



YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	NARAYANA ENGINEERING COLLEGE
• Name of the Head of the institution	G.Srinivasulu
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08612313842
• Alternate phone No.	08612313842
• Mobile No. (Principal)	9912355501
• Registered e-mail ID (Principal)	necnellore@necn.ac.in
• Address	NARAYANA AVENUE, MUTHUKUKUR ROAD, A K NAGAR POST, NELLORE, A.P.
• City/Town	Nellore
• State/UT	Andhra Pradesh
• Pin Code	524004
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	31/08/2020
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr Penchalaiah Padugupati
• Phone No.	9392901073
• Mobile No:	9392901073
• IQAC e-mail ID	iqac@necn.ac.in
3.Website address (Web link of the AQAR (Previous Academic Year))	http://www.necn.ac.in/pdf/AQAR2019-20Upload-IMG.pdf
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	http://www.necn.ac.in/Autonomous/index.php
5.Accreditation Details	

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A+	3.41	2019	14/06/2019	13/06/2024

6.Date of Establishment of IQAC	03/12/2015
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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.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Nil	Nil	Nil	Nil	00

8.Provide details regarding the composition of the IQAC:

<ul style="list-style-type: none"> Upload the latest notification regarding the composition of the IQAC by the HEI 	View File
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9.No. of IQAC meetings held during the year

02	
<ul style="list-style-type: none"> Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? 	Yes

10.Did IQAC receive funding from any funding agency to support its activities during the year?

11.Significant contributions made by IQAC during the current year (maximum five bullets)

1.IQAC took initiation to let the institute focus on NBA accreditation, by organization various programs related to NBA. 2.Timely submission of Annual Quality Assurance Report (AQAR) to NAAC 3.Encouraged and monitored effective teaching delivery with ICT usage and blended learning techniques for online classes during pandemic. 4.Number of placements is increased by enforcing more soft skill programmes and personality development programmes for students. 5.Organized qualitative initiative programs on model curriculum,, NBA process, Research Projects and NIRF

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:

Plan of Action	Achievements/Outcomes
Submission of AQAR 2019-20	AQAR was submitted within the deadline
Improving student placements and salary packages	The highest salary package got is 10 lacks and the number of selected students gradually increased
NBA accreditation for CSE, ECE and EEE branches	NBA pre-qualifier data submitted and accreditation is under process
Curriculum feedback from stockholders on NECR20 Regulations	Changes in the curriculum as per the feedback is under process and NECR21 will be released soon after approval of committee
Feedback collection and analysis on Teaching Learning Practices from students	It is identified that the attributes of TLP of teachers are gradually improved
Preparation and submission of AQAR 2020-21	Submission is under process.

13.Was the AQAR placed before the statutory body?

Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Governing Body	26/11/2021

14.Was the institutional data submitted to AISHE ?

Yes

- Year

Year	Date of Submission
02/02/2022	02/02/2022

Extended Profile

1.Programme	
1.1	10
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	2393
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	675
File Description	Documents
Institutional Data in Prescribed Format	View File
2.3 Number of students who appeared for the examinations conducted by the institution during the year:	659
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	553
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	151
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	151
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	372
4.2 Total number of Classrooms and Seminar halls	49
4.3 Total number of computers on campus for academic purposes	643
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	602.20575

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 have relevance to the regional/national/global developmental needs with well defined learning objectives and outcomes at programme and course level. The department and the institute are guided and monitored in the preparation of course curriculum by two bodies, namely Board of Studies and Academic Council and typically undergoes with the following: The Institute follows the guidelines issued by the regulatory bodies such as UGC, AICTE, affiliated university JNTUA, Ananthapuramu and Andhra Pradesh State Council of Higher Education (APSCHE)

while designing the curricula. The Institution has ensured a systematic procedure for the design, implementation and revision of the curriculum. The Primary objective of the college is to nurture High Quality Engineering Professionals to meet the global needs.

Factors for Curriculum Design:

The Curriculum is thoughtfully designed to ensure that the students gain not only the required domain knowledge but also the appropriate skills and attitudes for being globally competitive and workforce-ready. The Curriculum is designed taking the best of the following resources:

- Curriculum of various reputed Universities
- Model curriculum as prescribed by the AICTE
- Expectations of the parents, aspirations of the students & alumni and demand from the industry

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://www.necn.ac.in/ECE/index.php

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	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

553

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	View File

1.2 - Academic Flexibility

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

296

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

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 is making continuous efforts to integrate cross cutting issues into the curriculum. The curriculum designed by the college in itself, has included many of these aspects such as the subjects namely Gender sensitization, Universal Human values, professional Ethics in Engineering, Environmental Sciences etc. in all UG programmes. Apart from enhancing professional competencies these aim to inculcate general competencies viz., social values, human values, environment sensitivity and such others, thereby leading to a holistic development of students.

Gender sensitization is as part of the curriculum by the university, which covers Gender inequality, declining Sex ratio, sexual Harassment, domestic violence etc.

A course on Environmental Sciences has been included in the curriculum in I year I Sem and II sem. Students are given inputs for promoting various environmental issues like Natural resources, ecosystems, biodiversity and its conservation, environmental pollution, waste management etc. Field visits as part of their assignment are conducted to study various environmental issues.

A course on Human values and Professional Ethics in Engineering mainly deals with the ethical aspects for the prosperity of organization and for personal development of students. This course explains various steps to lead the life towards holistic and value based living.

