



## **YEARLY STATUS REPORT - 2022-2023**

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	<b>NARAYANA ENGINEERING COLLEGE</b>
• Name of the Head of the institution	<b>G.Srinivasulu</b>
• Designation	<b>Principal</b>
• Does the institution function from its own campus?	<b>Yes</b>
• Phone No. of the Principal	<b>08612304044</b>
• Alternate phone No.	<b>08612303778</b>
• Mobile No. (Principal)	<b>9392901051</b>
• Registered e-mail ID (Principal)	<b>necnellore@necn.ac.in</b>
• Address	<b>NARAYANA AVENUE, MUTHUKUR ROAD, A K NAGARPOST, NELLORE, A.P.</b>
• City/Town	<b>Nellore</b>
• State/UT	<b>Andhra Pradesh</b>
• Pin Code	<b>524004</b>
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	<b>31/08/2020</b>
• Type of Institution	<b>Co-education</b>
• Location	<b>Urban</b>

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Padugupati Penchalaiah</b>				
• Phone No.	<b>9392901073</b>				
• Mobile No:	<b>9392901073</b>				
• IQAC e-mail ID	<b>iqac@necn.ac.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.necn.ac.in/IOAC/pdf/AQAR%202021-22%20Final%20Upload-Img.pdf">https://www.necn.ac.in/IOAC/pdf/AQAR%202021-22%20Final%20Upload-Img.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.necn.ac.in/academic-calender.php">https://www.necn.ac.in/academic-calender.php</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>A+</b>	<b>3.41</b>	<b>2019</b>	<b>14/06/2019</b>	<b>31/12/2025</b>
<b>6.Date of Establishment of IQAC</b>			<b>03/12/2015</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>NIL</b>	<b>NIL</b>	<b>NIL</b>	<b>Nil</b>	<b>0</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	<b>2</b>				
• Were the minutes of IQAC meeting(s) and	<b>Yes</b>				



compliance to the decisions taken uploaded on the institutional website?		
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	No	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<p>NBA Accreditation for CSE, ECE,EEE More NPTEL Certifications from Students and Faculty Members Organized faculty and student development programs as IQAC initiatives. Encourages to conduct more soft skill programmes and personality development programmes for students. Improved Teaching and learning Practices and Student Pass Percentage.</p>		
<b>12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>		

Plan of Action	Achievements/Outcomes
NBA accreditation	Conferment of NBA accreditation for CSE, ECE and EEE branches
Integration of NPTEL into the course Structure	Got 227 NPTEL Certification to the Institution
Feedback on Curriculum	Feedback on Curriculum from stakeholders collected, analyzed and action taken for 2022-23
Feedback on Teaching Learning	It is identified that the attributes of TLP of teachers are gradually improved
Feedback on Facilities	Data collected, analyzed and submitted proposed actions
Conducting Student Satisfactory Survey	Student Satisfactory Survey data collected and the report was submitted to Head of the institution
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	
Name of the statutory body	Date of meeting(s)
Governing Body	23/12/2023
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	
Year	Date of Submission
2023	16/03/2024
<b>15. Multidisciplinary / interdisciplinary</b>	
The institution believes in the efficacy of interdisciplinary approach to enhance the academic experience of the learners which is	

accomplished by integrating humanities, sciences along with technical subjects. NECN has a holistic multidisciplinary curriculum with a vision to equip the students with an overall knowledge on allied fields apart from their core subjects. Humanities, Science and Mathematics are an integral part of the engineering courses in the Institute. For every B.Tech Programme the courses like Physics, Chemistry, Mathematics, English, Biology and Environmental Science are taught in their eight semesters. Projects on community service and social relevance are undertaken by students in the end of second and third year. As a part of curriculum internships should be done by every student yearly. The completion of the projects and internships has credits. The areas of interdisciplinary approach include: Open Course: UG departments offer open elective courses which are open to students of any discipline. Hence, students have the liberty to choose and integrate other discipline subjects, there by going interdisciplinary. Student Projects: In the Semester-VIII of UG and Semester-IV of PG students undertake projects which are interdisciplinary in nature and are reflected in the Department. Add-on Courses: Value added course should be done by students every semester to get credits allotted in the curriculum from third semester onwards. Course structure has a good amount of add-on courses and Mandatory courses which are interdisciplinary in nature to enhance the extensive and comprehensive outlook of the students. Moreover, this course offers job opportunities to students.

#### **16.Academic bank of credits (ABC):**

The institution has registered under the ABC to permit its learners to avail the benefit of multiple entries and exit during the chosen programme. To fulfill the requirement of Academic bank of credits as proposed in NEP 2020, all the students are encouraged to register in the ABC portal and get an ABC/ APAAR id. The concept of National Academic Depository which is a government endeavor to offer an online repository for all academic awards NECN is interested in this concept under the Digital India Programme. NECN has registered in NAD and is in the process of upload students' mark sheets and provisional certificates through the nad.digitallocker.gov.in platform. The National Academic Bank of Credits (ABC) portal has now been integrated into the nad.digitallocker.gov.in platform and is currently live for autonomous colleges from the academic year 2021. NECN follows choice-based credit system for all of its programmes and is now in the process to pass a resolution related to the ABC in the Academic Council. NECN will formally register in the ABC portal after the resolution gets approved by the higher academic bodies.

#### **17.Skill development:**

The institution's skill development efforts resonate with that of National Skill Development Corporation evident through its enrichment of curriculum, electives, add-on courses etc. The Institute organizes various model-making and exhibitions, Paper presentation, Poster Presentation & Technical Quiz (National Level Technical Symposium), workshops, and live projects with industry collaboration for the students on a regular basis. External industrial experts (Adjunct Faculty) guide the students to do industry oriented projects and partial delivery of the courses by academic experts. The career competency development (CCD) course is an integral part of curriculum with credits in every semester. Besides English Learning and Teaching Skills, student association activities are organized by the Institute where student participation is witnessed in large numbers every year. Different social programs are organized in collaboration with Human Values & Profession Ethics cell and various NSS activities are organized by student chapters to imbibe the holistic human values needed for the overall character development of an individual. Yoga class is organized for all students to assimilate the values needed to live a peaceful life. Hobby Clubs (7 Different Clubs) were introduced to encourage the student's skills for their overall development. Activity Point Program (APP) is mandatory for all students where they have to score a minimum credit points to get their final degree. To attain APP points, students should participate in different curricular and extra-curricular activities inside and outside of the institution.

**18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)**

In line with the mandates of NEP, Indian language and culture are integrated into the activities like: • The institute honors Indian languages and cultures by celebrating Hindi Divas • Celebrating Independence Day & Republic Day in the campus every year (Even in pandemic) • Celebrating World Heritage day (April 18th) • Celebrating the birth Anniversaries of great personalities of India • Celebrating the festivals Sankranti, Ugadi, Dusserah, Deewali, Ramadan and New Year every year in a grand manner. Competitions such as essay writing, poetry, speech competition, Rangoli, mehendi, cooking, folk song, folk dance, singing, arts & crafts, photography and skit encourage the students to stay connected with their rich Indian culture and heritage. These celebrations related to Indian Culture, facilitating students' deep bonding with Indian knowledge system. NECN used to publish its academic calendar at the beginning of each semester for UG and PG programs, which describes events in local language like Telugu and Urdu. In order to inform the students



about the benefits of yoga for mental and spiritual wellness, NECN used to observe world yoga day on June 21 every year. Further, the subject Indian Constitution is listed as a Mandatory Course in the curriculum itself by NECN.

#### **19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**

The institution is focused on a student-oriented educational approach for implementing outcome-based education. Programme, Programme specific and Course outcomes are charted and regularly communicated to students to align it with the teaching-learning process. Moreover, outcome attainment analysis is doing since 2015. Based on the attainment analysis, corrective measures are taken to effectuate the reach of outcomes. IQAC organized multiple programmes on OBE. All the faculties of the college were trained in OBE. Based on the training, all courses were designed under OBE paradigm with Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) specified. The student induction programme includes an orientation to the concept of outcome-based education as well as an explanation of the POs for the students. Program Outcomes (PO), Program Specific Outcomes (PSO), and Course Outcomes (CO) are clearly stated in the curriculum, and teaching-learning pedagogy adopted at the institute ensures OBE is implemented. Before the start of each semester, each professor describes the POs', PSOs', COs' and objectives. A notable initiative was the creation of a question bank based on Bloom's taxonomy, which was introduced together with the integration of OBE in Question Bank. Outcome attainment is analyzed. Based on the attainment analysis, corrective measures are taken to effectuate the reach of outcomes.

#### **20.Distance education/online education:**

Online education has become the new normal for the institution as it incorporates online mode of teaching with the regular teaching process. Online platforms like Zoom, Google Meet, Google Classroom, etc. are utilized for curriculum delivery and assessment. Add-on courses and certificate courses are also interspersed with online teaching. Some of the training programmes organized for the faculty via online mode. Webinars and workshops are also organized for staff and students to facilitate distance education. Institution made compulsory to do Professional Core or Professional Elective or Open Elective courses in on-line mode i.e., NPTEL-SWAYAM or MOOCS as a part of curriculum in every semester from 3rd year.

### **Extended Profile**

#### **1.Programme**

1.1	10
Number of programmes offered during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>2.Student</b>	
2.1	2433
Total number of students during the year:	
File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>
2.2	593
Number of outgoing / final year students during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.3	593
Number of students who appeared for the examinations conducted by the institution during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
<b>3.Academic</b>	
3.1	728
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	177
Number of full-time teachers during the year:	

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	177
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	906
4.2 Total number of Classrooms and Seminar halls	49
4.3 Total number of computers on campus for academic purposes	668
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	560.73229

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curricula developed at Narayana Engineering College reflect local, national, and global developmental needs by aligning with well-defined Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs). The design and implementation are overseen by the Board of Studies and Academic Council, ensuring alignment with UGC, AICTE, JNTUA, and APSCHE guidelines.

Outcome-Based Education (OBE) is rigorously applied, with curriculum structure, course categories, and electives carefully designed to enhance academic quality. Each course's COs are systematically mapped to relevant POs and PSOs, following Bloom's taxonomy for



practical's, seminars, and project work.

This methodology ensures that graduates meet all 12 POs, equipping them with essential skills for the global workforce. The institution has also defined 3-5 Program Educational Objectives (PEOs) for each program, evaluated through alumni performance, ensuring continuous relevance and impact of the curriculum.

This holistic and structured approach meets diverse developmental needs, ensuring that graduates contribute effectively to society at local, national, and global levels.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.necn.ac.in/Autonomous-syllabus.php">https://www.necn.ac.in/Autonomous-syllabus.php</a>

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

728

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

246

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

10

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

**The institution makes continuous efforts to integrate cross-cutting issues such as Professional Ethics, Gender, Human Values, and**

Environmental Sustainability into the curriculum across all undergraduate programs. Key subjects like Gender Sensitization, Universal Human Values, Professional Ethics in Engineering, and Environmental Sciences are incorporated to ensure students develop both professional and social competencies.

The Gender Sensitization course addresses critical issues like gender inequality, the declining sex ratio, sexual harassment, and domestic violence, fostering awareness and sensitivity among students. Universal Human Values installs ethical and moral perspectives, ensuring students are well-equipped to handle societal challenges.

Environmental Sciences is included in the first-year curriculum, with a focus on natural resources, ecosystems, biodiversity conservation, environmental pollution, and waste management. The curriculum emphasizes hands-on learning through field visits and assignments, allowing students to engage with real-world environmental challenges and encouraging them to actively participate in sustainability efforts.

These courses collectively aim to build a well-rounded student body that is aware of pressing global issues and equipped to act ethically and responsibly. The institution's commitment to integrating these cross-cutting issues ensures holistic development and prepares graduates to contribute positively to society and the environment.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

20

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2167

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1565

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**      **A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.necn.ac.in/AQAR/2022-23/critertion-i/Feedback-System/1.4.1-Report2022-23.pdf">https://www.necn.ac.in/AQAR/2022-23/critertion-i/Feedback-System/1.4.1-Report2022-23.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.necn.ac.in/AQAR/2022-23/critertion-i/Feedback-System/1.4.1-Report2022-23.pdf">https://www.necn.ac.in/AQAR/2022-23/critertion-i/Feedback-System/1.4.1-Report2022-23.pdf</a>
Any additional information	<a href="#">View File</a>

### TEACHING-LEARNING AND EVALUATION

#### 2.1 - Student Enrollment and Profile

##### 2.1.1 - Enrolment of Students

##### 2.1.1.1 - Number of students admitted (year-wise) during the year

727

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

##### 2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)

472

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

#### 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The institution assesses students' learning levels through a systematic process at the beginning of each program. Intermediate marks are considered to classify students as slow or advanced learners. A pre-defined assessment procedure is used to evaluate their capabilities, allowing for tailored support to enhance

learning outcomes.

For slow learners, the institution offers bridge courses to help first-year student's transition smoothly from intermediate to engineering. Additional activities include extra classes in challenging subjects, providing question banks with solutions, and organizing remedial classes after mid-examinations. Slow learners receive personalized counselling and academic guidance to improve performance, along with self-learning sessions to encourage independent study.

