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	2	0	0	0	2
	Female	0	0	0	0	0
	Others	0	0	0	0	0
Diploma	Male	20	0	0	0	20
	Female	44	0	0	0	44
	Others	0	0	0	0	0
Certificate / Awareness	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0



Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	8	6	6	7
	Female	28	36	28	41
	Others	0	0	0	0
ST	Male	4	0	2	1
	Female	2	2	2	3
	Others	0	0	0	0
OBC	Male	36	25	29	18
	Female	62	53	45	53
	Others	0	0	0	0
General	Male	14	21	14	14
	Female	31	43	45	32
	Others	0	0	0	0
Others	Male	4	0	0	0
	Female	5	0	0	0
	Others	0	0	0	0
Total		194	186	171	169

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The institutional aim is to develop all competence of human beings such as intellectual, social, materialized, emotional, and moral in an integrated manner. We thought of that such education will help and develop multidimensional capabilities in student individuals and also the organization. So, as per NEP-2020 guidelines the management wish to open Pharmaceutical Regulatory Affairs as PG branch and planning to start Allied Health Science courses such as DMLT, Diploma in Anesthesia, Medical Laboratory Technology, etc.,
2. Academic bank of credits (ABC):	The College is an affiliated institution and follows the guidelines of Acharya Nagarjuna University and

	<p>Pharmacy Council of India. At present as per the guidelines of PCI; elective subjects are placed in a form of Academic Credits to enhance the subject skills and to fill the bridge between academic institutions and corporate organizations. In addition to that, Acharya Nagarjuna University introduced the ANU MOOC's as Academic Bank of Credit (ABC). It is a virtual mechanism that will deal with the credits earned by students of Higher Education Institutes and which are beneficial to the students to improve their skills in a form of knowledgeable, physically and mentally. However according to the rules and regulations of UGC, PCI, University; time to time we will update and upgrade our college.</p>
3. Skill development:	<p>Nirmala College of Pharmacy, Atmakur, Mangalagiri, Andhra Pradesh already started and carrying out the skill development programmes to enhance the soft skills like communication, co-operation, teamwork, life skills, leadership skills, etc., In this context our institution collaborated with Mahindra Pride(Nandi foundation) and carrying out the soft skill development programme to the IV B.Pharm, IV Pharm D and M.Pharm students. However, in I B.Pharm II semester itself communication and English language subject is included by statutory bodies to improve the soft skills. In addition to that, the institution also started the conduct of bridge courses namely Pharmacovigilance, Medical writing, Medical coding, etc., to enhance the skills and also to fit as employee in the corporate organization.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>The institution is giving the utmost priority to integrate the Indian Knowledge System (IKS) as per the NEP-2020 guidelines. In this regard being a Pharmacy institution; we highlight the importance of Ayurveda, Herbal drug technology, Natural products and to promote interdisciplinary research on all aspects of IKS, preserve and disseminate IKS for further research and societal applications. The college used to conduct the programmes on innovations, inventions, startup's, IPR and motivate the students for carrying out the research work on above mentioned areas. In this context our staff and students published/granted the patents in Herbal drug technology.</p>
5. Focus on Outcome based education (OBE):	<p>The College disseminates the teaching-learning</p>

	<p>process in Pharmacy profession as Outcome-based education (OBE). The staff members are delivering the lectures as per the norms of statutory bodies and students are also prepares as per the expectations of industry, hospitals, corporate, societal needs. The students are inculcated with the subject knowledge and also the soft skills; there by able to fit to the expectations of Health care system. Hence, our students are able to select in MNC's, abroad education and other organizations. However, we will put efforts to focus on Outcome based education as per NEP-2020.</p>
6. Distance education/online education:	<p>The institution already practicing the distance learning through online webinars/virtual programmes. During Covid pandemic the college has conducted several programmes like lectures / webinars / conferences / faculty development programmes / Quiz / Drawing / Video making /seminars / workshops, etc. through online using Google meet/Zoom/WebEx/Microsoft teams, etc., Through this platform successfully completed the academic year. Hence, now our staff members are very much acquainted with the updated technology/ICT tools for carrying out distance education/online education. However as per the NEP-2020 guidelines and statutory body norms, rules and regulations teaching learning process will be carried out by the use of various technologies to facilitate student-teacher and student-student communication.</p>

## Extended Profile

### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
686	619	600	586	604

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 69

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
44	43	42	42	41

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
67.19	118.89	50.29	88.1	112.39

NAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

**1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

**Response:**

##### **Curriculum planning:**

Nirmala College of Pharmacy is affiliated to Acharya Nagarjuna University (ANU) and is approved by PCI and AICTE, approved under UGC 2f & 12b. The College follows the Academic calendar issued by Acharya Nagarjuna University. Upon release of Scheduled academic calendar from University, the College Academic planning committee will prepare IQAC calendar and it will be shared to the department Heads for effective planning of class time tables of theory and practical sessions to the B. Pharm, M. Pharm and Pharm D programmes as per PCI guidelines and implementation of Curriculum delivery.

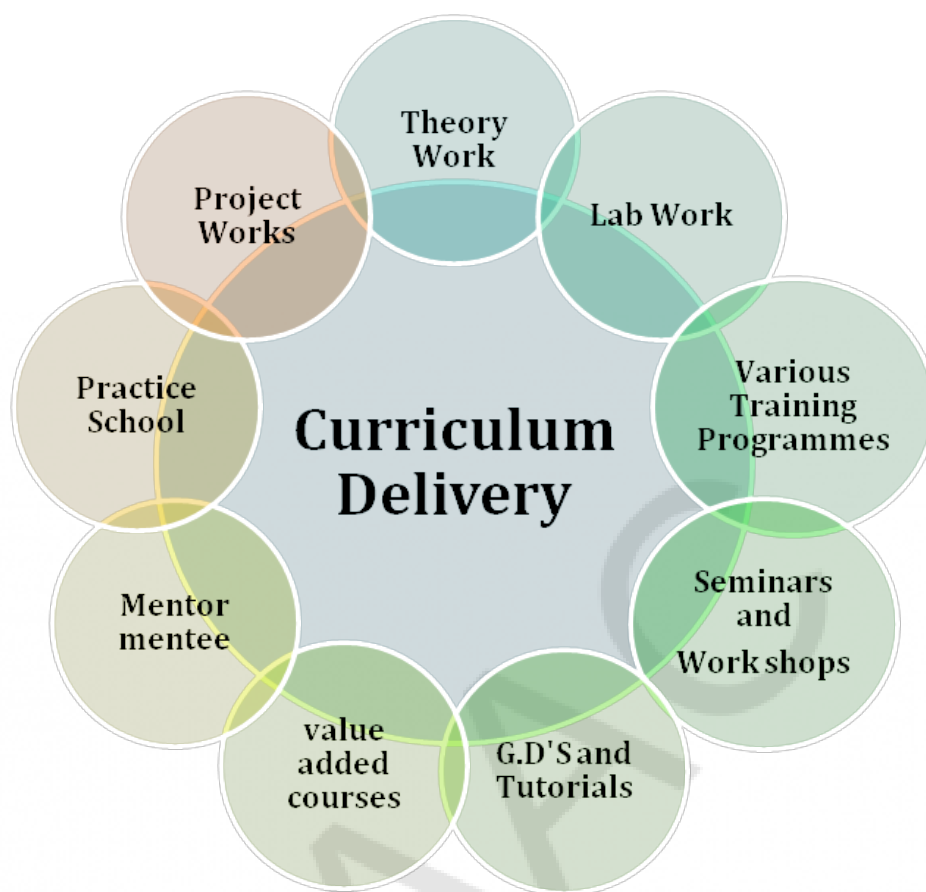
##### **Curriculum Delivery:**

The College follows the Pharmacy Council of India syllabus and the allotted staff members would prepare the lesson plans according to the time bound manner for effective curriculum delivery to all the programmes. Curriculum delivery is carried out by the conduct of Theory classes, practical's, project works, practice school, clerkship and internship. In addition to that co-curricular activities such as Value added Courses, Soft skill training programmes, Massive open online courses (MOOC'S) are also carried out as per the institutional IQAC calendar.

##### **Curriculum Assessment:**

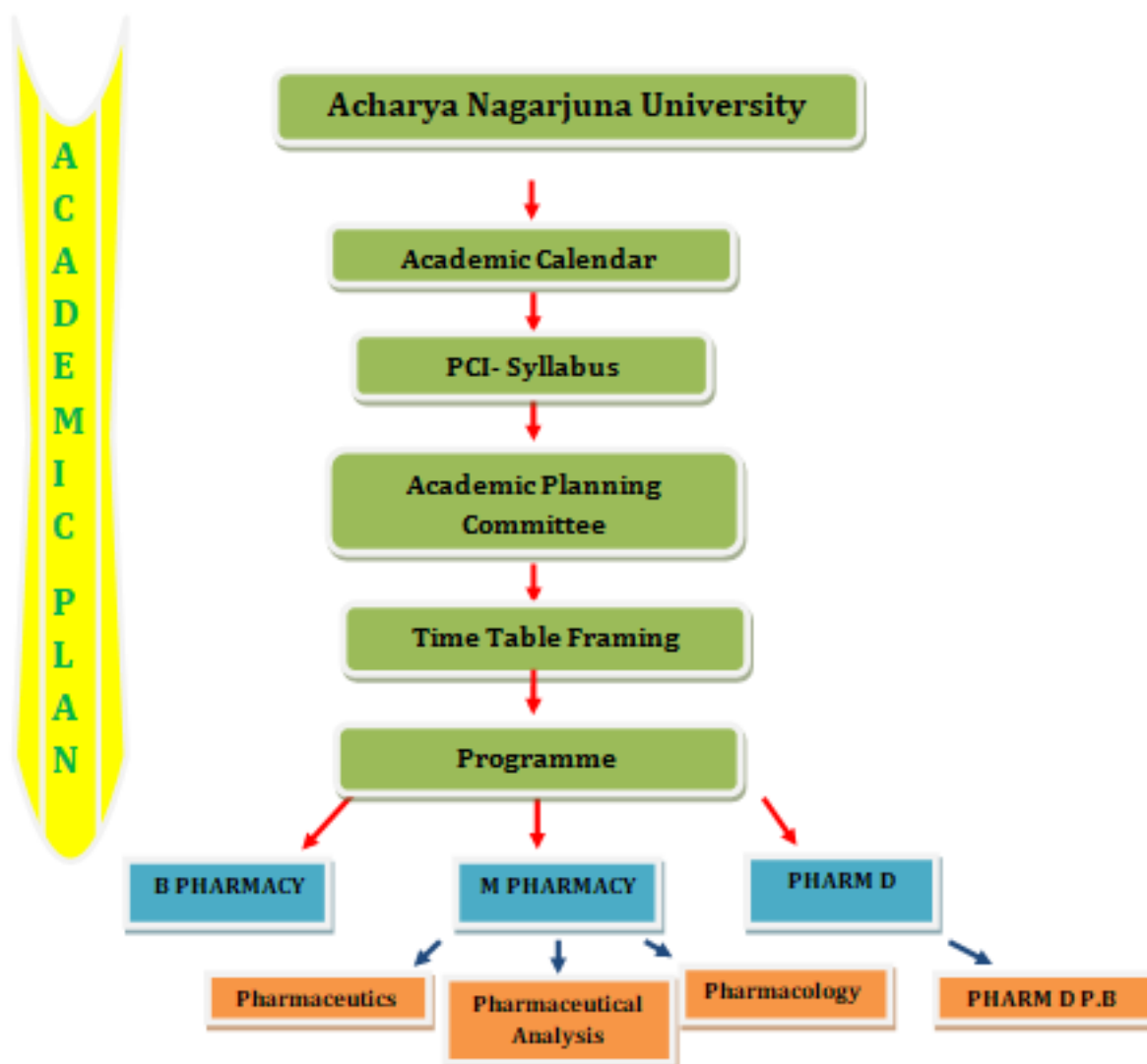
The Programme outcomes are monitored by carrying out the assessment process using Direct and Indirect method. In case of Direct Assessment students are assessed through internal exams and final semester / year end exams. In case of indirect assessment the performance marks are issued based on their organizing skills, leadership qualities, communication skills, practical skills, discipline and daily work performance. Meetings will be carried out with Staff and Examination Cell for monitoring about the status of the student performance from time to time with the head of the institution. Based upon the report of Mentor-Mentee committee and performance of the students they are divided into Slow learners and Fast learners. The Slow learners learning capabilities will be enhanced by conducting remedial classes. Whereas the Fast learners are motivated by encouraging them to participate in various seminars, workshops, conferences, competitive exams, minor research work, publishing the articles, etc.,