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	View File
Any additional information	View File

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

13

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	View File

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

13

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

904

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File

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	http://www.necn.ac.in/AQAR/criterion-i/Feedback-System/2020-21%20FBC%20Reports.pdf
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	http://www.necn.ac.in/AQAR/criterion-i/Feedback-System/2020-21%20FBC%20Reports.pdf
Any additional information	View File

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

713

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

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)

685

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

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 facilitates special learning, based on the academic capabilities of each student by analyzing their learning levels after admission. Initially, after the admission, prior to the commencement of the course at the beginning of programme, Intermediate marks are taken into consideration to assess the learning levels of the students. The Faculty analyzes the students for their learning levels through a pre-defined procedure based on intermediate marks and classify the students into the slow and advanced learners.

Bridge courses are conducted for the first year students at the beginning to enable smooth transition from intermediate to engineering.

Activities for slow learners -

Extra classes are taken for the required subjects.

Question bank with key is provided.

They are counseled and offered guidance in various academic activities.

Encouraged to improve their academic performance by paying special attention in class.

After mid examination, based on the performance, remedial classes are conducted.

Self learning sessions are arranged.

Activities for advanced learners -

Special program on C language is conducted.

Personality Development Classes

Extra books are provided in the library.

They are encouraged to refer NPTEL videos, e-books

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/ECE/index.php

2.2.2 - Student - Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	2393	151

File Description	Documents
Upload any additional information	View File

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:

The college emphasizes on student-centric approach in teaching learning process which includes learning experiences.

- Experiential Learning
- Lab Experiments
- Industrial visits and field trips
- Internships
- Project exhibitions
- Participative Learning
- Active learning Methods
- Conferences and Symposia
- Student clubs
- Problem solving methodologies

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://www.necn.ac.in/index.php

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

Institution encourages intensive use of ICT tools and online resources for effective teaching learning processes.

All classrooms, seminar halls, laboratories and auditoriums are equipped with ICT facilities which include LCD projectors, computers with internet .

All the faculty members had to adopt innovative teaching methods to ensure effective learning outcomes. The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes.

The staff and students have access to technology and information retrieval on current and relevant issues. Faculty members use working models, charts, PPTs, videos, and animations to present the important/difficult theoretical concepts.

Faculty also uploads videos, PPTs, tutorials; assignments lecture notes and other relevant materials through LMS (Learning Management System).

The Institute subscribes to various online resources like IEEE, Digital Library and DELNET. Faculty members are encouraged to use the NPTEL videos for a better teaching-learning environment.

Institution motivates both students and faculty to register for MOOCS platforms.

A media centre is established to develop learning materials in the form of e-content.

Digital library provides facilities to access e-resources, e-journal articles, e-books and OPAC to check the catalogue of library resources.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	http://www.necn.ac.in/AQAR/criterion-iv/Physical-Facilities/4.1.3-1.pdf
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

143

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

Some of the students are studying under Autonomous regulations and the remaining are studying under JNTUA. Our college has to adhere strictly to the Academic Calendar issued by the JNTUA for students studying under JNTUA. University at the beginning of each semester releases the academic calendar. It Includes details of different spells of instructions, schedules for mid examinations, preparation and Practical's, End Examinations and they also include commencement date of class work for next semester. Principal convenes CAC meeting and prepares an Academic Calendar in line with the university Academic calendar reflecting the activities or events planned by the College and Departments.

The institution, at the beginning of each semester, prepares Institutional Academic Calendar and Departmental Academic Calendar for students. The Institutional Academic Calendar is released by IQAC and Departmental Academic Calendar issued by concerned department. It includes various curricular, co-curricular and extracurricular activities

The institute strictly adheres to the academic calendar in conducting the internal examinations in Theory, Labs, audit courses, Term Work, Career Competent Development, Technical Seminars, Projects, comprehensive on line examination etc.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

151

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File

List of the faculty members authenticated by the Head of HEI	View File
Any additional information	View File

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

26

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	View File
Any additional information	View File

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

951

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

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

41.5

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

57

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	View File

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 Institute follows the guidelines prescribed by the JNTU, Anantapur for conducting the Continuous Internal Assessment for all the admitted batches till 2019-2020. The college has got autonomy status from the academic year 2020-2021. The Institute offers Various skill oriented and socio relevant courses are made part of the evaluation besides the standard category courses. The academic performance of a student in each semester shall be evaluated course wise using two Assessment tools CIE & SEE. Each course shall be evaluated for a maximum of 100 marks. The distribution of marks shall be 40 marks for CIE and 60 marks for SEE. Question paper setting done by covering all the syllabus with internal choice. Scheme of evaluation will be done by Subject Expert for the uniformity. CCTV Surveillance system was introduced for continuous monitoring of all examination works. Encoding and decoding of answer booklets done with confidentiality. The Automation of examination management system was introduced for reliability, efficiency and accuracy in the entire process. The features of Examination Management System involves in various process of Examination & Evaluation.

Detailed information on EMS is provided in additional information.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.necn.ac.in/academic-regulations.php

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 strict compliance with the objectives of OBE, the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the concerned departments. After attainment of process, the same are widely propagated and publicized through various means such as display and/or communication specified hereunder.

- Website

- Curriculum /regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings
- Library

While addressing the students, the HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, also inform the students and create awareness and emphasize the need to attain the outcomes.

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program.

The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course.