For advanced learners, the institution organizes special programs to deepen their knowledge, such as advanced training in C programming. They are also provided with personality development classes to enhance their soft skills. Extra resources, including additional books from the library and access to NPTEL videos and e-books, are offered to promote self-directed learning and intellectual growth.

Through these efforts, the institution ensures that both slow and advanced learners receive the necessary support, fostering an inclusive learning environment that encourages academic excellence and personal development for all students

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterti-on-ii/Catering-to-Student-Diversity/2.2.1-Link.pdf">https://www.necn.ac.in/AQAR/2022-23/criterti-on-ii/Catering-to-Student-Diversity/2.2.1-Link.pdf</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2433	177

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## 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:



At Narayana Engineering College (NEC), a robust student-centric approach is integral to the teaching-learning process, significantly enhancing learning experiences through various innovative methods.

#### Experiential Learning

NEC prioritizes experiential learning by incorporating practical experiences into the curriculum. Students engage in lab experiments, participate in industrial visits and field trips, and undertake internships that provide real-world insights. Project exhibitions further allow students to showcase their practical skills and innovation.

#### Participative Learning

To foster active engagement, NEC employs active learning methods, where students participate in discussions, group activities, and peer teaching. The college also encourages involvement in conferences and symposia, enhancing knowledge exchange and networking opportunities. Student clubs promote collaborative learning and personal development, allowing students to explore their interests outside the classroom.

#### Problem-Solving Methodologies

The institution employs problem-solving methodologies that challenge students to think critically and develop solutions to real-life problems. This includes case studies, simulations, and project-based learning, which not only enhance analytical skills but also prepare students for industry challenges.

Through these diverse methodologies, NEC effectively cultivates a dynamic learning environment that empowers students, aligns with contemporary educational practices, and prepares graduates for success in their respective fields.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterti-on-ii/Teaching-Learning-Process/2.3.1-Link.pdf">https://www.necn.ac.in/AQAR/2022-23/criterti-on-ii/Teaching-Learning-Process/2.3.1-Link.pdf</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The institution promotes the extensive use of ICT-enabled tools and online resources to enhance the teaching-learning process.

Classrooms, seminar halls, labs, and auditoriums are equipped with ICT facilities such as LCD projectors, computers with internet access, and smart boards. Faculty members leverage these tools to adopt innovative teaching methods that improve learning outcomes.

Faculty use a range of ICT resources including working models, charts, PowerPoint presentations (PPTs), videos, and animations to explain complex concepts. Additionally, they upload lecture notes, PPTs, assignments, and tutorials to the Learning Management System (LMS), ensuring that students have easy access to learning materials. The institution subscribes to online resources like IEEE, Digital Library, and DELNET, providing both faculty and students with access to the latest academic research.

Faculty members also integrate NPTEL videos into their lessons, and the institution encourages participation in MOOCs for continuous learning. A dedicated media center is established to create e-content, while the digital library offers a range of e-resources, including e-books, e-journals, and OPAC for library catalog searches.

These initiatives ensure that ICT tools are effectively utilized, creating a dynamic and technology-driven teaching environment that caters to the diverse learning needs of students

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="http://103.170.109.22/moodle/">http://103.170.109.22/moodle/</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

159

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

#### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Since the conferment of autonomy in 2020, students admitted from the 2020-21 onwards follow the institution's autonomous regulations, while those from previous batches continue to adhere to JNTUA's affiliated guidelines. The institution strictly follows the Academic Calendar issued by JNTUA for these students, which includes details like instructional periods, mid-exam schedules, practical sessions, and end-semester exams.

At the beginning of each semester, the Principal convenes the College Academic Committee (CAC) to align the Institutional Academic Calendar with the university's calendar for non-autonomous students and prepares a separate calendar for autonomous students. The Institutional Academic Calendar, prepared by IQAC, along with Departmental Academic Calendars, outlines key curricular, co-curricular, and extracurricular activities for all students.

The institution adheres to these academic calendars in conducting internal assessments such as theory exams, lab practicals, career development programs, technical seminars, projects, and

comprehensive online exams. Faculty members develop detailed teaching plans to ensure timely completion of the syllabus, allowing students to progress academically in a structured and organized manner.

This system ensures that all academic activities are conducted efficiently, aligning with the needs of both autonomous and affiliated students

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

177

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

38

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

933

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

5

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The institution has introduced IT-enabled reforms in its Examination Management System (EMS), significantly enhancing reliability, efficiency, and transparency. Automation of the examination process has ensured accuracy at every stage, from question paper generation to result declaration.

#### Key Reforms and Impacts:

**Multiple sets of question papers:** Four sets of question papers are maintained for each course, ensuring confidentiality in the selection process. This system, along with moderation and internal choices, guarantees comprehensive syllabus coverage, requiring students to study all modules in a course.

**Standardized evaluation:** Detailed schemes of evaluation are prepared by internal subject experts to ensure uniformity and consistency among evaluators, resulting in fair and balanced assessment practices.

**CCTV surveillance:** The establishment of CCTV monitoring in the examination section ensures continuous oversight, preventing unauthorized access and safeguarding the confidentiality of answer booklets.

**Encoding and decoding of answer booklets:** This system provides confidentiality and ensures unbiased evaluation, enhancing the integrity of the examination process.

**Automation of EMS:** Automation has improved the reliability, security, and accuracy of the examination process, ensuring transparency and maintaining the confidentiality of sensitive data.

These reforms collectively enhance the institution's ability to manage examinations with greater precision, ensuring a fair, secure, and efficient system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://115.241.194.4/Nnote/index.html">http://115.241.194.4/Nnote/index.html</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

In adherence to the objectives of Outcome-Based Education (OBE), the institution ensures that Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are clearly defined and communicated to both students and faculty. These outcomes are developed by the respective departments and are widely disseminated through various platforms, ensuring that all stakeholders are aware of them.



**Methods of Communication:**

**Website:** POs, PSOs, and COs are prominently displayed on the college website ([www.necn.ac.in](http://www.necn.ac.in)) under the respective departmental sections.

**Curriculum and Regulations Books:** POs, PSOs, and COs are included in the official curriculum documents provided to students.

**Classrooms and Department Notice Boards:** These outcomes are displayed in classrooms and department notice boards to ensure easy access.

**Laboratories and Library:** Relevant outcomes are also posted in laboratories and the library.

**Student Induction Programs:** Awareness of POs, PSOs, and COs is highlighted during student inductions.

**Meetings and Faculty Interactions:**

Department Heads (HODs), faculty members, mentors, and course coordinators actively communicate and emphasize the importance of achieving these outcomes in meetings and one-on-one student interactions.

Program Outcomes outline the professional skills to be acquired, while Course Outcomes (COs) are developed by course coordinators with input from faculty members. This structured approach ensures that students are well-informed and aligned with the learning goals of their respective programs.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://www.necn.ac.in/Autonomous-syllabus.php">https://www.necn.ac.in/Autonomous-syllabus.php</a>

**2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution**

The institution evaluates the attainment of Program Outcomes (POs) and Course Outcomes (COs) through a combination of direct and indirect assessment tools. This structured approach ensures that the

learning outcomes of students align with the program objectives.

1. **Direct Assessment Tools:** The direct assessment primarily relies on student performance in internal and university examinations. The students' performance across various assessments, including internal exams and university exams, contributes to the attainment of COs. These COs are mapped to the POs and PSOs to evaluate their achievement. Direct assessment accounts for 80% weightage in the overall attainment of POs and PSOs. The formula for calculating PO attainment is:

Course-PO-AttainmentLevel=

$\{ \sum (CO-PO) / 3 \times COAttainmentLevel \} / TotalNo.ofCOsMapped$

2. **Indirect Assessment Tools:** To complement direct assessments, the institution employs indirect assessment tools:

- Graduate Exit Survey (10% weightage)
- Alumni Survey (5% weightage)
- Employer Survey (5% weightage)

Surveys are analyzed by calculating a weighted average using the formula:

$(NumberofHighs \times 3 + NumberofModerates \times 2 + NumberofLows \times 1) / TotalNumberofStudents$

This comprehensive process ensures that the attainment of POs and PSOs is measured accurately, using both objective and subjective methods.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/Autonomous/index.php">https://www.necn.ac.in/Autonomous/index.php</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

542



File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.necn.ac.in/AQAR/2022-23/critertion-ii/Student-Performance-and-Learning-Outcomes/2.6.3.pdf">https://www.necn.ac.in/AQAR/2022-23/critertion-ii/Student-Performance-and-Learning-Outcomes/2.6.3.pdf</a>

## 2.7 - Student Satisfaction Survey

**2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink**

<https://www.necn.ac.in/AQAR/2022-23/critertion-ii/Student-Satisfaction-Survey/2.7.1-SSS.pdf>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institution has a comprehensive and well-structured policy in place to promote and incentivize research, which is available on the institutional website. Research is actively encouraged at the department level through undergraduate projects and internships, fostering a research culture early on. The institution's Research Committee, comprising the Principal, R&D Coordinator, HODs, and subject experts, ensures the smooth execution of research activities while addressing ethical considerations.

The Research and Development (R&D) Cell was established with state-of-the-art software and computing facilities to support research initiatives. Faculty and students can submit research proposals, which are scrutinized by the committee, and promising proposals are awarded seed funding to kick-start their projects.

The institute's library is well-equipped with high-quality journals, e-journals, and e-books from various disciplines, providing an excellent platform for research. Faculty members are encouraged to participate in national and international seminars, conferences, and

workshops, with the institution covering registration fees, travel, and accommodation costs.

Furthermore, faculty are incentivized for peer-reviewed publications, writing books, and filing patents, and the institution supports the patent filing process, ensuring adherence to the Research Policy. This framework strengthens the research capabilities of the institution and promotes a culture of innovation.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.necn.ac.in/Research-Policy.php">https://www.necn.ac.in/Research-Policy.php</a>
Any additional information	<b>No File Uploaded</b>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

**3.68000**

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

**0**

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

26.11170

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://dbt.icmr.org.in">https://dbt.icmr.org.in</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

4

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

1

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://dbt.icmr.org.in">https://dbt.icmr.org.in</a>
Any additional information	No File Uploaded

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Narayana Engineering College (NECN), Nellore, has developed a comprehensive ecosystem for fostering innovation, research, and entrepreneurship through its dedicated centers. These centers include:

Research and Development Cell

Entrepreneurship and Development Cell

National Service Scheme (NSS)

Innovation Incubation Cell (IIC)

Industry and Institution Interaction Cell (IIIC)

Intellectual Property Rights (IPR) Cell

Center for Extension Activities

These cells collectively create an environment conducive to

innovation and entrepreneurship. To promote a culture of innovation, the institution organizes awareness programs, technical symposiums, management meets, workshops, seminars, and guest lectures on entrepreneurship, research methodologies, and intellectual property rights (IPR).

Entrepreneurs and industry experts are regularly invited to inspire students and provide practical insights. The institution has established a Code of Ethics to ensure quality and integrity in research practices. Students and faculty are actively encouraged to engage in community-oriented activities through extension programs such as environmental awareness, blood donation drives, and outreach initiatives under NSS.

Students have access to facilities to develop prototypes, and project expos are regularly organized to showcase socio-relevant models. The best models are awarded cash prizes, encouraging hands-on learning and enhancing industry exposure. This vibrant innovation ecosystem ensures that students are well-prepared for real-world challenge

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/r-d-office.php">https://www.necn.ac.in/r-d-office.php</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

3

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in B. Any 3 of the above

the website through the following: Research  
Advisory Committee Ethics Committee  
Inclusion of Research Ethics in the research  
methodology course work Plagiarism check  
through authenticated software

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

3

File Description	Documents
URL to the research page on HEI website	<a href="https://www.jntua.ac.in/category/research-and-development/">https://www.jntua.ac.in/category/research-and-development/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

92

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**



75

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AOAR/2022-23/critertion-iii/Research-Publications-and-Awards/3.4.4.pdf">https://www.necn.ac.in/AOAR/2022-23/critertion-iii/Research-Publications-and-Awards/3.4.4.pdf</a>

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

12

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

1

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

1.52000



File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

55000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The Narayana Engineering College (NEC), Nellore, has actively integrated extension activities into its academic framework to promote holistic student development. The institution encourages students to engage in social issues through various community outreach programs, which sensitize them towards responsible citizenship and moral values. These activities are organized through the NSS (National Service Scheme), Cultural Cells, and other community-oriented initiatives, forming a structured approach to social engagement.

Some of the key activities include participation in "Swachh Bharat"

campaigns, environmental awareness initiatives like tree plantation drives, and blood donation camps in collaboration with organizations like Red Cross and local hospitals. Additionally, the college organizes rallies and awareness programs on issues such as the dangers of firecrackers and promoting eco-friendly celebrations, as seen in the Anti-Cracker Rally before Diwali.