#### **FLOW CHART INDICATING THE PROCESS OF CURRICULUM DELIVERY**



**FLOW CHART INDICATING THE PROCESS OF ACADEMIC PLAN IN THE ORGANISATION**

## NCPA Curriculum Delivery



## 1.2 Academic Flexibility

### 1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 15

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the



**total number of students during the last five years****Response:** 49.01**1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
259	460	343	300	155

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**1.3 Curriculum Enrichment****1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum****Response:**

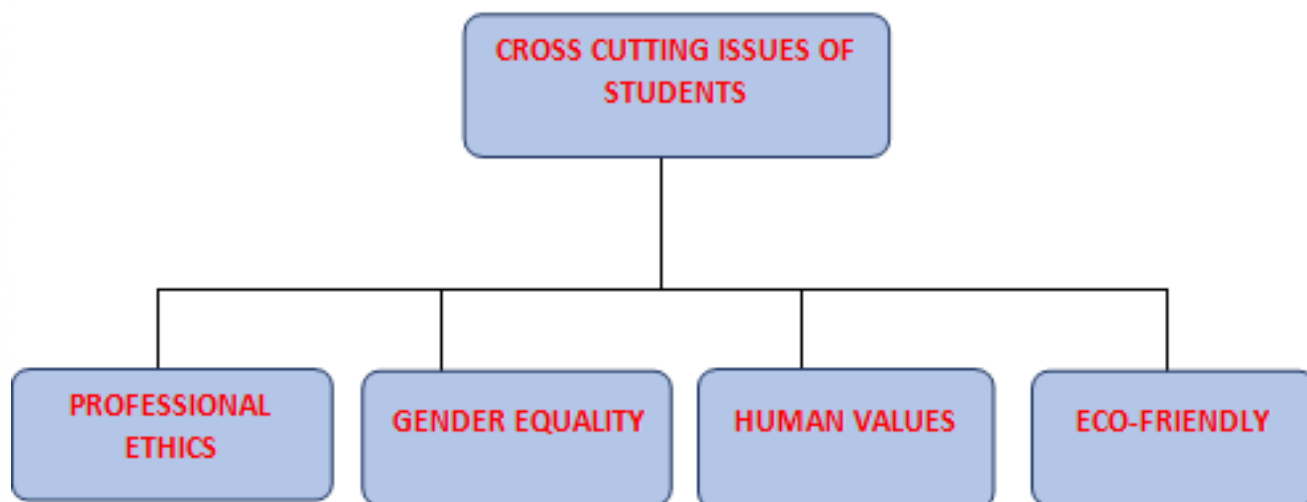
Nirmala College of Pharmacy, Atmakur, Mangalagiri and Andhra Pradesh have their own Vision, Mission and Social responsibility. The College related programmes, subjects, topics, college organized value based programmes and core values of the institution speak about these cross-cutting issues. Naturally, the institution integrates various life skills, values, local and global challenges through its curriculum delivery. The College offering programmes in which around 25 courses will be providing the knowledge related to Professional ethics, Human values, gender, environment and sustainability. Since these are the integral part of curriculum in all the programmes. The curriculum framed courses like Dispensing Pharmacy, Pharmaceutical Jurisprudence, Medicinal Biochemistry, Community Pharmacy, Pathophysiology, Pharmacotherapeutics-I, II and III, Hospital Pharmacy, Clinical Pharmacy, Clinical Research, Pharmacoepidemiology and Pharmacoeconomics, Pharmaceutical Analysis, Human Anatomy and Physiology which explain the legislations and working procedures related to human health, responsibilities of the Pharmacists in the Society. Drug discovery methods and development of formulations are helpful to serve the society and to inculcate the professional ethics in the students. Pharmacological Screening Techniques discuss information about regulatory guidelines for carrying out experiments on animals.

Oath of Pharmacist and Code of Conduct focus to encourage student Discipline, Work ethics and Social responsibility. Community service activities are organized by the institution where students are made participatory in Health camps, Medical camps to create health awareness among the rural men and women. The greenery and eco-friendly atmosphere in the campus, environmental studies course should speak about protection of eco-system. In order to educate and sensitize the students about environment and sustainability issues the importance of eco-friendly environment is explained to make the student responsible and accountable for the right usage of environmental resources. Communication Skills/Soft

skill certificate course provide insights on the role of a Pharmacist in the Society.

NSS Unit and Women cell organizes various programmes to sensitize the students, staff and as well as the public of the society.

### FLOW CHART FOR STUDENTS CROSS CUTTING ISSUES



#### 1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 41.25

##### 1.3.2.1 Number of students undertaking project work/field work / internships

Response: 283

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)**

Response: Yes

File Description	Document
Upload supporting document	<a href="#">View Document</a>

NAAAC

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 87.27

##### 2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
198	185	171	168	169

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
213	209	209	195	195

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the last five years (Exclusive of supernumerary seats)

**Response:** 98.86

##### 2.1.2.1 Number of actual students admitted from the reserved categories year - wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
121	108	111	100	80

##### 2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
114	110	110	96	96

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1 Student – Full time Teacher Ratio (Data for the latest completed academic year)

**Response:** 15.59

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

**Response:**

The College will take an utmost care to mould the students as well expertise and to fit the candidate as per the global requirements. For that the institutional management will be co-ordinating and monitoring all the activities such as curricular, co-curricular and extracurricular activities to enhance the learning experience of the students through their mentors. In this context the college carrying out the following learning activities to induce the learning experience;

#### (A) Experiential Learning

Experiential Learning at institution level happens through the conduct of classroom lectures, tutorial classes, laboratories, Hands on experience of equipments, Animal experimentation through the simulation studies, Clinical trials and literature review, research/review publications. Industrial tours and project works induce scientific culture in the young minds. The learning is also made through the participation and presentations in seminars, field visits, design and development of project works, conduct of exhibitions, interactive sessions, group discussions, etc.,

#### Instrumental Learning

Live demonstrations and handling of instruments such as UV-Visible Spectrophotometer, HPLC, IR, Flame photometer, Dissolution, Disintegration Apparatus, Soxhalate extractor, Compound Microscope, Bio analyzer, Elisa reader, Cooling Centrifuge, Spectrofluorimeter, Randel sellito, etc.,

#### Industrial Learning

Industrial visits, trainings and internships are organized yearly for III B. Pharmacy, IV B. Pharmacy & VI Pharm. D students that give exposure to working culture of industries and interaction with the industrial experts for experiential learning and facilitate to gain the subject knowledge.

### **Animal Handling**

The College is having an approved CPCSEA Animal house to carry out animal experiments, to handle the Animals like Rats, Guinea pigs, Frogs, Mice etc.,

### **Medicinal Garden**

College has medicinal garden to know the herbal Plants, active constituents, uses of plants, natural treatment of various diseases.

### **ICT TOOLS**

Teachers use ICT enabled tools for effective teaching-learning process.

### **(B) Participatory Learning**

#### **Scientific Learning**

Participative learning is one of the important components to inculcate the soft skills, leadership qualities, co-ordination skills. For this the institution motivate and encourage the students to participate and present their expertise in a form of posters, power points in National and International Seminars, Conferences, Workshops, Pharma Quiz, Innovations and Incubation Council, Exhibitions, Award ceremony competitions, Smart India Hackathons, Ideations and Proof of Concept, etc., organized by host institution or other organizations.

#### **Pharma Expo**

Students are guided to prepare and present their scientific posters, exhibits in Pharma Expo organized. In the same programme all the class and course students are permitted to visit the exhibits, posters prepared by their seniors of B.Pharm, M.Pharm & Pharm D. This programme is organizing every year by the college to inculcate the participative learning.

#### **Problem Solving Methodology**

To acquire the problem solving skills, exposure and experience; the students are made mandatory to carry out the project work, clerkship, internship, practice school, etc., as per the norms of statutory bodies. In this context the HOD's will guide their team of staff to carry out research in novel areas and to publish the research in indexed journals.

## **2.4 Teacher Profile and Quality**

**2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years****Response:** 100**2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:**

2021-22	2020-21	2019-20	2018-19	2017-18
44	43	42	42	41

File Description	Document
Upload supporting document	<a href="#">View Document</a>

**2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)****Response:** 17.92**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
10	7	7	7	7

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient****Response:**

- The College is affiliated to Acharya Nagarjuna University. The schedule of internal examinations is conducted as per the IQAC calendar of College which is prepared according to academic calendar of Acharya Nagarjuna University. The pattern of question paper and evaluation of internal exams will strictly follow the guidelines of University to assess the performance of the students.

- The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, assignments, practice school, clerkship, internship and projects.
- Academic calendar is prepared by the University before the commencement of each academic year; the same is made available to the staff and students on the notice-board of the College Examination cell and Library.
- The examination time table will be displayed on notice board before two weeks of commencement of Exams and the same will be announced during the College assembly.
- The question paper is prepared by the respective subject faculty. For theory examinations two sets of question paper will be submitted at examination cell and the Chief Superintendent will select one set of question paper.
- Answer sheets are evaluated by the faculty and corrected answer scripts are shown to the students and the same internal marks were displayed in the notice board.
- Apart from that performance marks will be allotted to the students based on the attendance, behavior, performance in assignments and slip tests. These performance marks were added to the internal marks to encourage the students in terms of their regularity and behavior.
- For both theory and practical, two internal tests were conducted for B. Pharmacy and M. Pharmacy courses and average of the two assessment tests were calculated, whereas, three internal tests were conducted for Pharm. D course and out of three the average of best two were selected and the same will be submitted to the university.
- For assessment of seminars, summer internship and project, faculty coordinator prepares a schedule of presentation of students in slots by the consultation with the class In-charges and is communicated to students. Students present their work or report to the coordinator via PPT mode and evaluated on the basis of various parameter set by respective co-ordinator.
- For assessment of practicals; practical viva voce is conducted by respective faculty member at the end of the course.
- These guidelines make the mechanism of assessment is transparent and robust in terms of frequency and mode.