The POs/PSOs and COs of the programme are published through electronic media at individual Department site located on the college website www.necn.ac.in. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	http://www.necn.ac.in/pdf/Manual-PEO-PO-PSO-COs.pdf

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

- List of Assessment Tools and processes:
 - Attainment of POs and PSOs is based on direct assessment tool as well as indirect assessment tool.
- Direct Assessment Tool:
 - Direct assessment of POs and PSOs is based on the students' performance in both internal examinations and university examinations for all courses.
 - Performance of all the students in different assessments such as internal examinations and university examinations lead to attainment of COs which in turn lead to attainment of POs and PSOs based on the mapping of COs with POs and PSOs.
 - Direct Assessment Tool is given 80% weightage in the attainment of POs and PSOs.
- Indirect Assessment Tools:
 - The indirect assessment tools that are used for attainment of POs and PSOs are
 - Graduate Exit Survey
 - Alumni Survey
 - Employer Survey
 - Direct Assessment

CO Attainment Level = $\text{Sum}(\text{Each CO-PO Mapping} / 3) \times \text{CO Attainment Level} / \text{Total Number of COs Mapped}$

- Indirect Assessment:
-

= $\text{No. of Hights} \times 3 + \text{No. of Moderates} \times 2 + \text{No. of Lows} \times 1 / \text{Number of Students.}$

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necn.ac.in/index.php

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

580

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	http://www.necn.ac.in/AQAR/criterion-ii/Student-Performance-and-Learning-Outcomes/2.6.3.2.pdf

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

<http://www.necn.ac.in/AQAR/criterion-ii/Student-Satisfaction-Survey/2.7.1.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 Institute has a well-defined policy for promoting and incentivizing research. Research is promoted at department levels through curriculum based undergraduate projects and internship projects. A Research committee is constituted to take care of various issues of research including ethical matters. The committee consists of Principal, R&D Coordinator, HOD of respective departments and Subject Experts. Research and Development (R&D) Cell was established in the institute with necessary software and computing facilities for carrying out research activities. R & D cell will receive applications seeking research proposals from the interested faculty and students. The received applications will be scrutinized by the committee and suitable proposals will be granted the seed money.

The institute library is equipped with quality journals, e-journals, e-books from various disciplines. It helps to provide a good platform for quality research. The Institute encourages the participation of the faculty members in seminars, conferences, workshops, etc. at national and international levels by reimbursing registration fee/TA/ DA. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of the patent filing process, which is governed by the Research policy of the institute.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.necn.ac.in/r-d-office.php
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)

2.15

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

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	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	View File

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)

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	View File

3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	View File

Paste link for additional Information	http://www.necn.ac.in/AQAR/critertion-iii/Resource-Mobilization-for-Research/3.2.2.pdf
List of research projects during the year	View File

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	View File
Institutional data in Prescribed format	View File

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

0

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	http://www.necn.ac.in/AQAR/critertion-iii/Resource-Mobilization-for-Research/3.2.4.pdf
Any additional information	View File

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 Institution provides a conducive environment for promotion of Innovation and Incubation. The ecosystem for innovations contains the following dedicated cells:

1. Research and Development Cell
2. Entrepreneurship and Development Cell
3. Center for Extension Activities
4. National Service Scheme
5. Innovation incubation Cell
6. Intellectual Property Rights Cell

The institute has developed an ecosystem for innovations by creating research culture, developing industry & research projects and transferring knowledge through customised programmes, such as:

- Awareness programs, Technical Symposium, Management meets, workshops, Seminars and guest lectures on Entrepreneurship, Research Methodology, Intellectual Property Rights (IPR) etc are organized.
- The Entrepreneurs are invited to address the students and inspire them.
- Code of ethics to ensure quality and legitimate practices in research.
- Faculty and students are encouraged to actively involve in serving the community through extension activities like awareness for environment issues, blood donations, and social issues through various outreach programs under CEA/NSS.
- Students are provided facilities to build prototypes and Project Expos are organised for promotion of socio relevant models. Students are awarded cash prizes for best models and encouraged to gain hands-on experience and better Industrial Exposure.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/index.php

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

4

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	View File

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures 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

A. All of the above

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	View File
Any additional information	No File Uploaded

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

01

File Description	Documents
URL to the research page on HEI website	http://www.necn.ac.in/AQAR/critertion-iii/Research-Publications-and-Awards/3.4.2.pdf
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

84

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

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

50

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necn.ac.in/AQAR/critertion-iii/Research-Publications-and-Awards/3.4.4.pdf

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

0

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

0

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

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

17.62018

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	View File

List of consultants and revenue generated by them	View File
Any additional information	View File

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

0.81 Lakhs

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	View File
List of training programmes, teachers and staff trained for undertaking consultancy	View File
List of facilities and staff available for undertaking consultancy	View File
Any additional information	View File

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 institution gives lot of importance to holistic development of students and organized many community development activities during the last five years. Number of students from the institution has taken part in the community service activities, regularly organized through various support systems of the institution, having got sensitized towards social issues. The institute promotes neighborhood network for enabling students to get involved in extension activities. These activities develop students into ideal citizens bearing high moral values and providing community service. To sensitize students, Cultural and NSS cells play pivotal role. Faculty members of these committees introduce students to various activities throughout the academic year.

Involvement in such Community service activities helps students to become matured and socially responsible. Students are motivated to participate in need based extension activities, such as 'Swachh Bharat', awareness programs etc. Participation in such activities imbibe sense of national integrity, environmental and social responsibility among students. These activities help to sensitize and inculcate ethical behavior among the students.