To further support these efforts, NEC has built-in Activity Point Programs in its course structure, encouraging students to actively participate in these social initiatives. Students are awarded points for involvement, which contributes to their academic profile, promoting both academic and extracurricular engagement. These activities not only foster a sense of national integration but also build student leadership, environmental stewardship, and community responsibility.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterti-on-iii/Extension-Activities/3.6.3-CLR.pdf">https://www.necn.ac.in/AQAR/2022-23/criterti-on-iii/Extension-Activities/3.6.3-CLR.pdf</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

14

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

24

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1761

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7 - Collaboration

#### 3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

124

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

26

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The institution boasts a robust infrastructure and a variety of physical facilities that support a dynamic teaching-learning environment. Every classroom is equipped with projectors and ICT-enabled tools like smart boards, along with Learning Management Systems (LMS) to facilitate modern educational methods. The entire campus is Wi-Fi enabled with a high-speed 100 Mbps internet connection. A centralized library, along with departmental libraries, offers rich resources in both print and online formats. Additionally, the air-conditioned auditorium can accommodate over 500 attendees, fully equipped with advanced audio-visual systems.

The college also has a state-of-the-art gym with separate timings for men and women, led by qualified instructors. Potable water is supplied daily, ensuring a clean and hygienic environment, with a capacity of 10,000 liters per day. The spacious canteen caters to over 400 students, offering separate dining areas for boys and girls. Other essential infrastructure includes fire safety systems, a grid-connected solar power system, ample parking space, a well-equipped sports complex, and a reliable electrical backup system to ensure uninterrupted academic activities.

This comprehensive infrastructure is designed to foster a conducive environment for learning, research, and overall student well-being

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/facilites.php">https://www.necn.ac.in/facilites.php</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institution fosters comprehensive student development by providing state-of-the-art facilities for cultural, sports, and wellness activities. Cultural events are hosted in the seminar halls, auditorium, and open-air theatre, creating spaces for vibrant participation.

**Sports and Games:**

With a qualified physical director, students receive personalized

training in various indoor and outdoor games. The indoor sports room is equipped for table tennis, chess, and caroms, while outdoor spaces support larger-scale activities.

#### Yoga Centre:

A dedicated yoga and meditation centre is available, promoting physical and mental well-being. Regular sessions encourage students and faculty to practice mindfulness.

#### Gymnasium:

The gymnasium features advanced equipment, including treadmills, cycles, abdominal benches, and weight stations, ensuring access to fitness resources.

#### Cultural Activities:

The auditorium and seminar halls are equipped with modern audio-visual setups for cultural events like Freshers' Day, Annual Day, and Farewell Day. These platforms encourage students to participate in creative and artistic expressions throughout the academic year.

Additionally, the campus has integrated the Activity Point Program (APP), ensuring students actively engage in various cultural and sports activities, enhancing their overall learning experience and personal growth.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/hobby-club.php">https://www.necn.ac.in/hobby-club.php</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

49



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

**117.50436**

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The library at Narayana Engineering College has embraced modern technology through the implementation of an Integrated Library Management System (ILMS), enhancing its operational efficiency and user experience. Our ILMS, named Library Management System Software (LMS) version 2.0, was developed in-house and fully automated since 2007. This software streamlines all in-house library operations, incorporating a barcode scanner for efficient transaction management.

The ILMS features various functional modules, including:

**Cataloging:** Allows users to access bibliographic data and perform primary searches.

**Circulation:** Facilitates material transactions, member registration, fine transactions, and SMS alerts for overdue items.

**Reporting:** Generates comprehensive reports on material searches, member activities, and transactions.

**Web OPAC:** Offers an Online Public Access Catalogue, enabling users

to search for books, journals, and new arrivals conveniently.

Additionally, the library subscribes to multiple journals and magazines, providing a wealth of resources, both physical and digital. Students and faculty can easily access e-journals and numerous e-books through the N-List Program, enhancing their research capabilities.

The library's commitment to continuous improvement and user education ensures that both students and faculty can effectively utilize these resources for their academic success?

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/LIBRARY/index.php">https://www.necn.ac.in/LIBRARY/index.php</a>

**4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

**8.43459**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)****4.2.4.1 - Number of teachers and students using the library per day during the year**

196

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**4.3 - IT Infrastructure**

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Narayana Engineering College has established a comprehensive IT policy that governs the management and usage of its IT facilities, encompassing Wi-Fi, cyber security, and other essential technologies. This policy outlines the procedures for utilizing these resources effectively while ensuring that students and staff have access to a secure and efficient technological environment.

The institution allocates a significant budget for the regular maintenance, upgrading, and expansion of its IT facilities. These facilities include state-of-the-art computing systems, extensive Wi-Fi coverage, cyber-security measures, intranet and internet services, and various software tools. The IT infrastructure supports multiple systems, such as campus management software, library information systems, learning management systems (LMS), and online assessment tools.

The college's commitment to enhancing its IT capabilities promotes both vertical and horizontal mobility in teaching and research methodologies. Regular updates ensure that students have access to the latest technologies, facilitating their project work and seminar preparations. The campus is fully networked, allowing seamless connectivity for email, internet browsing, and the downloading of web-based applications.

Additionally, the institution boasts sophisticated computer labs equipped with advanced servers and software, fostering an interactive learning environment. All labs are connected to the Local Area Network (LAN) and have internet access, ensuring that students benefit from a well-rounded educational experience about the IT facilities and policies.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/facilites.php">https://www.necn.ac.in/facilites.php</a>

**4.3.2 - Student - Computer ratio**

Number of Students	Number of Computers
<b>2433</b>	<b>668</b>

File Description	Documents
Upload any additional information	<a href="#">View File</a>

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus****A. 50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development:  
Facilities available for e-content development  
Media Centre  
Audio-Visual Centre  
Lecture Capturing System (LCS)  
Mixing equipments and software for editing****A. All four of the above**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AQAR/2020-21/critertion-iv/IT-Infrastructure/Media%20Center-1.mp4">https://www.necn.ac.in/AQAR/2020-21/critertion-iv/IT-Infrastructure/Media%20Center-1.mp4</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

159.99402

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

At Narayana Engineering College, the maintenance and utilization of physical, academic, and support facilities are meticulously managed through well-defined systems and procedures to ensure an optimal learning environment. Each department assigns dedicated in-charges who actively monitor and maintain their respective areas.

The Administrative Officer (AO) supervises civil maintenance, overseeing divisions like water supply, sewage, carpentry, and gardening to ensure that campus infrastructure remains functional and secure. The Civil Engineering department contributes to maintaining compliance with safety and quality standards for infrastructure. Additionally, the Mechanical Engineering department manages machinery and tools, with trained technicians ensuring proper equipment maintenance during practical sessions.

In laboratories, designated Lab In-Charges, under the direction of the Head of Department (HOD), manage equipment maintenance. The Computer Science department's system administrator is responsible for maintaining computers and software, while electrical maintenance is handled by the EEE department's HOD.

The Library is managed by the Librarian, with the Library Management System (LMS) ensuring smooth operations. Physical education facilities are overseen by the Physical Director, and the health center is managed by a qualified medical officer, assisted by a nurse and a pharmacist. Lastly, the AO and a team of security guards ensure the campus remains secure.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/pdf/Maintenance%20Manual%20(1).pdf">https://www.necn.ac.in/pdf/Maintenance%20Manual%20(1).pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1169

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

601

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities**  
**Soft Skills**  
**Language and Communication Skills**  
**Life Skills (Yoga, Physical fitness, Health and Hygiene)**  
**Awareness of Trends in Technology**

**A. All of the above**

File Description	Documents
Link to Institutional website	<a href="https://www.necn.ac.in/pdf/NECR-B.TECH-R21-REGULATIONS-NECG-3-3-23-A5.pdf">https://www.necn.ac.in/pdf/NECR-B.TECH-R21-REGULATIONS-NECG-3-3-23-A5.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2034

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

513

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

13

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 5.3 - Student Participation and Activities

**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

32

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

At Narayana Engineering College, the Student Council serves as a vital component of student engagement, fostering an active academic atmosphere. Comprising academically accomplished students and faculty, it includes representatives from both undergraduate and postgraduate programs. This diversity empowers students to partake in decision-making across various academic and administrative committees.

The Student Council plays a crucial role in organizing a wide range of curricular, co-curricular, and extracurricular activities with faculty support. Students are encouraged to connect with professional societies such as IEEE, ISTE, and CSI, enhancing their educational experience. They also actively participate in technical clubs, including:

**Robotics Club:** Encourages innovation through hands-on robotics projects.

**Coding Club:** Develops programming skills and hosts hackathons.

**Faraday Club:** Explores electrical engineering through practical experiments.

**Circuit Club:** Facilitates exploration of circuit design and electronics.

Additionally, student representatives engage in various institutional committees, such as:

Class and Course Committees

Internal Quality Assurance Cell (IQAC)

Department Student Association Committees

Women's Forum

Internal Complaint Committee

National Service Scheme (NSS) and Community Engagement Activities (CEA)

Professional Chapter Committees

Industry-Institute Interaction Cell

Library Committee

Anti-Ragging Committee

Canteen Committee

Placement Cell

Human Values and Ethics Cell

Sports Committee

Innovation and Incubation Cell

Transportation Committee

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/department-association.php">https://www.necn.ac.in/department-association.php</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

40



File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Narayana Engineering College Alumni Association (NECAA), established on December 18, 2007, under the Society Registration Act, plays a pivotal role in the institution's development. With registration No. 461/2007, the NECAA is structured with key roles including a President, Vice-President, Secretary, Joint Secretary, and Treasurer. An Alumni In-charge is designated to oversee and coordinate various alumni activities.

The association significantly contributes to the college through several avenues:

**Industry Insights:** Alumni provide valuable information about current job market trends, placement scenarios, and industry expectations, aiding the institution in aligning its curriculum with real-world demands.

**Guest Lectures:** Alumni frequently return to share their expertise, offering guest lectures and serving as resource persons for workshops and seminars on the latest technological advancements.

**Curricular Feedback:** Periodic feedback from alumni helps identify curricular gaps and informs necessary updates to ensure relevance to the industry.

**Industrial Visits:** Alumni facilitate industrial visits for current students, enhancing practical learning experiences.

**Event Sponsorship:** They contribute financially by sponsoring various events organized by the college each year.

**Competitions:** Alumni members often participate as judges in both technical and non-technical competitions, supporting student engagement and skill development. Through these contributions, the

**NECAA fosters a strong connection between graduates and the institution, enhancing educational quality and community support.**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/alumni-office.php">https://www.necn.ac.in/alumni-office.php</a>

#### **5.4.2 - Alumni's financial contribution during the year D. 2 Lakhs - 5 Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

#### **6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governance of Narayana Engineering College exemplifies effective leadership aligned with the institution's vision and mission. An empowered team, including the Principal, committee conveners, teaching and non-teaching staff, student representatives, alumni, and stakeholders, collaborates to ensure administrative and academic excellence.

The Principal oversees the implementation of policies and action plans, fostering a conducive environment for learning. Various committees—such as the Internal Quality Assurance Cell (IQAC), Examination Cell, Career Counseling Cell, NSS, Library Committee, Sports Committee, Cultural and Literary Committee, Internal Examination Committee, Anti-Ragging Committee, College Magazine Committee, Disciplinary Committee, Grievance Redressal Committee, and R&D Cell—are established to drive the institution's objectives.

Regular meetings with Heads of Departments (HoDs) facilitate continuous monitoring of academic performance, while monthly reviews of lecture diaries ensure teaching quality. CCTV surveillance enhances campus security and monitors classroom activities.

Furthermore, the Principal, along with the finance committee, manages funds from various grants, supporting infrastructure

maintenance and overall institutional development. This structured governance model not only reflects a commitment to quality education but also promotes a culture of accountability and continuous improvement.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.necn.ac.in/pdf/AICTE-MANDATORY%20DISCLOSURE-22-23-19-4-23.pdf">https://www.necn.ac.in/pdf/AICTE-MANDATORY%20DISCLOSURE-22-23-19-4-23.pdf</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Effective leadership at Narayana Engineering College is exemplified through decentralized and participative management practices. The institution fosters a democratic environment by promoting operational transparency and empowering faculty and students to engage in governance.

The Governing Body has adopted a participative management policy, viewing it as essential for quality enhancement. The college operates under the guidelines established by JNTUA and the Governing Body, which underpin the design and implementation of its quality policies.

The Principal, as the head of the institution, is endowed with the necessary authority to facilitate daily operations. All departments function under the Principal's supervision, with Heads of Departments (HODs) managing day-to-day academic activities. Furthermore, the Academic Council and Board of Studies play critical roles in curriculum development and academic policy, ensuring that educational standards meet industry demands and student needs.

This collaborative approach encourages faculty and HODs to contribute effectively, fostering an academic atmosphere that benefits students. The college's commitment to participative management cultivates a sense of ownership and accountability among all stakeholders, reinforcing the institution's vision for excellence.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institutional Strategic/ Perspective Plan of Narayana Engineering College, Nellore (NECN) is built upon a foundation of core values and strategic goals designed to enhance its educational and administrative frameworks.