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

#### Response:

The institution follows the Curriculum designed by the affiliating Acharya Nagarjuna University and Pharmacy Council of India. The institution curriculum has well defined and designed Programme Outcomes (PO's), Program Specific Outcomes (PSO's) and Course Outcomes (CO's). Upon receiving the academic calendar from University subject orientation classes will be taught by the staff at our college to the students of various programs such as B.Pharmacy, M.Pharmacy and Pharm D courses. The IQAC Cell evaluates the academic performance of the staff members based upon the student attainments. A log book is issued to the staff members where PO's, CO's and PSO's are present and the faculty has to be updated the log book on daily basis. The specific learning outcomes of various courses are built into the curriculum of each discipline and are available in the College website. The feedback analysis of stake holders can help in determining the CO'S & PO'S attainment of the HEI. The obtained attainments are correlated with Vision "Shaping the Pharmacist with Scientific Aptitude and Social Consciousness" and Mission of



the College “**Integrity through Teaching, Learning with Love and Service**”

- **PO’s attainment can be calculated based on the following considerations:**

- Acquired familiarity using artificial intelligence such as QbD, CADD and App designing tools as per the current scenario in drug designing process.
- Knowledge gained on leadership qualities in team building, and having the responsibilities in social consciousness. Planning abilities gained at the end of the course towards implementation of plans and organize work to meet deadlines.
- Developed skills in diagnosing, treatment of diseases or disorders with the Clinical aspects.
- Ability to identify, formulate and solve difficulties in Pharmaceutical Industry, Community and Hospital Pharmacy.
- Ability of the student in describing the synthesis, formulation, analysis, pharmacological, pharmacognostical, biotechnological and regulatory aspects of drugs and biopharmaceuticals.

- **CO’S & PO’S attainment can be obtained by checking through Direct and Indirect method:**

**Direct method:**

- Direct method of attainment can be evaluated by the mid examination; semester end examination pass percentage provides the CO and PO attainment. It is provided through University Examinations, Internal and home assignments, unit tests, surprise tests, open book tests, etc.
- Throughout the year the faculty records the performance of each student on each programme outcome.
- At the same time remedial coaching is also provided to slow learners to make pace with the desired progression.
- **Average attainment in Evaluation Process:** Students under university examination (External assessment) are evaluated for 75% of total marks whereas institution is evaluated for 25% marks as internal assessment.
- Students enrolled for Add On/Certificate Courses offered by the institution are evaluated by the institution itself. At the same time, observations of student knowledge and skills against measurable course outcomes are evaluated throughout the year.

**Indirect method of attainment** can be evaluated based on the student performance in publishing research/review articles, patents, skill development programmes, conferences, seminars, workshops, expo’s, competitive exams like GPAT, GRE, TOFEL apart from their regular curriculum.



## 2.6.2 Pass percentage of Students during last five years

Response: 93.11

### 2.6.2.1 Number of final year students who passed the university examination year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
131	142	146	118	71

### 2.6.2.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
139	151	159	130	74

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.93

File Description	Document
Upload database of all students on roll	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

**Response:** 83.85

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
53.07407	12.23	13.24594	3.65	1.65

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

**Response:**

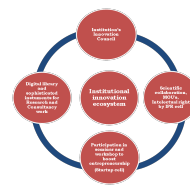
- The objective of the Institution's Innovation Council, Nirmala College of Pharmacy, Mangalagiri, Andhra Pradesh is to carryout activities with various departments as well as other institutions towards innovations, proof of concept, startup and Intellectual property right functions.
- To collaborate and encourage with other organizations to accelerate activities.
- To arrange various workshops and seminar to motivate students and staff to participate in startup making and talk with entrepreneur and business leaders
- To develop Idea, Design and framing Patents.
- To mentor the institutions for motivating to establish the innovation council in their institutions and to carry out the activities which are related to Start up's, IPR, Entrepreneur ships.

Institution's Innovation Council, Nirmala College of Pharmacy was established in 2018-19. The responsibility is to carryout collaborative activities with various departments as well as other institutions towards innovations, startup and Intellectual property rights.

- Currently the "Star rating" awarded by Ministry of Education, Govt. of India during the IIC calendar year 2020-21 is 3.5; best with 4.5 during the IIC calendar year 2019-20. First council meeting was held on 03.06.2019 and discussed on function and responsibilities of all members. In

each calendar year, IIC organize various activities, seminar, and competition as well as encourage students and staff.

- Nirmala College of Pharmacy provided highly sophisticated instruments such as Attenuated Total Reflectance (ATR), Spectrofluorometer, HPLC, Rotary flask evaporator, Elisa reader, UV Spectrophotometer, Bioanalyzer, Randel sellito, Rotary evaporator, etc., to carry out the research activity.
- Nirmala College of Pharmacy, provide digital library (SOUL Software) which include J Gate Biomedical Sciences, UGC inflibnet, to faculty and students to collect the literature survey of respective studies. In collaboration with IIC, Young Scientist Award Competition-2019 was conducted on 19.10.2019; **Ms. V. Vaishnavi** (Y16PH1287) received the award with cash prize for developing application software for patient safety and security. **Dr Ch Supriya** developed and demonstrated **“Bioplastic”** and was felicitated on 24th March, 2018 during annual day as **“Best Innovation award”**. Later on, an indian patent was filled and published with application number 201741028061A. A total number of 28 Indian patents drafted and published since 2017 to 2022. To boost the young minds Institutional Startup Policy was framed in 23.01.2021 for the guideline for conducting the startup and collaboration with other organizations to carryout and supports the startup. Our institution feels proud that, Dr Anjana Male successfully granted an Indian patent with certificate number: 362340 entitled **“A new herbal formula for psoriasis”** on 22.03.2021.
- The College has received Twelve (12) grants so far which were sponsored by DST-SERB, ICMR, AICTE, DST-FIST, TB Association of India. The institution has a well established digital library and research Laboratories. The faculty members have published more than 115 research articles in Scopus / Web of science journals, published 29 patents and granted 02 patents. A total number of 07 Books were published and 04 book chapters were contributed. The faculty members are registered in Scoups, Publons, Vidwan and Orcid to strengthen the research profile.



### 3.2.2 Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 17

#### 3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
5	4	5	1	2

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 Number of research papers published per teacher in the Journals on UGC care list during the last five years

Response: 2.39

##### 3.3.1.1 Number of research papers in the Journals notified on UGC CARE year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
23	45	41	37	19

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

**Response: 1.7**

#### 3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
53	8	55	0	1

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

**Response:**

- Nirmala College of Pharmacy organizes a number of extension activities to promote institute-neighbourhood community to sensitize the students towards community needs.
- The students of our college actively participate in social service activities leading to their overall development.
- The college runs effectively National Service Scheme. Through this unit, the college undertakes various extension activities in the neighbourhood community.
- The objective of the National Service Scheme is “Development of the personality of students through community Service”. The main objectives of National Service Scheme (NSS) are:
  - To practice National integration and Social harmony
  - Identify the needs and problems of the community and involve them in problem-solving
  - Understand the community in which they work
  - Understand themselves in relation to their community
  - Utilise their knowledge in finding practical solutions to individual and community problems
  - Develop competence required for group-living and sharing of responsibilities
  - Gain skills in mobilising community participation

- Acquire leadership qualities and democratic attitudes
  - Develop capacity to meet emergencies and natural disasters
  - Develop among themselves a sense of social and civic responsibility
- NSS organizes a seven day special camp in nearby adopted village Atmakuru and several activities were carried out by NSS volunteers addressing social issues which include cleanliness, Plantation, Environmental awareness, Women empowerment, Medical Camps, Vaccination Camps, Road safety awareness, Swachh Bharat initiatives, AIDS awareness, Blood donation camp, Health check up camp, observation and celebration of important days like World Pharmacist day, World women's day, world AIDS day, Republic day, Independents day, World Diabetic Day, World Health day, world Poor Day, World Cancer day, National Youth day, National Constitution Day. National yoga day etc.
  - Other than NSS unit, various departments of the College is conscious about its responsibilities for shaping students into responsible citizens of the country by making students aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Plastic eradication, No vehicle day, organizing visit to Orphanages, Voters awareness, Blood group detection, Health check -up camps, Blood donation camps, Dental check-up camp, etc.
  - All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

#### Outcome of the Extension activities:

These outreach programmes are inspired the students about social issues, National development concerns and community development. The students are enriched with professional skills, social skills, communication skills, management skills, leadership skills, analytical skills, perceptual skills and competency building. The outreach programmes envisage the knowledge of societal issues related to personal health care and other problems and to find solutions by getting involved with the lives of general public.

#### Number of Extension activities - Year wise

Year	2020-2021	2020-2021	2019-2020	2018-2019	2017-2018
No of Extension Activities	37	12	60	34	46

#### 3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

##### Response:

- Nirmala College of Pharmacy has received a **total 27 Certificate of Awards / recognitions** for the following extension activities from government / government recognized bodies for the past five



years.

- The College runs effectively National Service Scheme. Through this unit, the College undertakes various extension activities in the neighborhood community.
- Students of Nirmala College of Pharmacy Participated and Appreciated from Medical camp Doctors which was conducted every 4th Sunday bimonthly and Organized by collaboration with JVV (Jana Vignana Vedika) & GBR Foundation at SLM Chaitanya School Mangalagiri.
- Our Students 48 members were participated in **Swachh Pakhwada** programme and Received Appreciation Certificates from Mangalagiri municipal Commissioner and Chairman on August 2017.
- Every year our students participating in Pulse polio vaccination programme which was conducted by **Government Hospital**, Mangalagiri, Andhra Pradesh. Every year pulse polio vaccination programme is conducted in two phases and each phase consists of three days period. In the first day Fixed Polio vaccination booth camps at Bus stand, Railway Station, Schools etc. Remaining two days door to door campaign to reach 100% vaccination for who were missed in first day. And every year Pulse polio camp training Programme also conducted before four days of the vaccination programme.
- Nirmala College of Pharmacy has received **Best Eco friendly Award** from Acharya Nagarjuna University on the occasion of 43rd university Foundation Celebrations held at Acharya Nagarjuna University on 11-09-2019.
- Regularly **Blood donation camps** organizing in our college with the collaboration with Red Cross society, government hospitals, HDFC Bank etc and Students were actively participated and got so many Appreciation Certificates.
- Our Students 33 members were enrolled in **Swachh Bharath Summer Internship** 2018 programme and Received Appreciation Certificate.

**27** Awards / Recognitions received for extension activities from government/ government recognized bodies during the last five years:

2021-2022	2020-2021	2019-2020	2018-2019	2017-2018	Total
2	2	7	9	7	27

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years**

**Response:** 70

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
14	3	26	14	13

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.5 Collaboration

**3.5.1 Number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research and other academic activities during the last five years:**

**Response: 17**

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

**Response:**

- The institution has good infrastructural facilities and pedagogical methodologies for teaching learning process, which are maintained and upgraded according to the requirement of higher education and to meet the regulatory requirements of AICTE, PCI and ANU, AP State Government.
- The classrooms are well ventilated and equipped with LCD projectors to facilitate effective teaching-learning.
- The institute has equipped the laboratories with all the required instruments and infrastructural facilities for effective operations for B. Pharmacy, M. Pharmacy, Pharm D and Pharm D (PB) students.
- The institute has ICT equipped Conference / Seminar hall, dosage forms museum, Biology museum, display sections, Pilot plant for manufacturing different dosage forms and Medicinal plant garden.
- The Library is updated with SOUL 3.0 software. Subscription for e-books, e journals, print journals, J-GATE, Micromedix and 10 computers for net browsing.
- The institute has Central store room, where all the chemicals required for the laboratory purposes are stored and distributed to individual laboratories whenever necessary. Stock registers are maintained for equipment, glassware and chemicals separately.
- Students are trained and promoted to use highly sophisticated instruments like HPLC, UV-Visible Spectrophotometer, Tablet punching machine, Tablet coating machine, FTIR, Spectrofluorimeter, Bio-analyzer, Plethysmograph, ELISA reader etc.
- Students are provided with Drug information centre and Patient counseling room to learn Clinical aspects.
- Institute maintains SOP's for all the sophisticated instruments and monitors their usage through Log books. Maintenance of the instruments is done whenever required based on necessity.
- Institute also has approved Animal house as per CPCSEA guidelines/norms.
- Laboratories are well ventilated ensuring the protection of the students. Fire safety instruments are installed in all the laboratories and corridors of the building to ensure safety.
- The institution has established NSS unit, IPA local Branch for inculcating the service oriented attitude among students for their all round development.
- The institute has an Institutional Innovation Cell to promote innovative ideas of students.
- Placement cell has been established to take care of on campus and off-campus drives and employability training sessions for the students.
- To implement, maintain and sustain the quality education at the institute IQAC cell has been developed in addition to ISO quality frame work.
- The institute has provided ramp for easy movement of wheel chairs for differently-abled persons.
- Every workplace at the institute, including faculty rooms, computer lab, library and administrative office has network connectivity with internet access through LAN and Wi-Fi connectivity.
- The institute has day care room for the wards of employees, girl's common room and sick room facility for students.