Institute arranges health check-up and blood camps in association with other institutes and recognized bodies like Red Cross, Govt. Hospital, Lions club. These lead to emotional, intellectual, social, and inter-personal development of students.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/nss-activites.php

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

12

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

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)

30

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

2405

File Description	Documents
Reports of the events	View File
Any additional information	View File

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**

82

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

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)

30

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

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.

Infrastructure and Physical Facilities for Teaching-Learning**E-Class Room**

Projectors in every class rooms

Details of classrooms and seminar halls with ICT-enabled facilities such as smart boards, LMS, etc

Wi-Fi Campus

Campus is having 100 MBPS of high speed internet facility.

Central Library

Narayana Engineering College houses a centralized and advanced library among department-exclusive ones for references and research throughout print and online media.

Auditorium

Our Campus has a fully Air-conditioned Auditorium that can accommodate over 500 members with full fledged audio and video equipment

Gym

Qualified gym instructor is available round-the-clock to train students specifically for their respective sports. This gym has separate timings for men and women.

Potable Water Supply

The institute provides clean and hygiene drinking water to all the students and staff members. Institute takes utmost care in providing safe drinking water. Institute has a water tank capacity of 10,000 liters per day.

Canteen

College has a beautiful canteen which can accommodate 400 students, with separate dining facility for Boys and Girl Students. Canteen has in house kitchen to cater the needs of students.

Other Facilities

- Fire Safety
- Grid Connected Solar System
- Vehicle Parking
- Sports Complex
- Backup Electrical Supply

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/facilites.php

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 institute focuses on overall development of the students through participation in co-curricular and extra-curricular activities. Cultural activities are conducted in the seminar halls, Auditorium and open air theatre of the institution.

Sports and Games

Institute has employed a well-qualified and experienced physical director, who trains and supervises students actively participating in various sports and games activities and competitions. Physical Director trains the students in their chosen games in the time-slot allocated to them. The institute has a spacious and well equipped indoor-sports room, where students can play games like table tennis, chess, caroms etc.

Yoga Centre

The institute has dedicated centre for Yoga and meditation to enable the faculty and students to practice Yoga and meditation for improving their mental and physical health.

Gymnasium

The institute has a dedicated room for Gymnasium with facilities like 8 stationed gym, Treadmill, Cycle, abdominal bench, Twister, bench press, dipping bars, weights, dumbles etc.

Cultural Activities

All the seminar halls and auditorium are provided with adequate facilities to conduct various cultural activities. Cultural activities are conducted in these seminar halls and auditorium on different occasions like fresher's day, farewell day, Annual day and on such other important occasions.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/facilites.php

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

49

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

151.73332

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library of the institution is equipped with Library Management System services; which is automated through a software program, designed and developed by our own team. ILMS Software Package is an Integrated Library management System (ILMS) with Barcode Scanner that supports all in-house operations of the library.

Name of the ILMS Software: Library Management System Software (LMS)

Nature of Automation: Fully Automated

Version: 2.0

Year of automation: 2007

Library Management system (LMS) software with all the functional modules of library management is completely installed and has the following modules:

1. Cataloging: Bibliographic data, Primary and Search catalogue

2. Circulations or Transactions: Material Transactions, Member Registration, Fine Transaction, Toppers category change, SMS Alerts for Defaulters and Extra Books provision for Final Year Students

3. Reports: Material Search, Book Search on Accession Number, Member, Abstract Material, Title Summary for Material, Transaction Material, Binders, Material Book and Old Transaction Reports
4. Masters: Holidays Master, Barcode Generation and Binder Master
5. Journals: Journals Transaction
6. Graphs: Graph for material/ member transaction
7. Web Online Public Access Catalogue (OPAC): Search by Author, Title, new arrivals and Journals
- Library web OPAC link is provided on college website <http://45.123.0.154/ltouchnecn> to students and faculty for searching library materials.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://45.123.0.154/ltouchnecn

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	View File
Upload any additional information	View File

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

15.12092

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

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

205

File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	View File

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

The institute has an IT policy in place which specifies clearly about the procedures to be adopted for all IT facilities that are made available in the campus. Adequate budget allocations are made regularly to establish, maintain, and upgrade these IT facilities. IT facilities include computing systems, Wi-Fi systems, cyber-security, intranet, internet, and all other software necessary for handling these systems as well as support systems like website, campus management software, library information system, MOOCs, CCTVs, biometric devices, LMS, online assessments, access to online learning resources. College has a clear policy to create and enhance IT facilities to promote vertical and horizontal mobility for advancement in teaching learning methods and also in Research. The College updates the IT facilities on a regular basis. The connectivity through a fully network available campus with updated IT infrastructure, computing and communication resources, offers students the facilities of e-mail, netsurfing, up/down loading of web based applications, besides helping them in preparing for the projects and seminars. College has State-of-the-Art labs with sophisticated servers, provides highly interactive learning environment with full-fledged hardware and software training facilities. All Labs and Central Computing facilities are connected to LAN and Internet has been provided to all computer labs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/facilites.php

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
2393	643

File Description	Documents
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Upload any additional information		View File
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	View File	
Upload any additional information	No File Uploaded	
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	View File	
Paste link for additional information	http://www.necn.ac.in/AQAR/critertion-iv/IT-Infrastructure/Media%20Center-1.mp4	
List of facilities for e-content development (Data Template)	View File	

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)**

602.20575

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	No File Uploaded

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.