Core Values:

NECN emphasizes eight core values:

1. Contributing to National Development
2. Fostering Global Competencies among Students
3. Inculcating a Value System among Students
4. Promoting the Use of Technology & Innovation
5. Quest for Excellence
6. Integrity
7. Transparency
8. Empathy

Strategic Goals:

The NECN Leadership Team, after conducting a thorough analysis of the institution's vision, mission, and stakeholder expectations, established the following Institutional Strategic Goals (ISG):

1. Ensuring good governance.
2. Establishing an effective teaching-learning process.
3. Developing leadership and participative management.
4. Strengthening financial management.
5. Enhancing Industry-Institute interaction.
6. Promoting entrepreneurship.
7. Encouraging research and innovation.



8. Robust Internal Quality Assurance
9. Ensuring students' development and participation.
10. Promoting staff development and welfare.
11. Strengthening alumni interaction.
12. Engaging in community services and extension activities.
13. Developing physical infrastructure.
14. Securing accreditations from statutory bodies.

These values and goals serve as the guiding framework for implementing effective governance and ensuring sustained excellence in academics, research, and community engagement.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Narayana Engineering College (NEC) Nellore boasts a robust organizational structure that ensures the effective and efficient functioning of its administrative and academic operations. At the apex is the Governing Body, the highest decision-making authority comprising management representatives, the Principal, faculty members, and nominees from AICTE, JNTUA, and the industrial sector. This body approves various academic and administrative initiatives, ensuring alignment with institutional goals.

The Principal, along with Heads of Departments (HODs) and sectional heads, actively participates in decision-making processes within their respective domains. The college encompasses various specialized departments, including Civil, Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Mechanical Engineering, MBA, MCA, and others, each led by qualified HODs. The Administrative Officer aids the Principal in daily administrative functions.

To enhance academic and operational efficiency, NEC has established numerous committees and cells, such as the IQAC, Examination Cell, Training and Placement Cell, and Grievance Redressal Mechanism.



Furthermore, the institution has a clearly defined Human Resource policy outlining service rules, recruitment, and promotion procedures. This comprehensive framework ensures stakeholder satisfaction and effective governance, reflecting NEC's commitment to excellence in education and administration.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.necn.ac.in/images/organan-NECN.jpg">https://www.necn.ac.in/images/organan-NECN.jpg</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>

### 6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Narayana Engineering College (NEC) prioritizes the welfare and professional development of both teaching and non-teaching staff, fostering a supportive work environment. The institution implements a variety of effective welfare measures, including health insurance, regular wellness programs, and access to recreational facilities. These initiatives aim to promote the physical and mental well-being of staff members, contributing to their overall job satisfaction.

In addition to welfare programs, NEC offers numerous avenues for career development and progression. Faculty members have access to

various training and development programs, including workshops, seminars, and conferences, enhancing their teaching skills and academic qualifications. The college encourages staff to pursue higher education and certifications, providing financial assistance and study leave where possible.

For non-teaching staff, NEC emphasizes skill development through targeted training sessions, enabling them to enhance their competencies and advance within the institution. The institution also conducts regular performance appraisals, which play a crucial role in recognizing and rewarding staff contributions, thereby motivating them to excel in their roles.

Overall, NEC's comprehensive welfare measures and career progression opportunities create a positive atmosphere that supports the professional growth of its staff, aligning with the institution's commitment to academic excellence.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/">https://www.necn.ac.in/</a>

### 6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

150

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

16

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

143

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.4 - Financial Management and Resource Mobilization

#### 6.4.1 - Institution conducts internal and external financial audits regularly

Narayana Engineering College (NEC), a unit of the Narayana Educational Society, places a strong emphasis on financial accountability by conducting regular internal and external audits. The internal audit is carried out by a dedicated team of qualified and experienced staff members who systematically review the institution's financial functioning. This internal audit team evaluates various financial operations to ensure compliance with established policies and procedures. The final report from the internal audit is submitted to the Governing Body for approval and ratification.

In addition to internal audits, NEC engages a reputable external audit firm to perform comprehensive financial audits at least once a year. This external audit covers all financial dealings, providing a thorough assessment of the college's financial practices. The objectives of both internal and external audits are to ensure that financial functions are executed systematically, promoting transparency and integrity in financial transactions.

The combination of internal and external audits not only enhances the institution's financial health but also instills confidence among stakeholders by ensuring that all financial activities are conducted with transparency and adherence to regulations. Through these rigorous auditing processes, NEC upholds its commitment to responsible financial management and accountability.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.necn.ac.in/IOAC/index.php">https://www.necn.ac.in/IOAC/index.php</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

5.87500

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Narayana Engineering College (NEC) has established a comprehensive strategy for mobilizing funds and optimizing resource utilization to enhance academic processes and infrastructure development. The primary source of funding comes from student fees, while any financial shortfalls are addressed through advances from the parent trust. The institution also seeks funding through research proposals, seed money specifically allocated for research initiatives, which aids in promoting innovation and scholarly activities.

Additionally, NEC generates revenue through consultancy services, collaborating with industries and organizations to provide expertise in various technical domains. This not only enhances the financial standing of the institution but also strengthens its ties with the industry.



Each year, the Principal prepares an institutional budget that considers both recurring and non-recurring expenditures. Academic and administrative heads, along with coordinators of different cells, are required to submit their budgetary needs for the upcoming financial year to the Principal. Major financial decisions are made by the Institute's Governing Body, ensuring strategic oversight.

Financial matters are closely monitored by the accounts office, which presents detailed statements of income and expenditure to the Finance Committee, including members from the academic committee and the Governing Body. This structured approach fosters transparency and ensures that resources are allocated effectively to support the institution's mission and goals

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.necn.ac.in/Income-and-Expenditure.php">https://www.necn.ac.in/Income-and-Expenditure.php</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) at Narayana Engineering College (NEC) plays a crucial role in embedding quality assurance strategies within the institution, reflecting a steadfast commitment to continuous improvement.

### Post-Accreditation Quality Initiatives:

**NBA Accreditation:** In 2023, the departments of Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), and Electrical and Electronics Engineering (EEE) achieved NBA accreditation for three years, reinforcing the institution's dedication to high educational standards.

**Student Support Programs:** The IQAC initiated a full-fee concession policy for academically gifted students who do not receive government scholarships, thereby enhancing the quality of first-year



admissions.

**NIRF Participation:** The IQAC has actively engaged in the National Institutional Ranking Framework (NIRF), promoting a culture of quality and transparency, which has led to gradual improvements in institutional rankings.

**Stakeholder Feedback:** Regular feedback collection from students, faculty, and alumni helps assess educational quality and identify areas for improvement, aligning practices with stakeholder expectations.

**Faculty Development Programs:** The IQAC organizes workshops to enhance teaching methodologies, facilitating the integration of innovative practices that improve student learning outcomes.

**Research Initiatives:** By providing seed funding, the institution encourages research activities among faculty and students, fostering a vibrant academic environment.

**Audits:** Academic and administrative audits conducted and assess departmental performance against objectives, facilitating necessary corrective actions.

Through these initiatives, the IQAC at NEC effectively fosters a culture of quality assurance, significantly enhancing both academic and operational standards, and ensuring ongoing improvement in educational offerings.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/Approvals.php">https://www.necn.ac.in/Approvals.php</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

**The Internal Quality Assurance Cell (IQAC) at Narayana Engineering College (NEC)** plays a pivotal role in continuously reviewing and enhancing the teaching-learning processes through a series of strategic reforms aimed at maintaining high quality standards.

**Reform-1: Syllabus Compliance Every 15 Days IQAC Review:** Faculty members are required to submit biweekly reports on syllabus

completion. The IQAC meticulously monitors these reports to ensure timely curriculum delivery. Outcome: This practice fosters accountability among faculty and ensures that the teaching process remains aligned with the academic calendar.

Reform-2: Feedback on Facilities IQAC Review: Regular feedback is solicited from students regarding the adequacy and condition of college facilities. Outcome: This proactive approach enables the administration to promptly address issues, thus enhancing the overall campus experience for students.

Reform-3: Institutional Activity Code (IAC) Implementation IQAC Review: Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation. Outcome: This systematization enhances organization and accountability in managing various activities within the institution.

Reform-4: MOOCS/NPTEL Integration into Curriculum IQAC Review: The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum is strongly encouraged. Outcome: This initiative broadens students' learning opportunities and ensures that academic offerings are aligned with current industry standards.

Through these targeted reforms, the IQAC at NEC is committed to fostering a culture of continuous improvement, significantly enhancing the overall quality of education

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/IQAC/index.php">https://www.necn.ac.in/IQAC/index.php</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.necn.ac.in/AOAR/2022-23/criterti-on-vi/Internal-Quality-Assurance-System/6.5.3-Rep-links.pdf">https://www.necn.ac.in/AOAR/2022-23/criterti-on-vi/Internal-Quality-Assurance-System/6.5.3-Rep-links.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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 during the year

Narayana Engineering College (NEC) is dedicated to promoting gender equity through various initiatives that emphasize gender sensitization and support for female students. The curriculum incorporates topics like gender inequality, sexual harassment, and domestic violence, highlighting the importance of these issues.

To facilitate a supportive environment, the college has established a Women Grievance Cell and a Women Forum, both led by senior female faculty. Safety measures include an Internal Complaints Committee to address harassment complaints and self-defense classes such as Kung Fu, Karate, and Yoga, empowering students with essential skills.

Counseling services are vital, with faculty actively engaging female students on health and safety topics, often inviting healthcare professionals to raise awareness about personal hygiene. Additionally, NEC provides separate, hygienic common rooms equipped with washrooms and first aid facilities, ensuring a safe space for female students.

The institution promotes participation in government initiatives focusing on women's empowerment and conducts awareness campaigns and workshops on gender issues. Regular feedback from female students is collected to assess the effectiveness of these programs, enabling continuous improvement. Through these comprehensive measures, NEC fosters an inclusive and empowering atmosphere, striving for equality and respect on campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/womens-forum.php">https://www.necn.ac.in/womens-forum.php</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

**Narayana Engineering College (NEC) has implemented a robust waste management system that emphasizes environmental sustainability and community awareness.**

**Solid Waste Management:**

**Segregation Practices:** Strategically placed dustbins for biodegradable and non-biodegradable waste encourage proper disposal.

**Biodegradable Alternatives:** The college uses biodegradable plates and steel utensils, reducing plastic waste.

**Composting Initiatives:** Seasonal dry leaves are composted for use as organic manure, promoting a circular economy.

**Recycling Programs:** Paper and recyclable materials are collected and sent to certified agencies, minimizing landfill contributions.

**Liquid Waste Management:**

**Efficient Disposal Systems:** Liquid waste is managed by a licensed biomedical waste agency, ensuring safe disposal.



**Zero Leakage Protocols:** The institution employs a municipal drainage system designed to prevent wastewater leakage.

**E-Waste Management:**

**Responsible Disposal:** E-waste, including batteries and damaged electronics, is sold to authorized recycling vendors.

**Green Campus Initiatives:**

NEC actively promotes greenery through tree planting drives, maintaining gardens, and ensuring a clean campus environment.

**Awareness Campaigns:**

Conducted by the CEA, these campaigns educate students and staff about waste management practices and the importance of sustainability, fostering a culture of environmental responsibility.

Through these initiatives, NEC not only manages waste effectively but also cultivates an environmentally conscious community.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution:** Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**



**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

**A. Any 4 or All of the above**

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<b>No File Uploaded</b>

**7.1.6 - Quality audits on environment and energy undertaken by the institution**

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

**A. Any 4 or all of the above**

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).**

Narayana Engineering College (NEC) is dedicated to fostering an inclusive environment that promotes tolerance and harmony across various cultural, regional, linguistic, communal, and socio-economic diversities. To enhance inclusivity, the college implements several measures that reflect its commitment to this goal.

Cultural Exchange Programs allow students from different backgrounds to showcase their traditions, art, and cuisine, promoting mutual respect and understanding. Diversity Workshops are regularly conducted, focusing on equity and inclusion, encouraging open dialogue and raising awareness about the importance of embracing differences.

The establishment of Support Groups for marginalized communities provides a safe space for discussion and assistance in navigating academic and social challenges. NEC has also set up a Multilingual Academic Calendar, ensuring accessibility for all students regardless of their language background.

Additionally, the college hosts Interfaith Dialogues, fostering respect for different religions and beliefs while promoting peace and coexistence among diverse student groups.

Through these initiatives, NEC demonstrates its dedication to creating a nurturing environment that values diversity and fosters social cohesion, aligning with best practices observed in other institutions recognized for their commitment to inclusivity.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

**Sensitization Initiatives at Narayana Engineering College 1.**

**Curriculum Integration: "Constitution of India" Course** The mandatory course on the Constitution of India equips students with knowledge of their constitutional rights and responsibilities, promoting awareness from the outset of their education.

**2. Celebratory Events** NEC commemorates Republic Day and Independence Day, focusing on the significance of the Indian Constitution through various programs, including cultural performances and discussions.

**3. Human Values and Ethics Cell** This cell organizes workshops and seminars aimed at instilling ethical values and responsibilities among students, ensuring they understand their civic duties as future leaders.