- The campus is monitored by 55 CCTV cameras for security and safety.
- Institute has generator facility of 82.5 KVA.

#### 4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

**Response:** 11.61

##### 4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
4.93	5.41	9.0	23.4	7.99

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

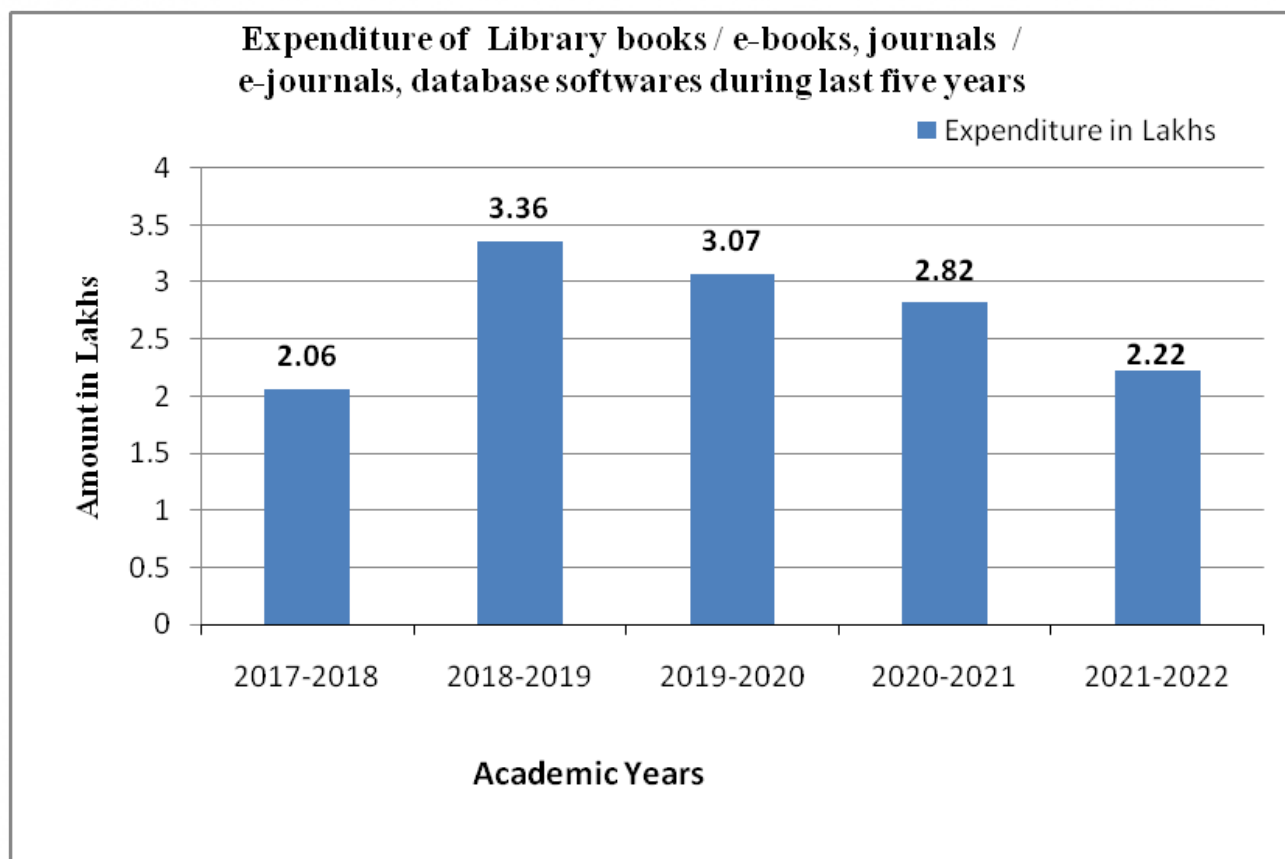
#### 4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

**Response:**

- The College Library is well equipped with updated Integrated Library Management Software such as SOUL 3.0 version for issuing of books to the students and faculty. The Library SOUL Software consists of Modules such as Acquisition, Catalogue, Circulation, Serial Control, OPAC, Administration, Book Barcode, Student and faculty Barcode facility, Book Accession, Book transactions, Member login, Stock Verification facilities like database back-up, Restore facility and book bank facilities are available in this SOUL Software.
- Library is supported by 9118 volumes, 1646 titles, National/International e-Journals, Magazines and Periodicals in printed form, Project books, Practice School etc.
- Reading room facility is available for Students and Teachers.
- Digital Library is also available with facilities such as subscription to DELNET, J-Gate Bio Medical Sciences and Knimbus e-journals, e-books are provided to access and upgrade the research knowledge of the staff and students.
- Ten Computers are available in digital library with antivirus, Micromedex software, printing and free internet facility also available for students and staff members.
- The library is equipped with Wi-Fi for internet access to the students /staff lap tops.
- Library has a seating capacity about 101 students at a time.
- Library is equipped with printing and photocopying facility for the convenience of the students and

staff.

- In-house/remote access to e-resources is available only on the campus network.
- The Chief Librarian and library staff provides the orientation to students who are admitted into First Year B.Pharm / M.Pharm / Pharm D courses. The orientation includes rules and regulations of the library, procedure for issue and return of books, available e-resources in the library and access to the same. Library staff also assists the newly appointed staff as and when required.
- Approximately Rs.3,50, 000/- amount will be utilized for Library annual purchase of Books, Journals, e-Journals, database maintenance.
- An average of 120 members are visiting to the library daily for updating the knowledge using the book facility and Digital library.



### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

##### Response:

Nirmala College of Pharmacy has 85 Computers, out of which Computer cum Language Laboratory is facilitated to the students with 62 systems. LAN facility and internet connectivity are provided to facilitate ICT enabled teaching and learning. All the systems are regularly monitored, replaced and upgraded as per the norms of statutory bodies. Instruments in PG labs are connected to computers with relevant software. All laboratories, library and offices are LAN connected through CAT6 high speed cable.

Micromedix software is installed at our computer laboratory and in addition, five systems are placed at associate Manipal tertiary care Hospital, Tadepalli, Vijayawada are made available for Pharm D students and staff for operating Clinical data.

Ex-Pharma, Chem Draw Software's are also installed at our computer lab for carrying out Pharmacology simulated experiments and to draw the structures of the compound. Systems are provided to Department Head's / Programme Co-ordinators at the institution.

Digital Library is equipped with 10 computers for browsing of e-journals, data bases like J – GATE, DELNET; SOUL 3.0 is subscribed for College Library.

College regularly updates IT facilities including Wi-Fi. Internet facility is availed from service providers of EXCELL internet connections with 50 MBPS Speed. The College is upgraded to the leased line for better internet facilities.

The information in the computers is effectively protected by passwords for individual folders. Sites other than academics are blocked. IT Help Desk and a network administrator are employed to resolve the problems, if any. Some class rooms are provided with LCD projectors with internet facility.

To maintain security, institute has installed 55 closed-circuit cameras connected to a Television to capture footage in and around the campus.

Institute broadcasts events on Institutional YouTube channel

<https://www.youtube.com/channel/UCqT0wqXHUNdooPEo-LpfEDQ>

SL NO	IT FACILITY	NATURE OF UPDATION
1	SOUL 3.0	Inflibnet Library software
2	Broad Band	Excel Broad Band
3	Databases	IBM Micromedix Software / Upto Date
4	e-journal	J Gate Biomedical Sciences / Delnet / Knimbus
5	Computers for academic Purpose	62
6	Experimental Pharmacology Software	Virtual Lab Ex -Pharm Series Software
7	UPS	5
8	Printers	09

9	Xerox Machines	04
10	CC TV	55
11	LCD Projector	12
12	Router	5
13	Intercom	8
14	Public Addressing System	44

#### 4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 11.06

##### 4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 62

File Description	Document
Upload supporting document	<a href="#">View Document</a>

Other Upload Files	
1	<a href="#">View Document</a>
2	<a href="#">View Document</a>
3	<a href="#">View Document</a>
4	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)

Response: 47.07

##### 4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic

support facilities) excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
42.8	98.2	12.65	31.0	21.0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

**Response:** 48.63

##### 5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
328	304	202	347	324

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

**Response:** 62.16

##### 5.1.3.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
424	179	404	411	506

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** C. Any 2 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 5.2 Student Progression

#### 5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

**Response:** 45.86

##### 5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
87	70	52	62	28

##### 5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
140	151	157	130	74

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

**Response:** 47.09

#### 5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
34	46	28	47	15

#### 5.2.2.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
76	81	79	82	43

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

### 5.3.1 Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

**Response:** 39

#### 5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at

*national/international level (award for a team event should be counted as one) year wise during the last five years*

2021-22	2020-21	2019-20	2018-19	2017-18
3	2	5	20	9

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.3.2 Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

**Response:** 18.4

#### 5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
27	12	11	16	26

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

**Response:**

The College has a registered Alumni association with Registration No: **AP0401695035** which works effectively since 2011. The main objective of Alumni Association is to: Create a strong network between Alumni and the Institute. Create a strong network for Alumni progression as well as students' progression. Because of the excellent rapport maintained by our faculty members with our Alumni, we are able to make a strong bonding and network between Alumni and the Institute. Many of them are willing to '**Give-Back**' to their gratitude towards the Institution in a form of their knowledge and skills that they have learnt in this

huge Pharmacy world.

### **Alumni Association Contribution:**

**1. Alumni Interaction:** Alumni of Nirmala College of Pharmacy invited eminent persons from various fields to conduct the events, guest lectures and panel discussions. They provide inputs and share their experiences regarding skills, recent technologies & application of knowledge.

**2. Placement & Career Guidance Assistance:** Alumni are working in various esteemed organizations at various capacities. They keep in touch with the faculties and the placement officer abreast about the available job opportunities. They also share their experience with the students and motivate them for their career development in various domains.

**4. Campus Drives:** Alumni support campus drive to recruit present students in various companies and they also encourage & motivate them for better opportunities. In this context **Mr. SS. Lavakumar**, Alumni member has arranged placement drive from **Epi source Ltd.**, to their juniors at our College.

**5. Entrepreneurship Awareness:** Some of our Alumni have established startups in different sectors, many of them are first generation entrepreneurs. Through the journey as an entrepreneur they learnt various skills & knowledge. In this regard **Mr.T.Manoj Kumar** and **Mr. Ch. Rajesh**, Alumni Member has delivered the presentation on Entrepreneurship to the current students at our College. He has enlightened the students with their success stories and challenges faced.

**6. Alumni Meet:** We have a tradition of inviting Alumni for Annual Alumni Meet “**Convergence**” in the month of January. In this meet the alumni get chance to reconnect with the Alma matter and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to the academicians for molding the aspiring students.

**7. Promoting Institute Events:** Alumni association has sponsored various events at our College like Social service activities, Placement drives and Pharma exhibitions. Among all Pharma Expo is one of the mega events at Nirmala College of Pharmacy organized on the occasion of National Pharma week celebrations. The College is also organizing Sports meet (Nirmala Play Off's) with the support of Alumni fund.