Infrastructure Facilities, Maintenance and utilization is carried out with the active support and involvement of in-charges of the concerned department. Maintenance of Civil Works is looked after by the Administrative Officer (AO). He is in-charge for four divisions namely water, sewage, carpentry and Gardening. Equipment in the Laboratories is maintained by the respective Lab In-Charge(s) as per the guidelines issued by HOD. The Computers and Software are being maintained by the system administrator of CSE department. Electrical maintenance is looked after by the HOD of EEE department and equipment is being maintained by trained technicians. Library is headed by the LIO. The issue and return of books and maintenance of LMS software are carried out by the librarian and supporting staff. Physical education is facilitated by the physical director to train the students. The physical Director makes the play fields ready for Indoor & outdoor games. The college health center is governed by the qualified Medical officer and it is supported by a professional pharmacist and a nurse. The Security system of the college is headed by the AO. Security officer along with security guards control and monitor the college premises.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necn.ac.in/facilites.php

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**

1249

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

478

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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	http://www.necn.ac.in/AQAR/criterion-v/Student-Support/5.1.3%20ALL.pdf
Details of capability development and schemes	View File
Any additional information	View File

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

1428

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

189

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

13

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	View File

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

15

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

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

12

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

The Institute has a student council constituted with academically strong students as its body. Student councils consist of HoDs, Faculty and students from UG and PG programs. The Institute also encourages participation of student representatives in various decision making, academic and administrative committees, this enables them in acquiring a better academic environment. Student Councils are actively participating and organizing various activities related to curricular, co-curricular and extracurricular activities, with the guidance of faculty. Students take part in various professional society chapters like IEEE, ISTE, CSI, etc. Also student members are involved in several Institute and Department level committees with active participation.

Various student councils actively working in the college are:

- Class Committees
- Course Committees
- Internal Quality Assurance Cell (IQAC)
- Department Student Association Committees
- Women's Forum
- Internal Complaint Committee
- NSS/CEA
- Professional Chapter's Committee
- Industry Institute Interaction Cell
- Library Committee
- Anti-Ragging Committee
- Canteen Committee
- Clubs
- Placement Cell
- Human Values and Ethics Cell
- Sports Committee
- Innovation and Incubation Cell
- Transportation committee

In addition to the above, the students actively involve in organizing Technical/Management/Cultural/National Level Sports fests with various concerned committees.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/department-association.php

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

32

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

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 institute has established a "Narayana Engineering College Alumni Association" (NECAA) Nellore on 18th December, 2007 under the Society Registration Act, XXXV of 2001 with registration No -461/2007. The Alumni committee organizes the Annual Alumni meet yearly once. NECAA organizational structure has President, Vice-President, Secretary, Joint-Secretary, and Treasurer. Alumni Incharge appointed to organize and monitor different activities of the Alumni Association. Alumni share their past and present experiences as well as recalls their memories in the institute with their teachers, juniors, and friends.

Alumni participate and contribute to the development of the institute in the following ways:

- They intimate the current scenario for placements, expectations from the industry, and potential job opportunities.
- Alumni members are invited to deliver guest lectures and also as the resource persons for workshops and seminars on recent trends in technology.
- Feedback from Alumni is taken periodically to understand the curricular gaps and recent market trends.

- They support in conduction of industrial visits at their organization.
- Alumni provides the sponsorships for different events organized by the institute every year.
- Alumni members actively participate as judges in various technical and non-technical competitions organized by the institution.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.necn.ac.in/alumni-office.php

5.4.2 - Alumni's financial contribution during the year A. \geq 15 Lakhs

File Description	Documents
Upload any additional information	View File

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 empowered team of the college involves Principal, convener of different committees, Teaching-staff, IQAC committee, non-teaching / supporting staff, student representative, stakeholders, alumni etc.

The principal monitors the mechanism regarding administration and academic process. It also ensures proper functioning of the policies, rules and action-plans of the college. There are many committees to support the vision and mission of the college.

For example, these are IQAC, Examination cell, CEA, NSS, career counseling cell, library and sports committee, cultural and literacy committee, internal examination committee, anti-ragging committee, college-magazine committee, disciplinary committee, grievance redressal committee, R & D cell etc.

All the committees take its responsibility for the plans and activities, and successfully tackle these responsibilities in every academic session.

For academic performance meetings with HoD's and faculty of various departments is done. Also, the teaching-progress is checked monthly by lecture dairy. Principal continuously monitors each room individually by CCTV installed for teaching-class, class room activities, movement of students in veranda and outside of the campus. The perspective plans are implemented by principal with finance committee, headed by him/her self. It deals with the finance received for the various grants and amount received from other sources from overall development and maintenance of college

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.necn.ac.in/pdf/AICTE%20MANDATORY%20DISCLOSURE%20-%20FINAL%20MODIFICATION.pdf

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

Effective leadership is reflected in various institutional practices such as decentralization. Decentralization and operational transparency are the features of the institute.

The institute having been a support for participative management achieved it involving faculty and students. Thus it formed policy of participative management as it forms part of democratic governance. The Governing Body considering the same as a quality promotional policy for the improvement of the institution has accorded to its approval.

The college works as per the rules and regulations framed by JNTUA and governing Body in designing and implementation of the quality policy and plans. The Principal is the Head of the institution and is empowered with sufficient authority and power delegated from the management for smooth functioning of day-to-day activities. Under the direct supervision of Principal all the departments of the college function. Day-to-day academic activities of the departments are taken care by the HODs. The Principal, as a representative of the college, leads its faculty members and HODs in all academic matters. He encourages and cooperates the HODs and faculty members in ensuring a proper academic environment in the college which may benefit the students.