**4. Elocution and Debate Competitions** Regular elocution and debate events are held on topics related to civic rights and ethical responsibilities, fostering a culture of discussion and critical thinking.

**5. Code of Conduct** The institution has a comprehensive Code of Conduct for students and staff, reinforcing the importance of adhering to constitutional values and ethical behavior.

**6. Centre for Extension Activities (CEA)** Through CEA, students participate in community service projects, including cleanliness drives, which instill a sense of social responsibility and civic

engagement.

These initiatives reflect NEC's commitment to nurturing responsible citizens who understand and respect constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Narayana Engineering College (NEC) actively engages students and staff through its Center for Extension Activities (CEA), promoting community welfare and social responsibility. Building on its existing initiatives, the CEA implements several additional activities:

**Community Service Programs:** NEC organizes regular community outreach



programs, including health camps, literacy drives, and food distribution to underprivileged sections of society.

**Environmental Awareness Campaigns:** The CEA conducts workshops and seminars focusing on environmental sustainability, encouraging students to participate in activities like tree plantation drives and clean-up campaigns in local areas.

**Skill Development Workshops:** Various skill enhancement programs are organized to equip students with practical skills, such as vocational training and entrepreneurship development, benefiting both students and the community.

**Collaboration with NGOs:** The CEA collaborates with non-governmental organizations for social initiatives, providing students with opportunities to engage in meaningful community projects.

**Volunteering Opportunities:** The center facilitates volunteer opportunities for students in various social, cultural, and environmental initiatives, fostering a sense of civic duty and responsibility.

**Awareness Programs on Health and Hygiene:** Regular health awareness camps are organized, focusing on hygiene, sanitation, and health education, benefiting the surrounding communities.

These initiatives reflect NEC's commitment to creating a positive impact on society while enriching students' educational experiences through active engagement in community service.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

**Best Practice 1: Continuous Syllabus Review** The IQAC mandates faculty to submit biweekly reports on syllabus completion, ensuring



timely curriculum delivery. This practice enhances accountability among faculty, maintaining alignment with the academic calendar.

**Best Practice 2: Feedback on Facilities** Regular feedback from students regarding college facilities is solicited, allowing the administration to promptly address issues. This proactive approach significantly improves the overall campus experience.

**Best Practice 3: Institutional Activity Code (IAC) Implementation** Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation, enhancing accountability and organization within the campus.

**Best Practice 4: MOOCS/NPTEL Integration into Curriculum** The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum expands learning opportunities and aligns academic offerings with industry standards.

**Best Practice 5: Continuous Professional Development Programs** Regular workshops and seminars for faculty help enhance pedagogical skills, ensuring they are well-equipped to deliver quality education.

**Best Practice 6: Community Engagement Initiatives** Active participation in community service fosters social responsibility among students, enhancing their awareness of societal issues and cultivating empathy.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.necn.ac.in/AOAR/2022-23/criterti-on-vii/Best-Practices/7.2.1-scan.pdf">https://www.necn.ac.in/AOAR/2022-23/criterti-on-vii/Best-Practices/7.2.1-scan.pdf</a>
Any other relevant information	<a href="https://www.necn.ac.in/">https://www.necn.ac.in/</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

NEC is known for its value-based education and has always been a pioneer in adopting the best practices in the field of education. The academic activities are customized to suit the students' requirements.

1: Continuous Syllabus Review The IQAC mandates faculty to submit biweekly reports on syllabus completion, ensuring timely curriculum delivery. This practice enhances accountability among faculty, maintaining alignment with the academic calendar.

2: Feedback on Facilities Regular feedback from students regarding college facilities is solicited, allowing the administration to promptly address issues. This proactive approach significantly improves the overall campus experience.

3: Institutional Activity Code (IAC) Implementation Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation, enhancing accountability and organization within the campus.

4: MOOCS/NPTEL Integration into Curriculum The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum expands learning opportunities and aligns academic offerings with industry standards.

5: Continuous Professional Development Programs Regular workshops and seminars for faculty help enhance pedagogical skills, ensuring they are well-equipped to deliver quality education.

6: Community Engagement Initiatives Active participation in community service fosters social responsibility among students, enhancing their awareness of societal issues and cultivating empathy.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

The curricula developed at Narayana Engineering College reflect local, national, and global developmental needs by aligning with well-defined Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs). The design and implementation are overseen by the Board of Studies and Academic Council, ensuring alignment with UGC, AICTE, JNTUA, and APSCHE guidelines.

Outcome-Based Education (OBE) is rigorously applied, with curriculum structure, course categories, and electives carefully designed to enhance academic quality. Each course's COs are systematically mapped to relevant POs and PSOs, following Bloom's taxonomy for practical's, seminars, and project work.

This methodology ensures that graduates meet all 12 POs, equipping them with essential skills for the global workforce. The institution has also defined 3-5 Program Educational Objectives (PEOs) for each program, evaluated through alumni performance, ensuring continuous relevance and impact of the curriculum.

This holistic and structured approach meets diverse developmental needs, ensuring that graduates contribute effectively to society at local, national, and global levels.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://www.necn.ac.in/Autonomous-syllabus.php">https://www.necn.ac.in/Autonomous-syllabus.php</a>

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

10

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

728

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

246

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

10

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The institution makes continuous efforts to integrate cross-cutting issues such as Professional Ethics, Gender, Human Values, and Environmental Sustainability into the curriculum across all undergraduate programs. Key subjects like Gender Sensitization, Universal Human Values, Professional Ethics in Engineering, and Environmental Sciences are incorporated to ensure students develop both professional and social competencies.

The Gender Sensitization course addresses critical issues like gender inequality, the declining sex ratio, sexual harassment, and domestic violence, fostering awareness and sensitivity among students. Universal Human Values installs ethical and moral perspectives, ensuring students are well-equipped to handle societal challenges.

Environmental Sciences is included in the first-year curriculum, with a focus on natural resources, ecosystems, biodiversity conservation, environmental pollution, and waste management. The curriculum emphasizes hands-on learning through field visits and assignments, allowing students to engage with real-world environmental challenges and encouraging them to actively participate in sustainability efforts.

These courses collectively aim to build a well-rounded student body that is aware of pressing global issues and equipped to act ethically and responsibly. The institution's commitment to integrating these cross-cutting issues ensures holistic development and prepares graduates to contribute positively to society and the environment.



File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

20

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2167

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1565

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Structured feedback and review of the **A. All 4 of the above**

**syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-i/Feedback-System/1.4.1-Report2022-23.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-i/Feedback-System/1.4.1-Report2022-23.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-i/Feedback-System/1.4.1-Report2022-23.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-i/Feedback-System/1.4.1-Report2022-23.pdf</a>
Any additional information	<a href="#">View File</a>

## **TEACHING-LEARNING AND EVALUATION**

### **2.1 - Student Enrollment and Profile**

#### **2.1.1 - Enrolment of Students**

##### **2.1.1.1 - Number of students admitted (year-wise) during the year**

**727**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)**

472

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The institution assesses students' learning levels through a systematic process at the beginning of each program. Intermediate marks are considered to classify students as slow or advanced learners. A pre-defined assessment procedure is used to evaluate their capabilities, allowing for tailored support to enhance learning outcomes.

For slow learners, the institution offers bridge courses to help first-year student's transition smoothly from intermediate to engineering. Additional activities include extra classes in challenging subjects, providing question banks with solutions, and organizing remedial classes after mid-examinations. Slow learners receive personalized counselling and academic guidance to improve performance, along with self-learning sessions to encourage independent study.

For advanced learners, the institution organizes special programs to deepen their knowledge, such as advanced training in C programming. They are also provided with personality development classes to enhance their soft skills. Extra resources, including additional books from the library and access to NPTEL videos and e-books, are offered to promote self-directed learning and intellectual growth.

Through these efforts, the institution ensures that both slow and advanced learners receive the necessary support, fostering an inclusive learning environment that encourages academic excellence and personal development for all students

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterion-ii/Catering-to-Student-Diversity/2.2.1-Link.pdf">https://www.necn.ac.in/AQAR/2022-23/criterion-ii/Catering-to-Student-Diversity/2.2.1-Link.pdf</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
30/06/2023	2433	177

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 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:

At Narayana Engineering College (NEC), a robust student-centric approach is integral to the teaching-learning process, significantly enhancing learning experiences through various innovative methods.

#### Experiential Learning

NEC prioritizes experiential learning by incorporating practical experiences into the curriculum. Students engage in lab experiments, participate in industrial visits and field trips, and undertake internships that provide real-world insights. Project exhibitions further allow students to showcase their practical skills and innovation.

#### Participative Learning

To foster active engagement, NEC employs active learning methods, where students participate in discussions, group activities, and peer teaching. The college also encourages involvement in conferences and symposia, enhancing knowledge exchange and networking opportunities. Student clubs promote collaborative

learning and personal development, allowing students to explore their interests outside the classroom.

### Problem-Solving Methodologies

The institution employs problem-solving methodologies that challenge students to think critically and develop solutions to real-life problems. This includes case studies, simulations, and project-based learning, which not only enhance analytical skills but also prepare students for industry challenges.

Through these diverse methodologies, NEC effectively cultivates a dynamic learning environment that empowers students, aligns with contemporary educational practices, and prepares graduates for success in their respective fields.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterion-ii/Teaching-Learning-Process/2.3.1-Link.pdf">https://www.necn.ac.in/AQAR/2022-23/criterion-ii/Teaching-Learning-Process/2.3.1-Link.pdf</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The institution promotes the extensive use of ICT-enabled tools and online resources to enhance the teaching-learning process. Classrooms, seminar halls, labs, and auditoriums are equipped with ICT facilities such as LCD projectors, computers with internet access, and smart boards. Faculty members leverage these tools to adopt innovative teaching methods that improve learning outcomes.

Faculty use a range of ICT resources including working models, charts, PowerPoint presentations (PPTs), videos, and animations to explain complex concepts. Additionally, they upload lecture notes, PPTs, assignments, and tutorials to the Learning Management System (LMS), ensuring that students have easy access



to learning materials. The institution subscribes to online resources like IEEE, Digital Library, and DELNET, providing both faculty and students with access to the latest academic research.

Faculty members also integrate NPTEL videos into their lessons, and the institution encourages participation in MOOCs for continuous learning. A dedicated media center is established to create e-content, while the digital library offers a range of e-resources, including e-books, e-journals, and OPAC for library catalog searches.

These initiatives ensure that ICT tools are effectively utilized, creating a dynamic and technology-driven teaching environment that caters to the diverse learning needs of students

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="http://103.170.109.22/moodle/">http://103.170.109.22/moodle/</a>
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

159

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Since the conferment of autonomy in 2020, students admitted from the 2020-21 onwards follow the institution's autonomous regulations, while those from previous batches continue to adhere to JNTUA's affiliated guidelines. The institution strictly follows the Academic Calendar issued by JNTUA for these students,

which includes details like instructional periods, mid-exam schedules, practical sessions, and end-semester exams.

At the beginning of each semester, the Principal convenes the College Academic Committee (CAC) to align the Institutional Academic Calendar with the university's calendar for non-autonomous students and prepares a separate calendar for autonomous students. The Institutional Academic Calendar, prepared by IQAC, along with Departmental Academic Calendars, outlines key curricular, co-curricular, and extracurricular activities for all students.

The institution adheres to these academic calendars in conducting internal assessments such as theory exams, lab practicals, career development programs, technical seminars, projects, and comprehensive online exams. Faculty members develop detailed teaching plans to ensure timely completion of the syllabus, allowing students to progress academically in a structured and organized manner.

This system ensures that all academic activities are conducted efficiently, aligning with the needs of both autonomous and affiliated students

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

177

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

38

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

933

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

#### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

31

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

5

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The institution has introduced IT-enabled reforms in its Examination Management System (EMS), significantly enhancing reliability, efficiency, and transparency. Automation of the examination process has ensured accuracy at every stage, from question paper generation to result declaration.

#### Key Reforms and Impacts:

**Multiple sets of question papers:** Four sets of question papers are maintained for each course, ensuring confidentiality in the selection process. This system, along with moderation and internal choices, guarantees comprehensive syllabus coverage, requiring students to study all modules in a course.

**Standardized evaluation:** Detailed schemes of evaluation are prepared by internal subject experts to ensure uniformity and consistency among evaluators, resulting in fair and balanced assessment practices.

**CCTV surveillance:** The establishment of CCTV monitoring in the examination section ensures continuous oversight, preventing

unauthorized access and safeguarding the confidentiality of answer booklets.

Encoding and decoding of answer booklets: This system provides confidentiality and ensures unbiased evaluation, enhancing the integrity of the examination process.

Automation of EMS: Automation has improved the reliability, security, and accuracy of the examination process, ensuring transparency and maintaining the confidentiality of sensitive data.

These reforms collectively enhance the institution's ability to manage examinations with greater precision, ensuring a fair, secure, and efficient system.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="http://115.241.194.4/Nnote/index.html">http://115.241.194.4/Nnote/index.html</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

In adherence to the objectives of Outcome-Based Education (OBE), the institution ensures that Program Outcomes (POs), Program Specific Outcomes (PSOs), and Course Outcomes (COs) are clearly defined and communicated to both students and faculty. These outcomes are developed by the respective departments and are widely disseminated through various platforms, ensuring that all stakeholders are aware of them.