**8. Institute Social Responsibility:** Our Alumni also contributed the amount for the conduct of Social Service activities in association with NSS unit. In this context the programmes like Donation of Books, OTC medicines, School bags to the orphanages, old age homes, food distributed to the Covid victims during the Covid pandemic, Health awareness programmes, etc.,

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance**

**Response:**

#### VISION

**“Shaping the Pharmacists with Scientific Aptitude and Social Consciousness”.** Quality Consciousness, Creativity, Innovation, Sensitivity and Services are the wheels of the Institution. The combination of these values is the defining characteristics of the Institution. The College aspires to bring in holistic development of the students with integrated values aiming to excel in every field. We believe Educational Institutions have multiple roles to play. Hence, Nirmala College of Pharmacy develops a Scientific mind with Social consciousness preparing the student a complete and perfect Pharmacist.

#### MISSION

**“Integrity through Teaching, Learning with Love and Service”.** The statement of our Mission comes from the College motto **“Love and Service”** which reflects the holistic development of the person with integrated values aiming to excel in every field. Nirmala College of Pharmacy focuses on seeking God in all things and working to expand knowledge in the service of humanity through learning Pharmaceutical Sciences with Faith and Trust.

Nirmala College of Pharmacy wish to achieve the stated Vision which is to bring up the Institution at frontier in National level. The College communicates the commitment and purpose to the faculty and stake holders through its Mission. The Institution establishes the unique measurable objective, streamlined process in teaching, learning with inspiring pedagogies. The entire team is committed to pursue the mission through getting NIRF ranking continuously for the last 5 years and receipt of AICTE-RPS, AICTE –MODROBS, DST-FIST, DST-SERB, TB Association of India, ICMR and various research grants. The improved GPAT scores of the outgoing students and their admissions in higher educational institution and abroad are the success pathways.

Students are showing interest to join foreign Universities after clearing different competitive exams, reflects the academic quality. The respective class representatives will continues to meet the Principal to express their opinion related to teaching learning process. The students are also given a free hand to express their difficulties through their class teachers and feedback. The program monitoring committee addresses all these issues and establish conducive atmosphere for effective teaching learning process.

These decentralized Governance, reflected in students progression and academic results. Each department of the College has been focusing on the innovative research areas through inter department and inter disciplinary projects. The Head of the Department can define their area of interest and link industrial experts. A separate Research & Development cell exists to overview the research activities. This effective governance resulted in many funding projects sanctioning including industrial research. One of the main objectives of Nirmala College of Pharmacy group is focusing the community and giving back to the

Society for upliftment. The department of Pharmacy Practice along with associated Manipal Hospital, Government Hospital, Mangalagiri and through Local bodies established a separate system of Governance to reach out the community.

A separate Student's Career progression Cell is functioning for motivating the students. The students are trained in Soft skills and Entrepreneurship activity. Further student council activities resulted in better student attribute achievement. This governance will help the institution to achieve its Mission and Vision statement.

## 6.2 Strategy Development and Deployment

### 6.2.1 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

#### Response:

The Governing Body is responsible for the operation of all the activities of the Institution such as Finance, Academic, Administrative, Research and Development and Domestic arrangements. It is the key strategic decision-making body, setting the strategic framework and ensuring that it meets all its statutory body norms. The Governing Body can entrust certain responsibilities to various committees, but it still retains ultimate accountability for the running of the Institution.

#### The Governing Body comprise of the following members:

President / Chair Person	: Rev. Sr. K. Maria Sundari
Secretary / Correspondent	: Rev. Sr. G. Nirmala Jyothi
Principal	: Dr. SK. Abdul Rahaman
University representative	: Dr. A. Prameela Rani
Members	: Sri. K. Jayaram Reddy, Industrialist
	Dr. Anjana Male, Professor
	Dr. T. Vinay Kumar, Professor
	Mr. R. Naresh Babu, Associate Professor

#### Appointment of employees:

Teachers shall be appointed on the basis of qualification, merit, experience and quest for learning. A candidate applying for the post of a teacher shall possess the qualities of commitment, cooperation, respect for religious and cultural heritage of others, social concern for the less privileged, patriotism etc.,

Every employee is appointed through a proper selection committee. If any employee is appointed on contract or 'adhoc' basis in the middle of the year. He / she should attend the interview in the following year.

Every employee shall be appointed through the proper recruitment panel approved by the Governing Body and their service shall be regularized by the Management after the period of probation.

#### **Constitution of the Staff Selection Committee:**

- Provincial Superior or Her delegate
- Secretary / Correspondent
- Principal
- Two Subject Experts
- University Nominee

#### **Employee Service Rules:**

#### **Appointment of Employees**

#### **Recruitment Procedures and benefits/rules of Employees**

1. Selection Committee
2. Mode of Recruitment
3. Eligibility of the Applicants
4. Selection of candidates
5. Appointment and Agreement
6. Agreement form
7. Identity proofs
8. Probation
9. Regular appointment
10. Annual increments
11. Seeking appointment elsewhere
12. Retirement
13. Voluntary retirement
14. Compulsory retirement
15. Resignation
16. EPF/ESI
17. Service gratuity
18. Faculty Development Programmes
19. Deputation to Training Programmes
20. Consultancy
21. Research

#### **Promotional Policies**

Eligible and capable employees working in the Institution are promoted to the higher posts. Such employees have to possess required qualifications and years of service, paper presentations, publications in indexed journals, patent publication / award, books authorization, etc., as per the UGC / AICTE / PCI



norms promotions are done by the Governing Body.

The API (Academic Performance Index), PBAS (Performance Based Assessment System) and satisfaction of the Management shall be given due weightage in considering the promotion of an employee to the higher grade. The minimum cumulative score of API using PBAS developed by the institution govern the promotion of an employee from one stage to another.

### 6.2.2 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures and Performance Appraisal System for teaching and non-teaching staff

**Response:**

Nirmala College of Pharmacy trusts the contribution of the Employee towards the Overall development and progress of the College. The College offers worthwhile Welfare schemes to all the Teaching and Non-Teaching Staff to ensure and boost their work culture and efficiency. The welfare schemes implemented for Teaching and Non-Teaching Staff of the College are as follows:

- **Employee Provident Fund Scheme**
- **Appreciation of Staff:** Institution encourages by felicitating the teaching and non-teaching staff members for their outstanding achievements.
- **Staff Gratuity Scheme**
- **On Duty Leave:** Institution promotes faculty members to upgrade the knowledge by providing various facilities like On Duty leave for participation in Seminar/Workshop/Conferences, Orientation programme, Refresher course, Short Term Training programmes etc.,
- **Medical Leave**
- **Maternity Leave**
- **Bank Loan Beneficiaries**
- **Fee Concession to Children of staff**
- **ESI**
- **LIC**
- **Casual leaves / Earn Leaves / Compensatory off**

- **Festival advance to Staff**
- **Sponsorship is offered** for Research Paper presentation in National/International Conferences / Seminars / Workshops.
- Staff members are provided with the facilities of access to e-resources.
- Free internet facility is provided to the Staff through Wi-Fi and LAN.
- **Institutions Performance Appraisal System for Teaching and Non-Teaching staff**

1. **Category I : TEACHING-LEARNING AND EVALUATION CONNECTED ACTIVITIES**
2. **Category II : CO-CURRICULAR, EXTENSION AND PROFESSIONAL DEVELOPMENT ACTIVITIES**
3. **Category III : RESEARCH AND ACADEMIC CONTRIBUTION**
4. **Category IV : FEEDBACK – EVALUATION OF FACULTY**
5. **Category V : VOLUNTEER CONTRIBUTION FOR THE INSTITUTIONAL GROWTH / DEVELOPMENT**

The Management scrutinizes the appraisal reports of the institution. Post approval of management authorities, the appropriate action is taken for concerned staff;

- a) Regularization of probationary services,
- b) Release of increment
- c) Issue of advisory note in case of extreme cases.

#### **Non-teaching Staff Performance-Based Appraisal System:**

The performance appraisal of Non-Teaching staff is based on various parameters such as the Employee's attitude towards job profile, respond quickly to the needs of the student, faculty and institution, intimate Principal for sanction of leave, employees work adjustment during leave, punctuality, up scaling ones knowledge, performance, communication and work equation with colleagues, willing to work by extending timings to complete the task assigned if needed, respond positively to any instruction, immediate location of files when asked for data. They are also encouraged to attend various administrative training programmes, training sessions of Good Laboratory Practices, fire safety training programmes, personality development programmes to acquire necessary knowledge to accomplish the specified work.

#### **6.3.2 Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 6.13

##### **6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4	1	3	3	2

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

Response: 44.52

#### 6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
25	35	38	46	47

#### 6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
42	44	38	47	46

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

Response:

**Institution conducts internal and external financial audits regularly**

The College has an internal and external audit system. The internal audit is done every year by the registered Chartered Accountant appointed by the Nirmala College of Pharmacy. While the external audit is carried out by competent authority appointed by management. Objections in the audit report are complied as per the discussions and suggestions of the Management and Chartered accountant.

The internal audit in which any discrepancy is noted in the financial dealings of the institution. The finding of the internal audit is documented and the same is brought to the notice of the Principal for compliance and rectification of discrepancies.

The external audit of the institution is carried out by competent authority designated by the Management from time to time.

The institution also follows the Policy of external audit for financial dealings taking place in Examinations, Student Welfare, Assessment, Research, NSS, Alumni, Repair and maintenance, Staff welfare, Salaries, Programmes organized, etc., there by depicting transparency in its financial dealings.

### **Institutional strategies for Mobilization of funds and the optimal Utilization of resources**

Being a Self financed institution, the main source of income is the fees from students. The income is further augmented by receipt of grants from government organizations. Approximately 60% of the students rely on scholarships of different kinds. With respect to financial mobilization the institution adheres to code of conduct and firmly believes in maintaining integrity in all financial dealings. Majority of the financial processes are automated in order to avoid human error.

Prior to start of next financial year, the Management directs the institution to plan its Annual Budget. The Principal upon receipt of directions from Management then directs the various departments to submit their departmental budgets. Care is exercised to ensure that each and every aspect is covered in the Departmental Budget. Upon receipt of Departmental Budget, the Principal in co-ordination with the Secretary/Correspondent; formulates the Institution budget and does changes wherever required. The preliminary budget is then submitted to the Management for primary approval. Since the admission process is not completed at this stage, tentative figures are depicted for number of students admitted. Post admission process, the final budget is drawn indicating the actual student strength which finalizes the income side. Competent faculty with a higher qualification, state- of the art- laboratories and good placement record enabled fixing of better fee structure by the Govt. Fee Regulatory Authority(AFRC).

### **Optimal Utilization of Resources:**

The resources are utilized for the following as per the budget proposal put forward and approved by the Management.

- Employee Salaries & benefits are a major component of expenditure.
- Furniture, Laboratory Equipment and Consumables, etc.
- Library.
- Skill Development and Innovation.
- Training & Placements
- Software procurement, up-gradation and maintenance.
- Wi-Fi, Internet & Networking.
- Student Services- NSS, Sports.

- Power and fuel.
- Printing and Stationery.
- Postage and telephones.
- Affiliation and Renewals.
- Travel and conveyance.
- Repair, Replacements and Maintenance.
- Taxes and Licenses.
- Scholarships to Merit and Poor students.
- Campus maintenance.
- Conduct of Events.
- Miscellaneous Expenses.