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

6.2 - Strategy Development and Deployment

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

Institutional Strategic/ Perspective Plan

The following are the major elements of Strategic/ Perspective Plan of Narayana Engineering College, Nellore.

CORE VALUES

NECN focused on eight core values detailed below:

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

NECN Leadership Team after brain storming on the vision, mission, quality policy, core values, stakeholder's expectations and SWOC analysis arrived at the step to establish Institution Strategic Goals (ISG)

1. Ensuring good governance
2. Establishing effective teaching learning process
3. Developing leadership and participative management
4. Developing financial management
5. Put emphasize on Industry - Institute interaction
6. Development of entrepreneurship
7. Encouraging research and innovation work
8. Establishing Internal Quality Assurance System
9. Ensuring student's development and participation
10. Ensuring staff development & welfare
11. Increasing Alumni Interaction
12. Engagement in Community Services and Extension Activities
13. Developing physical infrastructure
14. Getting accreditations from statutory bodies

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.necn.ac.in/pdf/Strategic%20Plan.pdf
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.

NECN Nellore has a well established organizational structure to execute smooth functioning of administrative and academic areas. Various bodies are formulated which constitute the organizational chart. Governing body is the highest decision making body constituting members from the management, Principal, faculty, members from AICTE, JNTUA, State Government and other nominees from Educational and Industrial sectors. The Governing body approves the various academic and administrative activities of the college.

Principal, Heads of the Departments, sectional heads and co-coordinators of various committees have adequate participation in making decisions in academic and administrative functions under their purview. The organization has various departments based on specializations like Civil, EEE, ECE, CSE, Mechanical, MBA, MCA, FED, administration, Library, Physical education, TP Cell, Exam Cell etc which are headed by respective HODs. Administrative Officer assists the Principal in the day to day administration of the college.

For the academic and administrative convenience and to assist the Principal, HODs and AO, various cells and committees are constituted. College has a clearly defined HR policy which includes service rules, procedures, recruitment and promotional policy. To maintain the harmony and satisfactory levels of all the stake holders, the institution has an effective Grievance Redressal mechanism.

File Description	Documents
Paste link to Organogram on the institution webpage	https://www.necn.ac.in/pdf/organisation.pdf
Upload any additional information	View File

Paste link for additional Information	https://www.necn.ac.in/index.php
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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	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	No File Uploaded

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

In the college effective welfare schemes for its teaching and non-teaching staff are considered. The various welfare schemes are as follows:

Teaching Staff:

- Group Mediclaim Policy
- Cell-Phones Bills
- Dispensary Facility
- Bus Facility
- Provident Fund
- ESI Contribution
- Medical /Maternity Leaves facility
- Academic leave for attending PDPs'
- Financial support for participation in PDPs'
- Sponsorships to attend and present papers in conferences.
- Membership fee to Professional Chapters
- Subsidized Canteen
- Yoga and recreation Classes
- Fee Concession for staff Children's
- Best Teacher Award
- All the non-doctoral staff members are encouraged to get enrolled for a part-time Ph.D. program.
- Subsidized on medical facilities in Narayana Medical Hospital
- Internet and free Wi-Fi facilities are also available in campus for staff
- Faculty members are provided with an Individual cabin and computer system.

Non Teaching Staff:

- Provident Fund and ESI
- Bus Facility
- Medical Leaves facility
- Maternity Leaves facility
- Subsidized Canteen
- Skill development courses are organized for non- teaching staff to enhance their skills in the work environment.

Dispensary Facility

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/index.php

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

86

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

31

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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.)

107

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Narayana Engineering College (a unit of Narayana Educational Society) ensures that the internal and external audits are conducted. Both the audits are done on all the aspects of financial functioning of the institute to make sure that the same are carried in a systematic manner. The institute has a dedicated internal audit team consisting of well qualified and experienced staff members to carry out internal audit duties. Internal audit team conducts auditing of the Institute's functioning to assure that the set of functions of the institution are carried out in a proper manner. Final internal audit report will be submitted to the Governing body for its approval and ratification.

Apart from the internal audit, the institute engages a reputed firm/agency for conducting external audit in the institute. Such firm or agency conducts its audit normally once in a financial / academic year. External audit conducts detailed audit on all the financial dealing carried in the institute. These both audits' aim and objective is to ensure that all the financial functions are carried in a very systematic manner in line with the policy and procedures laid down by the institute. Both internal and external audits provide transparency in the financial transactions.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/IQAC/index.php

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)

1.35

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

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

The institute possesses a well-defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development:

- The funds are generated through the fees paid by the students. Deficit is managed by taking advance from the parent trust. Additional funding is obtained from funding agencies through Research proposals. These funds are utilized for the research and laboratory development.
- Institutional budget is prepared by Principal every year taking into consideration of recurring and non-recurring expenditures.
- Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year along with this all coordinators of different cells are instructed to submit their budget to Principal.
- All the major financial decisions are taken by the Institute's Governing Body (GB).
- As and when urgent requirements arise it is given after sanctioned revived from central office.
- Financial matters are closely monitored by the accounts office. A statement of accounts containing details of income and expenditure, including budgetary is placed in front of the Finance Committee steered by principal, which has academic committee and governing Body members for further processing.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.necn.ac.in/index.php

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)

IQAC of the institute has been functional and is proactive in quality enhancement by its regular and systematic review.

Post-accreditation Quality Initiatives:

1. Academic Regulations NECR20

As the college has got its autonomy, the institution has introduced new Regulations NECR20 from the academic year 2020-21, and best practices suggested by IQAC were incorporated.