Methods of Communication:

Website: POs, PSOs, and COs are prominently displayed on the college website ([www.necn.ac.in](http://www.necn.ac.in)) under the respective departmental sections.

Curriculum and Regulations Books: POs, PSOs, and COs are included in the official curriculum documents provided to students.

Classrooms and Department Notice Boards: These outcomes are displayed in classrooms and department notice boards to ensure



easy access.

**Laboratories and Library:** Relevant outcomes are also posted in laboratories and the library.

**Student Induction Programs:** Awareness of POs, PSOs, and COs is highlighted during student inductions.

**Meetings and Faculty Interactions:**

Department Heads (HODs), faculty members, mentors, and course coordinators actively communicate and emphasize the importance of achieving these outcomes in meetings and one-on-one student interactions.

Program Outcomes outline the professional skills to be acquired, while Course Outcomes (COs) are developed by course coordinators with input from faculty members. This structured approach ensures that students are well-informed and aligned with the learning goals of their respective programs.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://www.necn.ac.in/Autonomous-syllabus.php">https://www.necn.ac.in/Autonomous-syllabus.php</a>

## 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The institution evaluates the attainment of Program Outcomes (POs) and Course Outcomes (COs) through a combination of direct and indirect assessment tools. This structured approach ensures that the learning outcomes of students align with the program objectives.

**1. Direct Assessment Tools:** The direct assessment primarily relies on student performance in internal and university examinations. The students' performance across various assessments, including internal exams and university exams, contributes to the attainment of COs. These COs are mapped to the POs and PSOs to evaluate their achievement. Direct assessment accounts for 80% weightage in the overall attainment of POs and

PSOs. The formula for calculating PO attainment is:

Course-PO-AttainmentLevel=

$\{ \sum (CO-PO) / 3 \times COAttainmentLevel \} / TotalNo.ofCOsMapped$

2. Indirect Assessment Tools: To complement direct assessments, the institution employs indirect assessment tools:

- Graduate Exit Survey (10% weightage)
- Alumni Survey (5% weightage)
- Employer Survey (5% weightage)

Surveys are analyzed by calculating a weighted average using the formula:

$(NumberOfHighs \times 3 + NumberOfModerates \times 2 + NumberOfLows \times 1) / TotalNumberofStudents$

This comprehensive process ensures that the attainment of POs and PSOs is measured accurately, using both objective and subjective methods.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/Autonomous/index.php">https://www.necn.ac.in/Autonomous/index.php</a>

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

542

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-ii/Student-Performance-and-Learning-Outcomes/2.6.3.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-ii/Student-Performance-and-Learning-Outcomes/2.6.3.pdf</a>

## 2.7 - Student Satisfaction Survey

**2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink**

<https://www.necn.ac.in/AOAR/2022-23/criterion-ii/Student-Satisfaction-Survey/2.7.1-SSS.pdf>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institution has a comprehensive and well-structured policy in place to promote and incentivize research, which is available on the institutional website. Research is actively encouraged at the department level through undergraduate projects and internships, fostering a research culture early on. The institution's Research Committee, comprising the Principal, R&D Coordinator, HODs, and subject experts, ensures the smooth execution of research activities while addressing ethical considerations.

The Research and Development (R&D) Cell was established with state-of-the-art software and computing facilities to support research initiatives. Faculty and students can submit research proposals, which are scrutinized by the committee, and promising proposals are awarded seed funding to kick-start their projects.

The institute's library is well-equipped with high-quality journals, e-journals, and e-books from various disciplines, providing an excellent platform for research. Faculty members are encouraged to participate in national and international seminars, conferences, and workshops, with the institution covering

registration fees, travel, and accommodation costs.

Furthermore, faculty are incentivized for peer-reviewed publications, writing books, and filing patents, and the institution supports the patent filing process, ensuring adherence to the Research Policy. This framework strengthens the research capabilities of the institution and promotes a culture of innovation.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.necn.ac.in/Research-Policy.php">https://www.necn.ac.in/Research-Policy.php</a>
Any additional information	No File Uploaded

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

3.68000

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

26.11170

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 3.2.2 - Number of teachers having research projects during the year

1

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://dbt.icmr.org.in">https://dbt.icmr.org.in</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

4



File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

1

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://dbt.icmr.org.in">https://dbt.icmr.org.in</a>
Any additional information	No File Uploaded

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The Narayana Engineering College (NECN), Nellore, has developed a comprehensive ecosystem for fostering innovation, research, and entrepreneurship through its dedicated centers. These centers include:

Research and Development Cell

Entrepreneurship and Development Cell

National Service Scheme (NSS)

Innovation Incubation Cell (IIC)

Industry and Institution Interaction Cell (IIIC)

Intellectual Property Rights (IPR) Cell

Center for Extension Activities

These cells collectively create an environment conducive to innovation and entrepreneurship. To promote a culture of innovation, the institution organizes awareness programs, technical symposiums, management meets, workshops, seminars, and guest lectures on entrepreneurship, research methodologies, and intellectual property rights (IPR).

Entrepreneurs and industry experts are regularly invited to inspire students and provide practical insights. The institution has established a Code of Ethics to ensure quality and integrity in research practices. Students and faculty are actively encouraged to engage in community-oriented activities through extension programs such as environmental awareness, blood donation drives, and outreach initiatives under NSS.

Students have access to facilities to develop prototypes, and project expos are regularly organized to showcase socio-relevant models. The best models are awarded cash prizes, encouraging hands-on learning and enhancing industry exposure. This vibrant innovation ecosystem ensures that students are well-prepared for real-world challenge

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/r-d-office.php">https://www.necn.ac.in/r-d-office.php</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

3

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

#### 3.4.1 - The Institution ensures

B. Any 3 of the above

**implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

**3**

File Description	Documents
URL to the research page on HEI website	<a href="https://www.jntua.ac.in/category/research-and-development/">https://www.jntua.ac.in/category/research-and-development/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

**92**

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**

75

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-iii/Research-Publications-and-Awards/3.4.4.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-iii/Research-Publications-and-Awards/3.4.4.pdf</a>

**3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed****3.4.5.1 - Total number of Citations in Scopus during the year**

12

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

**3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University****3.4.6.1 - h-index of Scopus during the year**

1

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.5 - Consultancy****3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)**

1.52000

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

55000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The Narayana Engineering College (NEC), Nellore, has actively integrated extension activities into its academic framework to promote holistic student development. The institution encourages students to engage in social issues through various community outreach programs, which sensitize them towards responsible citizenship and moral values. These activities are organized through the NSS (National Service Scheme), Cultural Cells, and other community-oriented initiatives, forming a structured approach to social engagement.

Some of the key activities include participation in "Swachh



Bharat" campaigns, environmental awareness initiatives like tree plantation drives, and blood donation camps in collaboration with organizations like Red Cross and local hospitals. Additionally, the college organizes rallies and awareness programs on issues such as the dangers of firecrackers and promoting eco-friendly celebrations, as seen in the Anti-Cracker Rally before Diwali.

To further support these efforts, NEC has built-in Activity Point Programs in its course structure, encouraging students to actively participate in these social initiatives. Students are awarded points for involvement, which contributes to their academic profile, promoting both academic and extracurricular engagement. These activities not only foster a sense of national integration but also build student leadership, environmental stewardship, and community responsibility.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AQAR/2022-23/criterion-iii/Extension-Activities/3.6.3-CLR.pdf">https://www.necn.ac.in/AQAR/2022-23/criterion-iii/Extension-Activities/3.6.3-CLR.pdf</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

14

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

24

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year****1761**

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration****3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work****124**

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)****26**

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The institution boasts a robust infrastructure and a variety of physical facilities that support a dynamic teaching-learning environment. Every classroom is equipped with projectors and ICT-enabled tools like smart boards, along with Learning Management Systems (LMS) to facilitate modern educational methods. The entire campus is Wi-Fi enabled with a high-speed 100 Mbps internet connection. A centralized library, along with departmental libraries, offers rich resources in both print and online formats. Additionally, the air-conditioned auditorium can accommodate over 500 attendees, fully equipped with advanced audio-visual systems.

The college also has a state-of-the-art gym with separate timings for men and women, led by qualified instructors. Potable water is supplied daily, ensuring a clean and hygienic environment, with a capacity of 10,000 liters per day. The spacious canteen caters to over 400 students, offering separate dining areas for boys and girls. Other essential infrastructure includes fire safety systems, a grid-connected solar power system, ample parking space, a well-equipped sports complex, and a reliable electrical backup system to ensure uninterrupted academic activities.

This comprehensive infrastructure is designed to foster a conducive environment for learning, research, and overall student well-being

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/facilites.php">https://www.necn.ac.in/facilites.php</a>

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

The institution fosters comprehensive student development by providing state-of-the-art facilities for cultural, sports, and wellness activities. Cultural events are hosted in the seminar halls, auditorium, and open-air theatre, creating spaces for vibrant participation.

**Sports and Games:**

With a qualified physical director, students receive personalized training in various indoor and outdoor games. The indoor sports room is equipped for table tennis, chess, and caroms, while outdoor spaces support larger-scale activities.

#### Yoga Centre:

A dedicated yoga and meditation centre is available, promoting physical and mental well-being. Regular sessions encourage students and faculty to practice mindfulness.

#### Gymnasium:

The gymnasium features advanced equipment, including treadmills, cycles, abdominal benches, and weight stations, ensuring access to fitness resources.

#### Cultural Activities:

The auditorium and seminar halls are equipped with modern audio-visual setups for cultural events like Freshers' Day, Annual Day, and Farewell Day. These platforms encourage students to participate in creative and artistic expressions throughout the academic year.

Additionally, the campus has integrated the Activity Point Program (APP), ensuring students actively engage in various cultural and sports activities, enhancing their overall learning experience and personal growth.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/hobby-club.php">https://www.necn.ac.in/hobby-club.php</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

49

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

**117.50436**

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.2 - Library as a Learning Resource

##### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

The library at Narayana Engineering College has embraced modern technology through the implementation of an Integrated Library Management System (ILMS), enhancing its operational efficiency and user experience. Our ILMS, named Library Management System Software (LMS) version 2.0, was developed in-house and fully automated since 2007. This software streamlines all in-house library operations, incorporating a barcode scanner for efficient transaction management.

The ILMS features various functional modules, including:

**Cataloging:** Allows users to access bibliographic data and perform primary searches.

**Circulation:** Facilitates material transactions, member registration, fine transactions, and SMS alerts for overdue items.

**Reporting:** Generates comprehensive reports on material searches, member activities, and transactions.



Web OPAC: Offers an Online Public Access Catalogue, enabling users to search for books, journals, and new arrivals conveniently.

Additionally, the library subscribes to multiple journals and magazines, providing a wealth of resources, both physical and digital. Students and faculty can easily access e-journals and numerous e-books through the N-List Program, enhancing their research capabilities.

The library's commitment to continuous improvement and user education ensures that both students and faculty can effectively utilize these resources for their academic success?

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/LIBRARY/index.php">https://www.necn.ac.in/LIBRARY/index.php</a>

**4.2.2 - Institution has access to the following:**  
e-journals e-ShodhSindhu Shodhganga  
Membership e-books Databases Remote  
access to e-resources

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

**8.43459**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

196

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

Narayana Engineering College has established a comprehensive IT policy that governs the management and usage of its IT facilities, encompassing Wi-Fi, cyber security, and other essential technologies. This policy outlines the procedures for utilizing these resources effectively while ensuring that students and staff have access to a secure and efficient technological environment.

The institution allocates a significant budget for the regular maintenance, upgrading, and expansion of its IT facilities. These facilities include state-of-the-art computing systems, extensive Wi-Fi coverage, cyber-security measures, intranet and internet services, and various software tools. The IT infrastructure supports multiple systems, such as campus management software, library information systems, learning management systems (LMS), and online assessment tools.

The college's commitment to enhancing its IT capabilities promotes both vertical and horizontal mobility in teaching and research methodologies. Regular updates ensure that students have access to the latest technologies, facilitating their project

work and seminar preparations. The campus is fully networked, allowing seamless connectivity for email, internet browsing, and the downloading of web-based applications.

Additionally, the institution boasts sophisticated computer labs equipped with advanced servers and software, fostering an interactive learning environment. All labs are connected to the Local Area Network (LAN) and have internet access, ensuring that students benefit from a well-rounded educational experience about the IT facilities and policies.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/facilites.php">https://www.necn.ac.in/facilites.php</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2433	668

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/AOAR/2020-21/criterion-iv/IT-Infrastructure/Media%20Center-1.mp4">https://www.necn.ac.in/AOAR/2020-21/criterion-iv/IT-Infrastructure/Media%20Center-1.mp4</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

159.99402

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

At Narayana Engineering College, the maintenance and utilization of physical, academic, and support facilities are meticulously managed through well-defined systems and procedures to ensure an optimal learning environment. Each department assigns dedicated in-charges who actively monitor and maintain their respective areas.