## 6.5 Internal Quality Assurance System

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

### Response:

IQAC was constituted in the year 2017 at Nirmala College of Pharmacy to monitor the institutional quality maintenance and its enhancement in the field of education and research. The set up of IQAC has been started with the following composition with the specific duties and responsibilities with the following objectives:

1. IQAC monitors the curricular, co-curricular, teaching learning methodologies, research and innovations, Infrastructure facilities, student's progression, e-governance monitoring, financial management and resource mobilization in a time bound manner.
2. To motivate students in a socialistic approach.
3. To organize industrial visits and educational, training programmes towards practical skill enhancement.
4. To promote the research innovative ideas of students and faculty
5. To encourage the students and faculty towards publishing the research articles in reputed journals and filing under IPR.
6. To promote eco-friendly, plastic free and green environmental campus.
7. To obtain the feedback from all the stake holders in uplifting the institutional quality.
8. To monitor the progress of inter disciplinary actions.

### IQAC COMPOSITION:

S.No	Composition	Duties
1	Chairperson	To monitor, guiding, advising the relevant activities need to be carried out for institutional quality enhancement
2	Administrative officer	Permits and facilitates the suggested activities to be carried out in the institution
3	Management members	Monitors and provides the required funding for quality maintenance and improvement

4	IQAC Co-ordinator	Implementation and co-ordination with all the IQAC team maintenance in HEI
5	Teachers	Coordinates and monitors the quality initiative activities in the campus
6	Nominees from stake holder	Participates, monitors and provide feedback for the quality initiatives in HEI
	a. Student members	
	b. Alumni members	
	c. Parents	
	d. From local societies	

Two Best Practices established as IQAC initiatives in the institution are;

1. Establishment of Mentor – Mentee system
2. Allocation of various strategies for Advance learners and Slow learners

#### **Establishment of Mentor – Mentee system:**

Mentor-Mentee system has been started in Nirmala College of Pharmacy from 2014 onwards for providing both personal and professional support for students in early stage of graduation, and PG programme.

It provides the most valuable and effective development opportunities. 1 Mentor is allotted for 15 Mentees. Mentoring is the transfer of advice, knowledge and insights. Monthly monitoring process is practiced and carried out in our organization for developing relationship.

#### **Allocation of various strategies for Advance learners and slow learners:**

Students with learning difficulties have the same psychological needs and characteristics as other students. Some of them are less ability to organize their perceptions, poor memory, poor level of motivation, short span of attention in work situation, associated behavioural problems, parents back ground of the student, Telugu medium background. For slow learners we have provided Remedial classes by allocation of subject wise important questions to improve their learning ability.

For fast learners we have provided training programmes to improve their communication skills also provided with the opportunity to participate in various National, International Conferences and webinars and also given special coaching classes for competitive exams.

#### **6.5.2 Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
- 2.Collaborative quality initiatives with other institution(s)/ membership of international networks
- 3.Participation in NIRF
- 4.any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

**Response:** D. Any 1 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

##### Response:

The College has been taken utmost care in organizing the events and give emphasis to learning aspects beyond the Classroom. The Institution has become a custom to celebrate National and International Commemorative days, to make them institutionalized and internalized. These activities will provide students with organizing skills apart from academic orientation. Team work and leadership skills are also learnt by students as they get involved in organizing the events; for that the institution provides all the resources.

For the promotion of gender equity the College will provide special care for the girl students like;

- **Women Cell Counseling Room:** Objective of the women counseling is to motivate, empower women and secure feminine gender. In addition to that girl students are given equal opportunity to participate in Sports and Games, conduct of events/programmes, deputing girl students in various Student committees as members/co-ordinators. The Management also take care about the girl children in the following;

**Sick Room:** Provide health care service to all the girl students at any time during college hours.

**Hostel Facility:** Increasing mobility of students, to seek the education they desire, residential unit can foster community living provide security, especially for women students who cannot live alone.

**Common Room:** It helps to interact, discuss with their friends and for rest. College has recognized the need of this room for girls, especially in a co-educational institution.

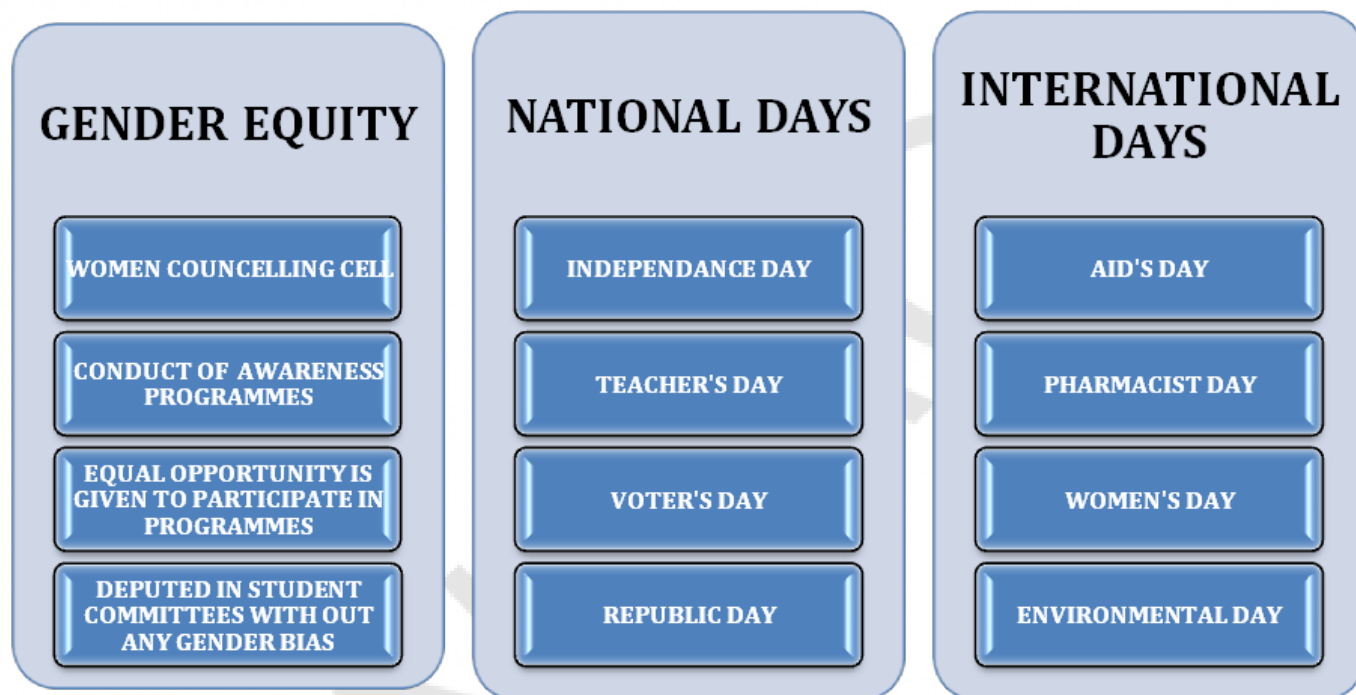
**Transportation Facility,** out pass facility, issue of out pass for girls during emergency, Day care facility etc will provide by the college for girl students.

College Management will provide facilities to celebrate/ organize National and International commemorative days, events and festivals like

- **Republic Day:** To commemorate the adoption of the Constitution of India, January 26th is celebrated with the formal events of flag hoisting by the College Principal.
- **Independence Day:** Celebrates with national pride and flag hoisting ceremony inspires everybody to participate in nation building. It gives an opportunity to look back with reverence and gratitude for what the country has been able to achieve and pay tributes to the eminent persons.
- **Teacher's Day:** The birthday of the eminent philosopher teacher, **Dr.Sarevepalli Radha Krishnan** is celebrated on 5th September of every year in the college campus.
- On 25th January **Voters Day**, Enlighten the students and local community about the importance and utilization of vote and misuses of vote etc.



- International **Women's Day** is celebrated annually on 8th March; commemorate the cultural and socioeconomic achievements of women.
- **Aids Day** on every year 1st December, faculty and students conducting rally in villages, giving the instructions about aids and precautions to the peoples to control the spread of AIDS.
- **World Environment Day** is celebrated annually on 5th June, Encouraging awareness and action for the protection of the environment.
- **World Pharmacist Day** celebrates on 25th September on every year to promote their commitment to organize activities, role of the Pharmacist in improving health in all parts of the world.



### 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**Response:** A. 4 or All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives

**4. Beyond the campus environmental promotion activities****Response:** C. Any 2 of the above

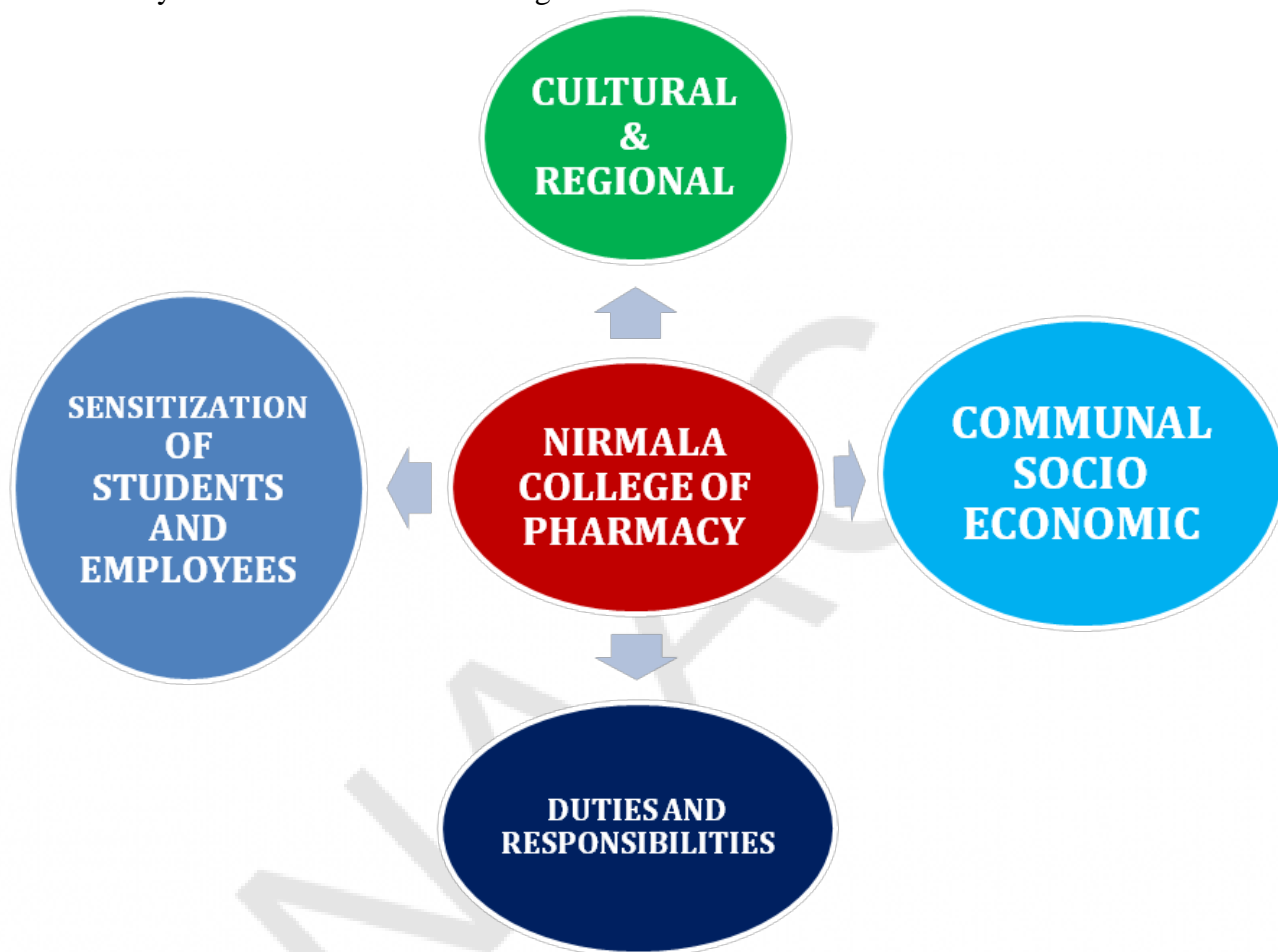
File Description	Document
Upload supporting document	<a href="#">View Document</a>