Improvements:

Bridges the gap between academia and industry.

2. Full-Fee Concession

Under students' support and progression policy, IQAC recommended the college to offer 100% fees concessions to academically strong students and do not receive benefits from the government.

Improvement(s):

Quality of first year admissions has been improved.

3. Participation in NIRF

With the objective of enhancing the quality culture and to be aware of college rank among the institutions, IQAC has conducted seminars on NIRF as a qualitative initiative.

Improvement(s):

The institute is going to participate in NIRF for the academic year 2020-21.

4. Academic and Administrative Audit (AAA) :

The institution takes AAA of each department and various cells/committees against the proposed plans made, at the end of each semester by an internal audit committee and by an external audit committee at the end of the year.

Improvement:

Departments and cell/committees have been constantly improving their academic and curricular/co-curricular/extra co-curricular performances.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/IQAC/index.php

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 institutional reviews of the implementations for various Teaching Learning reforms facilitated through IQAC are described below.

Reform-1: Mandate of ICT Usage

IQAC Review: The use of ICT tools has become an integral part in the teaching -learning process. IQAC always reviews and enforces teachers to utilize these tools in classroom teaching and laboratories.

Outcome: It became a quality mandate to all the teaching staff to include/adopt ICT tool usage plan in their lesson plans.

Reform-2: Micro Lecture Schedules

IQAC Review: Every teacher gives a micro lecture delivery plan for his course at the commencement of the semester. IQAC monitors its compliance with academic calendar and enforces effective course delivery.

Outcome: Effective and efficient curriculum delivery within stipulated time and led to better learning outcomes.

Reform-3: Student Feedback

IQAC Review: IQAC has reviewed the teaching learning reforms facilitated through comprehensive performance systems by the following student feedback schemes:

- Feedback on Teaching and Learning Process (TLP)
 - 1. Online Student feedback
 - 2. Student feedback on TLP

- Feedback on Curriculum (Included in NECR20)
- Student Satisfaction Survey (SSS)
- Result Analysis

Outcome: The reports of analysed feedback is submitted to the principal, NEC Nellore for action taken/appreciation and the same is published in the college website.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necn.ac.in/IQAC/index.php

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	http://www.necn.ac.in/AQAR/critertion-vi/Internal-Quality-Assurance-System/Annual%20Report-2020-21.pdf
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	View File

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

The Institute believes in gender equality and makes effort towards Gender sensitization. The institute included Gender sensitization related ethics and value courses in the curriculum itself, which covers Gender inequality, sexual Harassment, domestic violence etc.

The institute constituted the following cells which is led by senior and caring female member:

- Women grievance Cell
- Women forum

Facilities provided for women are:

Safety and Security:

*As per guidelines of AICTE, for Redressal of sexual harassment at women at workplace, Internal Complaints Committee has been constituted.

*Under capacity skill development the institute organizes Kung- Fu, Karate and yoga classes

*Encourages the female students to participate in various gender equity and sensitization promotional activities conducted state/central government, like downloading disha app.

Counselling:

*Institute encourage faculty to counsel girl students in class to educate about sexual harassment, girls health, anti-ragging, gender equity etc.in cordial and cooperative manner

*For personal hygiene awareness, medical lady doctors, gynaecologists are often invited to interact with students.

Common Rooms:

*College maintains hygienic separate rooms for the rest and recreation among girl students.

*The common room has attached washroom and safe sanitary disposal facilities.

*The college has a common room where first aid facility is provided at hand.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necn.ac.in/AQAR/critertion-v/Student-Support/5.1.5.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas

A. Any 4 or All of the above

**plant Wheeling to the Grid Sensor-based energy conservation
Use of LED bulbs/ power-efficient equipment**

File Description	Documents
Geotagged Photographs	View File
Any other relevant information	View File

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)

The institution have been taken various measures to restrict the generation of waste are Bio degradable plates, steel plates are used instead of plastic plates and steel spoons replace the plastic spoons.

The institute follows practices for handling degradable and non-degradable waste are:

Solid waste management:

- For collecting the solid waste from nook and corner of the campus, substantial numbers of dustbins are installed.
- Most of the waste collected is biodegradable. The minimal amount of non biodegradable is mostly burnt in pits.
- During the autumn season a large quantity of fallen dry leaves are collected and dumped to decompose in a pit which is used as manure for trees and plants.
- Paper waste , scrap and garbage generated are collected separately and are given to the external agencies for recycling

Liquid waste:

- All the liquid waste from washroom, bathroom is given to a biomedical wash agency having regular pickup service.
- Waste water generated is managed through the Municipal drain system.
- Zero percent leakage of waste water is ensured.

E- Waste management:

The college has minimum e-waste. The waste if any like condemned batteries and damaged computers etc are sold to vendors.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
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	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

A. Any 4 or all of the above

the following:

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	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	No File Uploaded

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	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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).

The institution has always been in the forefront of sensitising students to the cultural, regional, linguistic, communal and socioeconomic diversities of the state and the nation. In pursuit of achieving this goal, institution is undertaking various initiatives such as conducting the birth anniversary of eminent personalities as well as National Festivals.

NSS, NCC and Club activities provide an inclusive environment by bringing students and teachers with diverse backgrounds. These initiatives help in developing tolerance harmony towards cultural, regional, linguistic, communal, and socioeconomic diversities. Making the courses on Constitution of India and professional ethics mandatory to all UG programs is another initiative which contributes to the above goal. Yoga classes are conducted for staff and students to create awareness on health. Masks are distributed to MPUP school children for protection from Covid-19 and clay Ganesh Idols are distributed to improve the eco-friendly environment. Awareness program is conducted on Single Plastic Usage and Swachh Bharat.