The Administrative Officer (AO) supervises civil maintenance, overseeing divisions like water supply, sewage, carpentry, and gardening to ensure that campus infrastructure remains functional and secure. The Civil Engineering department contributes to maintaining compliance with safety and quality standards for infrastructure. Additionally, the Mechanical Engineering department manages machinery and tools, with trained technicians ensuring proper equipment maintenance during practical sessions.

In laboratories, designated Lab In-Charges, under the direction of the Head of Department (HOD), manage equipment maintenance. The Computer Science department's system administrator is

responsible for maintaining computers and software, while electrical maintenance is handled by the EEE department's HOD.

The Library is managed by the Librarian, with the Library Management System (LMS) ensuring smooth operations. Physical education facilities are overseen by the Physical Director, and the health center is managed by a qualified medical officer, assisted by a nurse and a pharmacist. Lastly, the AO and a team of security guards ensure the campus remains secure.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/pdf/Maintenance%20Manual%20(1).pdf">https://www.necn.ac.in/pdf/Maintenance%20Manual%20(1).pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1169

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

601

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

#### 5.1.3 - The following Capacity Development

A. All of the above



**and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

File Description	Documents
Link to Institutional website	<a href="https://www.necn.ac.in/pdf/NECR-B.TECH-R21-REGULATIONS-NECG-3-3-23-A5.pdf">https://www.necn.ac.in/pdf/NECR-B.TECH-R21-REGULATIONS-NECG-3-3-23-A5.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### **5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

**2034**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

513

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

13

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year**

32

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution**

At Narayana Engineering College, the Student Council serves as a vital component of student engagement, fostering an active academic atmosphere. Comprising academically accomplished students and faculty, it includes representatives from both undergraduate and postgraduate programs. This diversity empowers students to partake in decision-making across various academic and administrative committees.

The Student Council plays a crucial role in organizing a wide range of curricular, co-curricular, and extracurricular activities with faculty support. Students are encouraged to connect with professional societies such as IEEE, ISTE, and CSI, enhancing their educational experience. They also actively participate in technical clubs, including:

**Robotics Club:** Encourages innovation through hands-on robotics projects.

**Coding Club:** Develops programming skills and hosts hackathons.

**Faraday Club:** Explores electrical engineering through practical experiments.

Circuit Club: Facilitates exploration of circuit design and electronics.

Additionally, student representatives engage in various institutional committees, such as:

Class and Course Committees

Internal Quality Assurance Cell (IQAC)

Department Student Association Committees

Women's Forum

Internal Complaint Committee

National Service Scheme (NSS) and Community Engagement Activities (CEA)

Professional Chapter Committees

Industry-Institute Interaction Cell

Library Committee

Anti-Ragging Committee

Canteen Committee

Placement Cell

Human Values and Ethics Cell

Sports Committee

Innovation and Incubation Cell

Transportation Committee

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/department-association.php">https://www.necn.ac.in/department-association.php</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

40

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Narayana Engineering College Alumni Association (NECAA), established on December 18, 2007, under the Society Registration Act, plays a pivotal role in the institution's development. With registration No. 461/2007, the NECAA is structured with key roles including a President, Vice-President, Secretary, Joint Secretary, and Treasurer. An Alumni In-charge is designated to oversee and coordinate various alumni activities.

The association significantly contributes to the college through several avenues:

**Industry Insights:** Alumni provide valuable information about current job market trends, placement scenarios, and industry expectations, aiding the institution in aligning its curriculum with real-world demands.

**Guest Lectures:** Alumni frequently return to share their expertise, offering guest lectures and serving as resource persons for workshops and seminars on the latest technological advancements.



**Curricular Feedback:** Periodic feedback from alumni helps identify curricular gaps and informs necessary updates to ensure relevance to the industry.

**Industrial Visits:** Alumni facilitate industrial visits for current students, enhancing practical learning experiences.

**Event Sponsorship:** They contribute financially by sponsoring various events organized by the college each year.

**Competitions:** Alumni members often participate as judges in both technical and non-technical competitions, supporting student engagement and skill development. Through these contributions, the NECAA fosters a strong connection between graduates and the institution, enhancing educational quality and community support.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/alumni-office.php">https://www.necn.ac.in/alumni-office.php</a>

**5.4.2 - Alumni's financial contribution during the year**

**D. 2 Lakhs - 5 Lakhs**

File Description	Documents
Upload any additional information	<a href="#">View File</a>

## **GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The governance of Narayana Engineering College exemplifies effective leadership aligned with the institution's vision and mission. An empowered team, including the Principal, committee conveners, teaching and non-teaching staff, student representatives, alumni, and stakeholders, collaborates to ensure administrative and academic excellence.

The Principal oversees the implementation of policies and action plans, fostering a conducive environment for learning. Various committees—such as the Internal Quality Assurance Cell (IQAC),

Examination Cell, Career Counseling Cell, NSS, Library Committee, Sports Committee, Cultural and Literary Committee, Internal Examination Committee, Anti-Ragging Committee, College Magazine Committee, Disciplinary Committee, Grievance Redressal Committee, and R&D Cell—are established to drive the institution's objectives.

Regular meetings with Heads of Departments (HoDs) facilitate continuous monitoring of academic performance, while monthly reviews of lecture diaries ensure teaching quality. CCTV surveillance enhances campus security and monitors classroom activities.

Furthermore, the Principal, along with the finance committee, manages funds from various grants, supporting infrastructure maintenance and overall institutional development. This structured governance model not only reflects a commitment to quality education but also promotes a culture of accountability and continuous improvement.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.necn.ac.in/pdf/AICTE-MANDATORY%20DISCLOSURE-22-23-19-4-23.pdf">https://www.necn.ac.in/pdf/AICTE-MANDATORY%20DISCLOSURE-22-23-19-4-23.pdf</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Effective leadership at Narayana Engineering College is exemplified through decentralized and participative management practices. The institution fosters a democratic environment by promoting operational transparency and empowering faculty and students to engage in governance.

The Governing Body has adopted a participative management policy, viewing it as essential for quality enhancement. The college operates under the guidelines established by JNTUA and the Governing Body, which underpin the design and implementation of its quality policies.

The Principal, as the head of the institution, is endowed with the necessary authority to facilitate daily operations. All departments function under the Principal's supervision, with

Heads of Departments (HODs) managing day-to-day academic activities. Furthermore, the Academic Council and Board of Studies play critical roles in curriculum development and academic policy, ensuring that educational standards meet industry demands and student needs.

This collaborative approach encourages faculty and HODs to contribute effectively, fostering an academic atmosphere that benefits students. The college's commitment to participative management cultivates a sense of ownership and accountability among all stakeholders, reinforcing the institution's vision for excellence.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Institutional Strategic/ Perspective Plan of Narayana Engineering College, Nellore (NECN) is built upon a foundation of core values and strategic goals designed to enhance its educational and administrative frameworks.

Core Values:

NECN emphasizes eight core values:

1. Contributing to National Development
2. Fostering Global Competencies among Students
3. Inculcating a Value System among Students
4. Promoting the Use of Technology & Innovation
5. Quest for Excellence
6. Integrity
7. Transparency
8. Empathy

**Strategic Goals:**

The NECN Leadership Team, after conducting a thorough analysis of the institution's vision, mission, and stakeholder expectations, established the following Institutional Strategic Goals (ISG):

1. Ensuring good governance.
2. Establishing an effective teaching-learning process.
3. Developing leadership and participative management.
4. Strengthening financial management.
5. Enhancing Industry-Institute interaction.
6. Promoting entrepreneurship.
7. Encouraging research and innovation.
8. Robust Internal Quality Assurance
9. Ensuring students' development and participation.
10. Promoting staff development and welfare.
11. Strengthening alumni interaction.
12. Engaging in community services and extension activities.
13. Developing physical infrastructure.
14. Securing accreditations from statutory bodies.

These values and goals serve as the guiding framework for implementing effective governance and ensuring sustained excellence in academics, research, and community engagement.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

Narayana Engineering College (NEC) Nellore boasts a robust organizational structure that ensures the effective and efficient functioning of its administrative and academic operations. At the apex is the Governing Body, the highest decision-making authority comprising management representatives, the Principal, faculty members, and nominees from AICTE, JNTUA, and the industrial sector. This body approves various academic and administrative



initiatives, ensuring alignment with institutional goals.

The Principal, along with Heads of Departments (HODs) and sectional heads, actively participates in decision-making processes within their respective domains. The college encompasses various specialized departments, including Civil, Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), Mechanical Engineering, MBA, MCA, and others, each led by qualified HODs. The Administrative Officer aids the Principal in daily administrative functions.

To enhance academic and operational efficiency, NEC has established numerous committees and cells, such as the IQAC, Examination Cell, Training and Placement Cell, and Grievance Redressal Mechanism. Furthermore, the institution has a clearly defined Human Resource policy outlining service rules, recruitment, and promotion procedures. This comprehensive framework ensures stakeholder satisfaction and effective governance, reflecting NEC's commitment to excellence in education and administration.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://www.necn.ac.in/images/organan-NECN.jpg">https://www.necn.ac.in/images/organan-NECN.jpg</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>

**6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination**

**A. All of the above**



File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Narayana Engineering College (NEC) prioritizes the welfare and professional development of both teaching and non-teaching staff, fostering a supportive work environment. The institution implements a variety of effective welfare measures, including health insurance, regular wellness programs, and access to recreational facilities. These initiatives aim to promote the physical and mental well-being of staff members, contributing to their overall job satisfaction.

In addition to welfare programs, NEC offers numerous avenues for career development and progression. Faculty members have access to various training and development programs, including workshops, seminars, and conferences, enhancing their teaching skills and academic qualifications. The college encourages staff to pursue higher education and certifications, providing financial assistance and study leave where possible.

For non-teaching staff, NEC emphasizes skill development through targeted training sessions, enabling them to enhance their competencies and advance within the institution. The institution also conducts regular performance appraisals, which play a crucial role in recognizing and rewarding staff contributions, thereby motivating them to excel in their roles.

Overall, NEC's comprehensive welfare measures and career progression opportunities create a positive atmosphere that supports the professional growth of its staff, aligning with the institution's commitment to academic excellence.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/">https://www.necn.ac.in/</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

150

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

**6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year**

16

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)**

143

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 6.4 - Financial Management and Resource Mobilization

##### 6.4.1 - Institution conducts internal and external financial audits regularly

Narayana Engineering College (NEC), a unit of the Narayana Educational Society, places a strong emphasis on financial accountability by conducting regular internal and external audits. The internal audit is carried out by a dedicated team of qualified and experienced staff members who systematically review the institution's financial functioning. This internal audit team evaluates various financial operations to ensure compliance with established policies and procedures. The final report from the internal audit is submitted to the Governing Body for approval and ratification.

In addition to internal audits, NEC engages a reputable external audit firm to perform comprehensive financial audits at least once a year. This external audit covers all financial dealings, providing a thorough assessment of the college's financial practices. The objectives of both internal and external audits are to ensure that financial functions are executed systematically, promoting transparency and integrity in financial transactions.

The combination of internal and external audits not only enhances the institution's financial health but also instills confidence among stakeholders by ensuring that all financial activities are conducted with transparency and adherence to regulations. Through these rigorous auditing processes, NEC upholds its commitment to responsible financial management and accountability.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.necn.ac.in/IQAC/index.php">https://www.necn.ac.in/IQAC/index.php</a>

**6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)****5.87500**

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources**

Narayana Engineering College (NEC) has established a comprehensive strategy for mobilizing funds and optimizing resource utilization to enhance academic processes and infrastructure development. The primary source of funding comes from student fees, while any financial shortfalls are addressed through advances from the parent trust. The institution also seeks funding through research proposals, seed money specifically allocated for research initiatives, which aids in promoting innovation and scholarly activities.

Additionally, NEC generates revenue through consultancy services, collaborating with industries and organizations to provide expertise in various technical domains. This not only enhances the financial standing of the institution but also strengthens its ties with the industry.

Each year, the Principal prepares an institutional budget that considers both recurring and non-recurring expenditures. Academic and administrative heads, along with coordinators of different cells, are required to submit their budgetary needs for the upcoming financial year to the Principal. Major financial decisions are made by the Institute's Governing Body, ensuring strategic oversight.

Financial matters are closely monitored by the accounts office, which presents detailed statements of income and expenditure to the Finance Committee, including members from the academic committee and the Governing Body. This structured approach fosters transparency and ensures that resources are allocated effectively to support the institution's mission and goals.



File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://www.necn.ac.in/Income-and-Expenditure.php">https://www.necn.ac.in/Income-and-Expenditure.php</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The Internal Quality Assurance Cell (IQAC) at Narayana Engineering College (NEC) plays a crucial role in embedding quality assurance strategies within the institution, reflecting a steadfast commitment to continuous improvement.

### Post-Accreditation Quality Initiatives:

**NBA Accreditation:** In 2023, the departments of Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), and Electrical and Electronics Engineering (EEE) achieved NBA accreditation for three years, reinforcing the institution's dedication to high educational standards.