**7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)****Response:**

- The College is Located in a rural area and creates a constructive impact on the society's cultural and communal framework, inviting students from all over India. The College is well connected by road and rail so that students from various parts of the city and rural places have an easy access to reach the college.
- Government will provide Scholarships for poor students who joined under convener quota given by Higher education of Andhra Pradesh. Fee Concession is also given to economically and socially backward section of students.
- Student are participated in various competitions like quiz, essay writing, debates and lectures are held in different languages like English, Telugu, Hindi, etc. to foster linguistic diversities.
- Student volunteers are placed in various committees, to learn the importance of teamwork, events, tolerance and harmony to achieve a desired result. Students get a platform to mingle with others belonging to different cultures and traditions.
- Students from various places (Maharashtra, Kerala, Tamil Nadu and Telangana), languages (Malayalam, Marathi, Tamil, Hindi, English and Telugu) religions and communities study together under one roof.
- Festivals like Ugadi, Holy, Christmas and Sankranti etc., are celebrated together. Celebrates Fresher's Day, Farewell Day, Annual day and the Cultural and Sports Meet, instills team spirit and positive vibes.
- Orientation and Personality Development Programmes are offered to the new entrants, fresh perspective to move together without any apprehensions and personal prejudices.
- Independence Day, Republic Day, Constitution day and other commemorative days enable students to learn about the fundamental rights, duties and to abide by the Constitution of India.
- Dance and Drama blended with singing hold the breath of every spectator. Especially, the farewell day is celebrated with tear filled eyes, amidst mixed feelings of joy and sadness.
- The Head of the Institution play an important role in all academic matters and carries out its smooth functioning like, student admissions, checking of lesson plans, regular class work and completion of Syllabus, acts as head of all committees and Co-ordinates them, promote quality and Research culture in the College. In addition to that, the College promotes Value based Education and Ethics for integrated and holistic development and to promote a culture of organization at National and International events.
- Teaching Staff will disseminate the knowledge in special subject or subjects to all the students, conduct tutorials, seminars, group discussions and give home assignments to the students. The staff delivers the class-room teaching systematically and methodically to complete the prescribed

syllabus as per the academic plan / teaching schedules drawn up by the Department etc.

- Library Staff prepares an indent for purchase of books, renewal of softwares, e-journals/e-books at the beginning of the academic year. The purchased books are issued to the students and see that whether they are returned on time and in good condition.
- 



## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

**Response:**

### I. Best Practices - I

**Title of the Best Practice:** Development of the Personality of students through **National Service Scheme (NSS)**.

**Key Objectives:**

The objective of the National Service Scheme is “Development of the personality of students through community Service”. The main objectives of National Service Scheme (NSS) are:

- ? To practice National integration and Social harmony
- ? Identify the needs and problems of the community and involve them in problem-solving
- ? Utilise their knowledge in finding practical solutions to individual and community problems
- ? Develop competence required for group-living and sharing of responsibilities
- ? Gain skills in mobilising community participation
- ? Acquire leadership qualities and democratic attitudes
- ? Develop capacity to meet emergencies and natural disasters
- ? Develop among themselves a sense of Social and Civic responsibility

### The Practice:

In this reporting year NSS Unit of the College started new agenda for the College going youths by involving themselves as NSS Volunteers who do not have access to and control over their resources and escorting NSS Volunteers how to work with rural community people, generating awareness about Pulse Polio Camp, Medical Camp, Republic Day, World Women's Day, National Pharmacy Week (NPW) Celebrations, Seminar on Moral & Ethical Values, Road Safety Awareness etc.,

? On the occasion of 59th NPW celebrations department of Pharmacology and Pharmacy Practice organized a Workshop on **"AWARENESS ON COVID-19"** held on 24/11/2020 and provided the knowledge on Preparation of sanitizers, Usage and wearing of masks, Medication and treatment for Covid-19, Training on operation of BP apparatus, Oxymeter and importance of nutraceuticals in health management.

? **Prof. Nagesh**, Psychiatrist, Hyderabad delivered a seminar on 20th January, 2021 to the B. Pharmacy, M.Pharm, Pharm D and teaching & non teaching Staff on Moral and Ethical Values.

? Our students of III B. Pharmacy 85 members participated in Pulse Polio programme in association with Government Hospital, Mangalagiri on 31st January – 2nd February, 2021. In the same programme polio drops were given for about 8450 children.

? The institution celebrated 72nd Republic day on 26th January, 2021.

? The institutional Women Grievance Cell organized International Women's day with a theme **"Choose to Challenge"** on 8th March, 2021. Smt. Vallabhaneni Vani, President, Sneha Mahila Mandali, Mangalagiri has participated as Chief guest and delivered a message on Women Empowerment, Women Covid-19 warriors, etc., All the girl students of B.Pharm, Pharm D, M.Pharm and Women staff were present.

? Department of Pharmaceutical Chemistry and Phytochemistry organized a Workshop to the I B.Pharmacy, I Pharm D students on **"Safety in Laboratory and Handling of Hazardous Chemicals"** on 03/03/2021.

**Evidence of Success:**

NSS activity i.e. regular as well as special is a practical knowledge among the students community through field study that brings new ideas for new creativity and innovation and ultimately the higher standard of living which is a measure of developed economy.

**Problems encountered and resource required:**

Though N.S.S. Volunteers are committed to work for the cause of community and society, yet it is very difficult for them to live up to the high expectations of the people. They have to perform numerous tasks in a relatively short period of time, while completing their courses. They are bound by rules and regulations. They come across some practical problems while performing various awareness campaigns. One such common problem is that some villagers are reluctant to cooperate with the volunteers and adamant about their notions. Organizers, too, come across various problems. Selecting a proper place for the camp is a tough task. However, problems are overcome and activities go forward in the direction of success. Sufficient funds should be allocated for NSS activities. Permanent faculty should be appointed on the regular basis to carry out NSS activities. NSS activities should be included in the syllabus as an essential part.

**II. Best Practices - II****Title of the Practice: Former Graduate Association - Alumnus**

**Objectives of the Practice:** The main objective of Alumni Association is to: Create a strong network between Alumni and the Institute. Alumni are resources that can provide meaningful and mutually beneficial relationships over time. The Alumni Association is registered with Registration No: **AP0401695035**. Alumni serve many valuable roles, such as helping to build and grow an institution's brand.

1. To promote a strong relationship between Alumni and Nirmalites.
2. To assist the placements to the present students.
3. To arrange health camps at villages.
4. To organize conferences, Seminars, personality development programs and other training programs to the students.
5. To raise the sponsors for the up-gradation of research activities, strengthening the labs and to help the poor.

**Practice:** The Alumni Association of Nirmala College of Pharmacy conducting Alumni meetings regularly in the month of January. Alumni association is having the plan to conduct various events like National Seminars, Conferences, Workshops, Campus drives, sports meet, Guest lectures by eminent personalities with the support of Alumni contribution.

**Evidence of Success:** The College Alumni Association has facilitated tremendous positive vibes in currently studying students. Since, it is observed that Alumni has contributed the amount and conducted several programmes such as Pool campus drives, Seminars, Conferences, delivered the guest lectures as resource persons, supported poor students those who are in dire need, Pharma Exhibition, Sports and Games, etc.,

**Problems encountered and Resources Required:**

- The most obvious and top challenge was “Getting Alumni students to attend events”- effective gathering is possible by giving prior invitation through proper channels like E-mails, What’s App, Mobile communication, instgram, Twitter, etc.,
- Virtual Alumni meet: Virtual Alumni meet make them participate in the event, facilitate networking opportunities for our alumni members.
- **Alumni Information:** Alumni information is collected through the social media channels like Face book, What’s app and Mobile phones.

**7.3 Institutional Distinctiveness****7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words****Response:****::: ECO-FRIENDLY CAMPUS :::**

The College is believe that, an environment is an important issue even when Society is faced with economic crises, wars, and unending social problems. It matters because Earth is the only home that humans have and it provides air, food, and other needs. The institution's maintenance towards its cleanliness, physical ambience are well managed by the Office superintendent's Sister. Under whom many more sweepers, Washroom cleaners, Gardeners are working to preserve the peaceful environment of the institution. In recent years the herbal garden and green garden facility are also added to enhance the Physical ambience. We have full time workers to take care of our green environment such as big trees, flower garden and herbal garden.

**INITIATIVES TAKEN BY THE INSTITUTE TO MAKE THE CAMPUS ECO FRIENDLY****Carbon Neutrality Management:**

- The institution does not have any environment-polluting laboratories.
- The institution has planted a large number of plants throughout the campus to reduce atmospheric carbon dioxide levels and keep the air in the campus fresh and clean.
- Use of LPG is minimized by using electric devices to reduce emission of Carbondioxide and other gaseous pollutants.
- Tree plantation programme is carried out in the campus through NSS volunteers to keep the campus clean and pollution free.
- The College has reserved parking lots for vehicles.
- Vehicles entry is restricted inside of the campus (once in a month every 4th Saturday – parking outside of the college entrance gate).

**E-waste Management:**

- Old monitors and CPU's are repaired and reused in most of the cases.
- The e-waste is sold time to time to the local people
- Remaining wastes are disposed of by the recycling agency.

#### **Water Management:**

- The College has regular supply of corporation water with one inch pipeline and gets adequate supply of water.
- A stream flowing rain water along the margin of premises is blocked with the help of gravel and sand where the water flow is stopped and water storage is increased. This water also helps in recharging the tube well and maintains the water table of premises.

#### **Management of Energy Conservation:**

- All light fittings have been fitted with energy efficient tube fittings.
- The College has power connections with a central substation, control panel and power room.
- Energy saving equipment recommended for practical's using microwave ovens and Ultrasonicators are in sufficient numbers in the department. In the Chemistry practical's microwave ovens are used for synthesis of organic compounds in order to save electricity and herbal compounds are also extracted with the help of microwave ovens.
- Use of glass windows for maximizing use of available natural light in operational areas. Class rooms and laboratories are well designed for proper natural lighting and ventilation.
- College has installed solar panels to trap solar energy for the use of LED lamps in the premises.

#### **Firefighting:**

- Fire extinguishers have been installed in each laboratory, library, animal house and corridors. The use of Fire extinguishers has been demonstrated to the faculty and the staff by expert personnel. Besides, sand buckets are kept at various locations and refilled every year.

#### **Hazardous Waste Management:**

- Broken glassware of any sort is considered hazardous waste and is disposed of appropriately.
- Use of plastic bags is discouraged within the premises of the college.
- College has an MOU with Panchayath for collection and disposal of waste.
- The other laboratories wastes are also disposed of through Atmakur Panchayath.

### **WASTE MANAGEMENT SYSTEM**

Proper waste disposal is critical due to the fact that certain types of wastes can be hazardous and can contaminate the environment if not handled properly. These types of waste also have the potential to cause disease or get into water supplies. There are rules and regulations in place for how specific types of waste should be disposed of. Following them allows for toxic waste to be safely discarded without the risk of environmental contamination.