Awareness on DISHA App is conducted and an awareness program on Helmet Usage and Prevention of Road Accidents is also conducted to the public. Medical camps are regular practice and in the process with collaborations from Rotary, Lions club.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

Our institution takes all possible initiatives in organizing various events to nurture the students and staff to become responsible citizens of the country by sensitizing them to the constitution of the country. The curriculum itself contains the course "Constitution of India" as a mandatory one to sensitize the students about constitutional obligations. Every year Republic day & Independence Day and other sensitization activities are celebrated by highlighting the importance of Indian Constitution.

The institution has Human Values and Ethics cell, which takes many initiatives like conducting awareness campaigns, seminars and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution/ Debates activities.

Code of conduct is prepared for students and staff and everyone should obey the conduct rules. Our institution organizes induction programme every year for freshers.

The institution has centre for extension activities (CEA) through which the students can taken up many cleanliness drives both inside the campus and nearby villages considering it as a responsibility of every citizen. The students get involves socio-relevant, environmental conscious projects and various volunteer services through CEA-NSS.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	View File

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	View File
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	View File
Any other relevant information	View File

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

The Institution is organizing the following national and international festival days including great Indian leaders' birth anniversaries. India is worldwide known for its cultural diversity and colourful festivals. The institute celebrates these days to remember the events or contribution of our leaders in building the Republic nation.

Independence Day:

Every year, on this day, our college Principal hoists the National flag in the college premises to Commemorate Independence Day and addresses the faculty and students. Patriotic presentations by students add colour to the celebrations.

Teacher day: is a special day for the appreciation of teachers, and may include celebrations to honour them for their special contributions in their particular field/area.

Engineer's day:

The institution conducts Engineers' day celebrations every year on 15th September i.e., Sir

Mokshagundam Visvesvaraya birth anniversary. During these celebrations, the students are encouraged to exhibit their creative technical models and are evaluated by judges from premier organizations.

Gandhi Jayanti:

Various competitions are conducted for students in college with ideologies of Gandhi's effort in the Indian independence movement as the theme.

Republic Day:

Every year, on this day, our college Principal hoists the National flag in the college premises to Commemorate Republic Day.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	View File

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

- Title of the Practice:** Creation of Blended Learning Systems
- Objective:** To ensure the learning experience of students is more enriching while imparting effective curriculum delivery during the pandemic.
- The Context:** The lockdown happened all of a sudden where no one was prepared. The infrastructure was geared for blended teaching both on teacher and students' part.

Best Practice-2

1. Title of the practice: Students' centric approach

2. Objective:

- To create a platform for the students to get industry exposure.
- To bridge the gap between academia and industry.

3. The Context:

- The institute was affiliated to Jawaharlal Nehru Technological University Anantapur and had to follow the curriculum prescribed by the University till the academic year 2020.

Best Practice-3

1. Title: Clean Campus and Green Campus

2. Objectives: To maintain & beautify lush green gardens all around the campus and to reduce energy consumption, and improve energy efficiency on campus.

3. Context: The campus is located in the middle of Nellore city. The institute is committed to the green movement and has 15 acres of campus area with impressive infrastructure to provide a conducive environment for academic activities.

File Description	Documents
Best practices in the Institutional website	http://www.necn.ac.in/AQAR/criterion-vii/Best-Practices/7.2.1%20Best%20Practices.pdf
Any other relevant information	https://www.necn.ac.in/index.php

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)

1. The Institute is to be one among the premier institutions of the country in producing ethically strong and technically sound Engineers and Managers to serve the nation.
2. The institute consistently provides the best learning experience and in the most creative learning environment in engineering education and to produce socially responsible engineers and managers.
3. In line with the institute's mission statement and to accomplish the vision and translate it into a reality, the institution has been using:
 - The best teaching learning methodologies like participative learning, experiential learning etc.
 - The industrial collaboration is strengthened to imbibe professional qualities in students for making them conversant with industrial practices.
 - The college strives to inculcate employability skills among students so that they can become independent and employment ready once they are graduates.
 - The college arranges many industrial visits to give exposure and experiential learning to students.
 - Guidance on Career Plans to help sketch their future.
 - Our college has a very active placement cell as we firmly believe in providing opportunities to our students as much as we can from our end and shaping their careers by the time they are in their 3rd and final year.

File Description	Documents
Appropriate link in the institutional website	https://www.necn.ac.in/IQAC/index.php
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Action Plan for the Next academic Year 2021-22:

1. To continuously innovate, introduce new courses and remain relevant to the changing needs of the stakeholders.
2. To obtain better National Board of Accreditation (NIRF) ranking.
3. To get accredited by National Board of Accreditation (NBA).
4. To establish industry collaborated laboratories.
5. Digital content in the form of video lectures, study notes, etc. To be made available on the web-site by teachers;
6. To facilitate faculty and student exchange programmes with prestigious academic institutions and international linkages.
7. To enter into MOU's with prestigious corporate and industry associations
8. To encourage faculty to undertake consultancy assignments
9. To encourage faculty to organise faculty improvement programmes, national and international conferences.
10. To improve quality of admissions.
11. To continue the organization extension activities for the benefit of the society and to create awareness on various social issues

12. To initiate more scholarships to reward the students for various achievements;
13. To give additional thrust to campus placements initiatives.
14. To identify talent among students for various sports & cultural activities.