**Student Support Programs:** The IQAC initiated a full-fee concession policy for academically gifted students who do not receive government scholarships, thereby enhancing the quality of first-year admissions.

**NIRF Participation:** The IQAC has actively engaged in the National Institutional Ranking Framework (NIRF), promoting a culture of quality and transparency, which has led to gradual improvements in institutional rankings.

**Stakeholder Feedback:** Regular feedback collection from students, faculty, and alumni helps assess educational quality and identify areas for improvement, aligning practices with stakeholder expectations.

**Faculty Development Programs:** The IQAC organizes workshops to



enhance teaching methodologies, facilitating the integration of innovative practices that improve student learning outcomes.

**Research Initiatives:** By providing seed funding, the institution encourages research activities among faculty and students, fostering a vibrant academic environment.

**Audits:** Academic and administrative audits conducted and assess departmental performance against objectives, facilitating necessary corrective actions.

Through these initiatives, the IQAC at NEC effectively fosters a culture of quality assurance, significantly enhancing both academic and operational standards, and ensuring ongoing improvement in educational offerings.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/Approvals.php">https://www.necn.ac.in/Approvals.php</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

**The Internal Quality Assurance Cell (IQAC) at Narayana Engineering College (NEC)** plays a pivotal role in continuously reviewing and enhancing the teaching-learning processes through a series of strategic reforms aimed at maintaining high quality standards.

**Reform-1: Syllabus Compliance Every 15 Days IQAC Review:** Faculty members are required to submit biweekly reports on syllabus completion. The IQAC meticulously monitors these reports to ensure timely curriculum delivery. Outcome: This practice fosters accountability among faculty and ensures that the teaching process remains aligned with the academic calendar.

**Reform-2: Feedback on Facilities IQAC Review:** Regular feedback is solicited from students regarding the adequacy and condition of college facilities. Outcome: This proactive approach enables the administration to promptly address issues, thus enhancing the overall campus experience for students.

**Reform-3: Institutional Activity Code (IAC) Implementation IQAC**

**Review:** Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation. Outcome: This systematization enhances organization and accountability in managing various activities within the institution.

**Reform-4: MOOCS/NPTEL Integration into Curriculum IQAC Review:** The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum is strongly encouraged. Outcome: This initiative broadens students' learning opportunities and ensures that academic offerings are aligned with current industry standards.

Through these targeted reforms, the IQAC at NEC is committed to fostering a culture of continuous improvement, significantly enhancing the overall quality of education

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.necn.ac.in/IQAC/index.php">https://www.necn.ac.in/IQAC/index.php</a>

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-vi/Internal-Quality-Assurance-System/6.5.3-Rep-links.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-vi/Internal-Quality-Assurance-System/6.5.3-Rep-links.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 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 during the year

Narayana Engineering College (NEC) is dedicated to promoting gender equity through various initiatives that emphasize gender sensitization and support for female students. The curriculum incorporates topics like gender inequality, sexual harassment, and domestic violence, highlighting the importance of these issues.

To facilitate a supportive environment, the college has established a Women Grievance Cell and a Women Forum, both led by senior female faculty. Safety measures include an Internal Complaints Committee to address harassment complaints and self-defense classes such as Kung Fu, Karate, and Yoga, empowering students with essential skills.

Counseling services are vital, with faculty actively engaging female students on health and safety topics, often inviting healthcare professionals to raise awareness about personal hygiene. Additionally, NEC provides separate, hygienic common rooms equipped with washrooms and first aid facilities, ensuring a safe space for female students.

The institution promotes participation in government initiatives focusing on women's empowerment and conducts awareness campaigns and workshops on gender issues. Regular feedback from female students is collected to assess the effectiveness of these programs, enabling continuous improvement. Through these

comprehensive measures, NEC fosters an inclusive and empowering atmosphere, striving for equality and respect on campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://www.necn.ac.in/womens-forum.php">https://www.necn.ac.in/womens-forum.php</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

**Narayana Engineering College (NEC) has implemented a robust waste management system that emphasizes environmental sustainability and community awareness.**

**Solid Waste Management:**

**Segregation Practices:** Strategically placed dustbins for biodegradable and non-biodegradable waste encourage proper disposal.

**Biodegradable Alternatives:** The college uses biodegradable plates and steel utensils, reducing plastic waste.

**Composting Initiatives:** Seasonal dry leaves are composted for use as organic manure, promoting a circular economy.

**Recycling Programs:** Paper and recyclable materials are collected and sent to certified agencies, minimizing landfill contributions.

**Liquid Waste Management:**

**Efficient Disposal Systems:** Liquid waste is managed by a licensed biomedical waste agency, ensuring safe disposal.

**Zero Leakage Protocols:** The institution employs a municipal drainage system designed to prevent wastewater leakage.

**E-Waste Management:**

**Responsible Disposal:** E-waste, including batteries and damaged electronics, is sold to authorized recycling vendors.

**Green Campus Initiatives:**

NEC actively promotes greenery through tree planting drives, maintaining gardens, and ensuring a clean campus environment.

**Awareness Campaigns:**

Conducted by the CEA , these campaigns educate students and staff about waste management practices and the importance of sustainability, fostering a culture of environmental responsibility.

Through these initiatives, NEC not only manages waste effectively but also cultivates an environmentally conscious community.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

**A. Any 4 or all of the above**



File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

### 7.1.5 - Green campus initiatives include

<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li><b>1.Restricted entry of automobiles</b></li> <li><b>2.Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3.Pedestrian-friendly pathways</b></li> <li><b>4.Ban on use of plastic</b></li> <li><b>5.Landscaping</b></li> </ol>	<b>A. Any 4 or All of the above</b>
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File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<b>No File Uploaded</b>

### 7.1.6 - Quality audits on environment and energy undertaken by the institution

<b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3.Environment audit</b></li> <li><b>4.Clean and green campus recognitions/awards</b></li> <li><b>5.Beyond the campus environmental promotional activities</b></li> </ol>	<b>A. Any 4 or all of the above</b>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).**

**Narayana Engineering College (NEC) is dedicated to fostering an inclusive environment that promotes tolerance and harmony across various cultural, regional, linguistic, communal, and socio-economic diversities. To enhance inclusivity, the college implements several measures that reflect its commitment to this**

goal.

Cultural Exchange Programs allow students from different backgrounds to showcase their traditions, art, and cuisine, promoting mutual respect and understanding. Diversity Workshops are regularly conducted, focusing on equity and inclusion, encouraging open dialogue and raising awareness about the importance of embracing differences.

The establishment of Support Groups for marginalized communities provides a safe space for discussion and assistance in navigating academic and social challenges. NEC has also set up a Multilingual Academic Calendar, ensuring accessibility for all students regardless of their language background.

Additionally, the college hosts Interfaith Dialogues, fostering respect for different religions and beliefs while promoting peace and coexistence among diverse student groups.

Through these initiatives, NEC demonstrates its dedication to creating a nurturing environment that values diversity and fosters social cohesion, aligning with best practices observed in other institutions recognized for their commitment to inclusivity.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

**Sensitization Initiatives at Narayana Engineering College 1.**  
**Curriculum Integration: "Constitution of India" Course** The mandatory course on the Constitution of India equips students with knowledge of their constitutional rights and responsibilities, promoting awareness from the outset of their education.

**2. Celebratory Events** NEC commemorates Republic Day and Independence Day, focusing on the significance of the Indian Constitution through various programs, including cultural performances and discussions.

**3. Human Values and Ethics Cell** This cell organizes workshops and seminars aimed at instilling ethical values and responsibilities among students, ensuring they understand their civic duties as future leaders.

**4. Elocution and Debate Competitions** Regular elocution and debate events are held on topics related to civic rights and ethical responsibilities, fostering a culture of discussion and critical thinking.

**5. Code of Conduct** The institution has a comprehensive Code of Conduct for students and staff, reinforcing the importance of adhering to constitutional values and ethical behavior.

**6. Centre for Extension Activities (CEA)** Through CEA, students participate in community service projects, including cleanliness drives, which instill a sense of social responsibility and civic engagement.

These initiatives reflect NEC's commitment to nurturing responsible citizens who understand and respect constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

**Narayana Engineering College (NEC) actively engages students and staff through its Center for Extension Activities (CEA), promoting community welfare and social responsibility. Building on its existing initiatives, the CEA implements several additional activities:**

**Community Service Programs:** NEC organizes regular community outreach programs, including health camps, literacy drives, and food distribution to underprivileged sections of society.

**Environmental Awareness Campaigns:** The CEA conducts workshops and seminars focusing on environmental sustainability, encouraging students to participate in activities like tree plantation drives and clean-up campaigns in local areas.

**Skill Development Workshops:** Various skill enhancement programs are organized to equip students with practical skills, such as vocational training and entrepreneurship development, benefiting both students and the community.

**Collaboration with NGOs:** The CEA collaborates with non-governmental organizations for social initiatives, providing students with opportunities to engage in meaningful community projects.

**Volunteering Opportunities:** The center facilitates volunteer opportunities for students in various social, cultural, and environmental initiatives, fostering a sense of civic duty and responsibility.



**Awareness Programs on Health and Hygiene:** Regular health awareness camps are organized, focusing on hygiene, sanitation, and health education, benefiting the surrounding communities.

These initiatives reflect NEC's commitment to creating a positive impact on society while enriching students' educational experiences through active engagement in community service.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

**Best Practice 1: Continuous Syllabus Review** The IQAC mandates faculty to submit biweekly reports on syllabus completion, ensuring timely curriculum delivery. This practice enhances accountability among faculty, maintaining alignment with the academic calendar.

**Best Practice 2: Feedback on Facilities** Regular feedback from students regarding college facilities is solicited, allowing the administration to promptly address issues. This proactive approach significantly improves the overall campus experience.

**Best Practice 3: Institutional Activity Code (IAC) Implementation** Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation, enhancing accountability and organization within the campus.

**Best Practice 4: MOOCS/NPTEL Integration into Curriculum** The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum expands learning opportunities and aligns academic offerings with industry standards.

**Best Practice 5: Continuous Professional Development Programs** Regular workshops and seminars for faculty help enhance

pedagogical skills, ensuring they are well-equipped to deliver quality education.

**Best Practice 6: Community Engagement Initiatives** Active participation in community service fosters social responsibility among students, enhancing their awareness of societal issues and cultivating empathy.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.necn.ac.in/AOAR/2022-23/criterion-vii/Best-Practices/7.2.1-scan.pdf">https://www.necn.ac.in/AOAR/2022-23/criterion-vii/Best-Practices/7.2.1-scan.pdf</a>
Any other relevant information	<a href="https://www.necn.ac.in/">https://www.necn.ac.in/</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

NEC is known for its value-based education and has always been a pioneer in adopting the best practices in the field of education. The academic activities are customized to suit the students' requirements.

**1: Continuous Syllabus Review** The IQAC mandates faculty to submit biweekly reports on syllabus completion, ensuring timely curriculum delivery. This practice enhances accountability among faculty, maintaining alignment with the academic calendar.

**2: Feedback on Facilities** Regular feedback from students regarding college facilities is solicited, allowing the administration to promptly address issues. This proactive approach significantly improves the overall campus experience.

**3: Institutional Activity Code (IAC) Implementation** Each institutional activity is assigned an Institutional Activity Code for effective tracking and evaluation, enhancing accountability and organization within the campus.

**4: MOOCs/NPTEL Integration into Curriculum** The integration of Massive Open Online Courses (MOOCs) and NPTEL resources into the curriculum expands learning opportunities and aligns academic offerings with industry standards.

5: Continuous Professional Development Programs Regular workshops and seminars for faculty help enhance pedagogical skills, ensuring they are well-equipped to deliver quality education.

6: Community Engagement Initiatives Active participation in community service fosters social responsibility among students, enhancing their awareness of societal issues and cultivating empathy.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.necn.ac.in/index.php">https://www.necn.ac.in/index.php</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

1. Strengthen Industry Partnerships Sign additional MoUs with reputed industries to offer student internships and specialized training programs, providing practical exposure and industry insights.
2. Promote Research and Innovation Establish a dedicated research fund to foster interdisciplinary research projects, patent filings, and collaborations with national and international research organizations.
3. Foster a Start-up Culture Encourage entrepreneurship by offering workshops on innovation, securing external funding, and providing resources to support faculty and student start-up ventures.
4. Enhance Digital Learning Integrate ICT tools in teaching-learning processes. Faculty and students will be trained on platforms like Google Classroom to ensure effective content delivery and management.
5. Focus on Student Development Programs Provide leadership programs, career counseling, and extracurricular activities to support student growth and professional development, preparing them for future challenges.
6. Increase Faculty Development Programs Organize more faculty development programs to enhance teaching methods, pedagogical practices, and offer international opportunities for professional growth.
7. Strengthen Campus Placements Expand corporate outreach and improve student placement readiness through mock interviews, aptitude training, and industry-relevant skills development.
8. Enhance Community Engagement Undertake NSS and CSR projects

to address social issues, promoting societal awareness and responsibility among students and faculty.