#### **Proper Waste Disposal and Environmental Health**

Hazardous wastes that are not properly disposed of can leak and contaminate soil and water, which can

lead to issues with both the environment and human health. Burning the wrong types of waste can release gasses into the atmosphere. When waste is properly discarded, special liners are used to prevent toxic chemicals from leaking out and precautions are taken so that any methane related to burning trash is safely contained.

### **Proper Waste Disposal and Public Health**

When waste is disposed of properly, it helps to prevent additional pollution which can improve public health. Polluted air increases the risk of respiratory illness. Waste that is properly disposed of has a lesser chance of getting into the water supply and causing illness.

### **Irrigation Systems:**

There are many ways to deliver irrigation water to the field. The best system is field specific. There are several options for delivering irrigation water. The three major categories of irrigation systems are:

**Sprinkler irrigation systems** – where center pivots are the type most commonly used for cotton production;

**Surface irrigation** – applying the water down the furrow from siphon tubes or poly-pipe as well as flooding an irrigation basin;

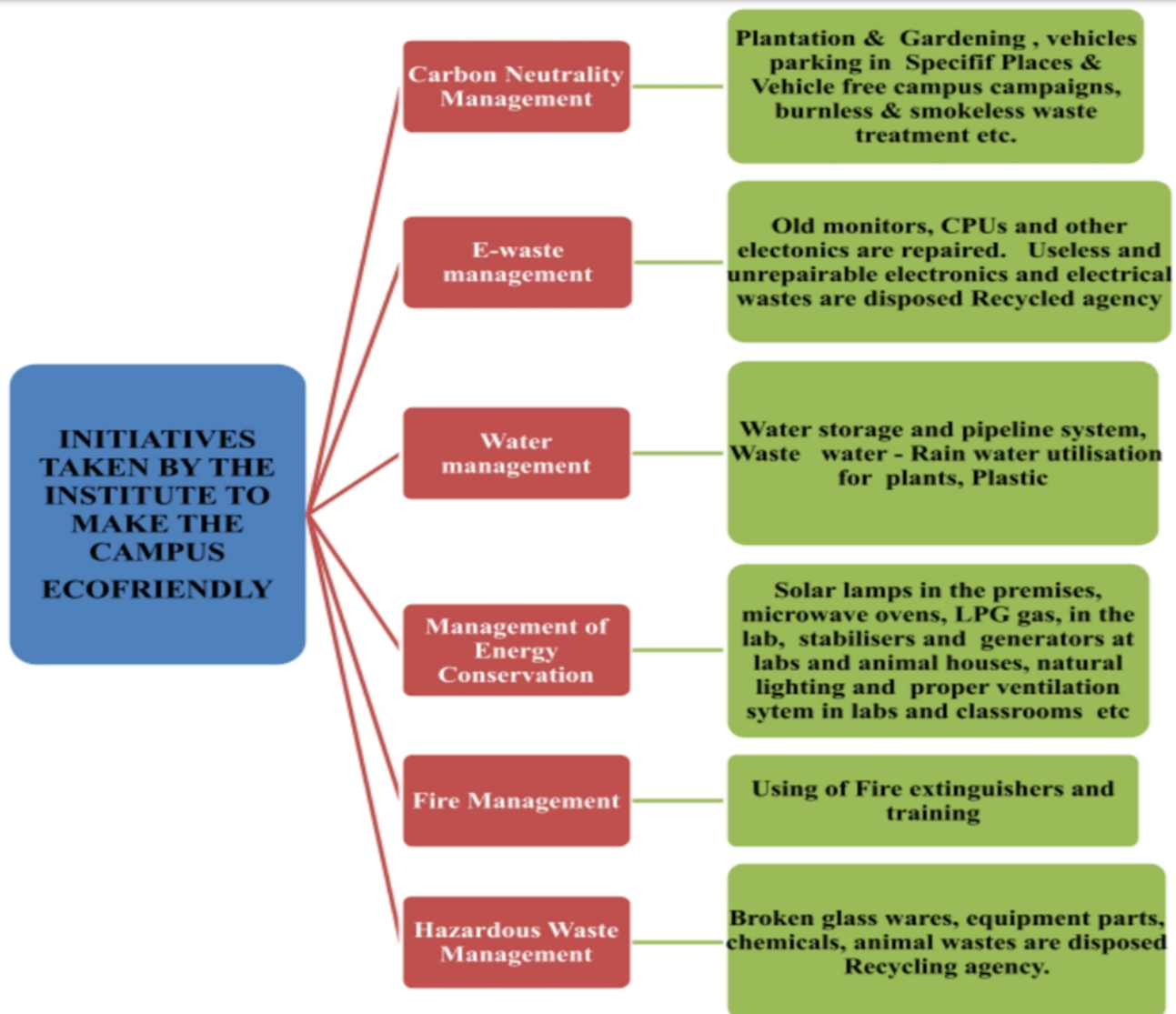
**Drip irrigation** – surface or subsurface. Each of these systems is described in more detail in the following sections. Many factors determine which is best for a particular field including soil type, field slope, field geometry, and water source (well capacity or surface water).

### **ENERGY CONSERVATION:**

**Water** - Conservation is a key element in College conservation efforts. Any leaks in restrooms, kitchens or dripping faucets should be immediately reported to the Department. Members of the campus community can also make a conscious effort to reduce water consumption by reducing the duration of taps and limiting the time faucets are allowed to run.

**Power Conservation** - The institution has taken care in reducing the power through the display of play cards, wall stickers in Class rooms, Laboratories, Library, Administrative Office, Faculty chambers, Departments, Carridors,etc., stating that save energy, save plants, while leaving switch of the lights, fans, reduce the paper usage, etc.,





## 5. CONCLUSION

### Additional Information :

- The institution is located on NH-5 and in between the two prominent cities Vijayawada and Guntur with the peaceful and pleasant environment and has the easy bus transportation facility to the College.
- It is located in 4.32 acres of spacious land which consists of multi-storied buildings with all facilities. The Institution is equipped with 15 classrooms among which 12 class rooms are enabled with ICT facilities, Hostel facility for the girls is provided within the premises with safety measures. Other infrastructure related facilities like RO processed water plant, Fire Extinguishers, Spacious parking, Canteen facilities, online webinars organized by institution e-repository data are made available in college YouTube channel.
- Institution has 18 separate spacious labs for all the departments, with 9 preparation rooms which consist of 1.5 Crore worth of equipment & qualified lab technicians. Big spacious auditorium with capacity of 600 students is provided to organize curricular and co-curricular and extracurricular activities
- Two computer labs with 80 computers accessing internet facilities to carry out the literature works, English communication lab, Placement drives.
- Digital Library consists of more than 9117 textbooks, 1646 titles, 16,469 e- journals are available from Knimbus Pvt limited. Library is well equipped with updated integrated Library Management software such as SOUL 3.0 version for issuing of books to the students and faculty, IBM Micromedix Database for drug information process.
- A Separate Animal House is provided as per CPCSEA norms to carry out animal studies for advanced research.
- The institution is collaborating with Mahindra pride(Nandi foundation) for carrying out Soft Skill training to enhance the communication skills, leadership skills, coordination skills and placements.
- Add-on courses are also offered to the students such as Pharmacovigilance, AICTE sponsored Short Term Training programmes, Medical coding, etc., to meet the industrial requirements.

### Concluding Remarks :

- Nirmala College of Pharmacy is established to serve mankind through imparting the student with the knowledge of Pharmaceutical sciences to become a responsible Pharmacist. The College is affiliated to Acharya Nagarjuna University, Guntur, Andhra Pradesh. The institution is approved under UGC 2f & 12b, Accredited by NAAC with B++ (2.85 CGP). The institution also placed in the 76-100 band in NIRF (National Institutional Ranking Framework) released by MHRD for the academic year 2017, 2018, 2020 and 2021 NIRF rankings. The institution also established AICTE-IIC (Institutional Innovation Council) at our Nirmala Block and conducted the programmes associated to IPR, Innovations, Start up's and Entrepreneurship.
- The mission statement clearly defines the role of the college in catering the needs of the society by providing quality education, technical and scientific skills which makes a person to become whole.
- All the courses in our college right from D. Pharm to Ph. D were governed with highly educational values, moral and ethical values to bring up the finest output of the students
- The alumni of the institution are one of the strengths since they are working in different organizations at different levels serving mankind.
- We have introduced a Research centre in the campus to carry out the Ph. D programme and to elevate

the research activities.

- The college is permanently affiliated with Acharya Nagarjuna University.
- Our college is consistently working to improve the research abilities of the students and staff by providing required facilities
- So far about 180 publications in UGC care /scopus/web of science listed journals were published by staff and students
- So far 28 patents were published by the faculty out of which one patent has been granted. So far 13 books/book chapters, 108 conference proceedings were published by our staff and students.
- 85 lakhs amount has been sanctioned to the College from various government agencies such as AICTE, DST, ICMR, TB Association of India, etc., for organizing workshops/ seminars/ FDP'S, for purchase of sophisticated equipment such as Attenuated Total Reflectance (ATR), Spectrofluorimeter.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
4.1.2	<p><b>Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)</b></p> <p><b>4.1.2.1. Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>4.93</td><td>5.41</td><td>9</td><td>23.4</td><td>7.99</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>4.93</td><td>5.41</td><td>9.0</td><td>23.4</td><td>7.99</td></tr></table> <p>Remark : DVV has converted the value into lakhs.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	4.93	5.41	9	23.4	7.99	2021-22	2020-21	2019-20	2018-19	2017-18	4.93	5.41	9.0	23.4	7.99
2021-22	2020-21	2019-20	2018-19	2017-18																	
4.93	5.41	9	23.4	7.99																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
4.93	5.41	9.0	23.4	7.99																	
4.4.1	<p><b>Percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years (INR in Lakhs)</b></p> <p><b>4.4.1.1. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>62.26</td><td>114.38</td><td>41.29</td><td>64.7</td><td>104.4</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr><tr><td>42.8</td><td>98.2</td><td>12.65</td><td>31.0</td><td>21.0</td></tr></table> <p>Remark : DVV has made the changes as per Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	62.26	114.38	41.29	64.7	104.4	2021-22	2020-21	2019-20	2018-19	2017-18	42.8	98.2	12.65	31.0	21.0
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2021-22	2020-21	2019-20	2018-19	2017-18																	
42.8	98.2	12.65	31.0	21.0																	
5.1.4	<p><b>The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases</b></p> <p>1. <b>Implementation of guidelines of statutory/regulatory bodies</b></p> <p>2. <b>Organisation wide awareness and undertakings on policies with zero tolerance</b></p> <p>3. <b>Mechanisms for submission of online/offline students’ grievances</b></p>																				

	<p><b>4. Timely redressal of the grievances through appropriate committees</b></p> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: C. Any 2 of the above          Remark : DVV has made the changes as per shared report by HEI.</p>
6.5.2	<p><b>Quality assurance initiatives of the institution include:</b></p> <ol style="list-style-type: none"> <li><b>1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements</b></li> <li><b>2. Collaborative quality initiatives with other institution(s)/ membership of international networks</b></li> <li><b>3. Participation in NIRF</b></li> <li><b>4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc</b></li> </ol> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: D. Any 1 of the above          Remark : DVV has made the changes as per shared report by HEI.</p>
7.1.3	<p><b>Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit / Environment audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Clean and green campus initiatives</b></li> <li><b>4. Beyond the campus environmental promotion activities</b></li> </ol> <p>Answer before DVV Verification : A. All of the above          Answer After DVV Verification: C. Any 2 of the above          Remark : DVV has made the changes as per shared report by HEI.</p>

## 2.Extended Profile Deviations

Extended Profile Deviations
No Deviations