



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	Dr.V.Raviprasad
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08624252611
• Alternate phone No.	9912355502
• Mobile No. (Principal)	9912355502
• Registered e-mail ID (Principal)	necgudur@necg.ac.in
• Address	DURJATI NAGAR,
• City/Town	GUDUR
• State/UT	ANDHRA PRADESH
• Pin Code	524101
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	10/01/2021
• Type of Institution	Co-education
• Location	Rural

• Financial Status **Self-financing**

• Name of the IQAC Co-ordinator/Director **Dr.V.Sucharita**

• Phone No. **08624252611**

• Mobile No: **9491923801**

• IQAC e-mail ID **iqac@necg.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<http://www.necg.ac.in/IQAC/pdf/AQAR%2019-20.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.necg.ac.in/calender-pdf/B.Tech-I-Year-I-Semester-\(2020-21\).pdf](http://www.necg.ac.in/calender-pdf/B.Tech-I-Year-I-Semester-(2020-21).pdf)

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.10	2019	20/05/2019	19/05/2024

6.Date of Establishment of IQAC

21/12/2015

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	NA	NA	Nil	0

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9.No. of IQAC meetings held during the year **2**

• Were the minutes of IQAC meeting(s) and **Yes**

compliance to the decisions taken
uploaded on the institutional website?

- If No, please upload the minutes of the meeting(s) and Action Taken Report
- No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

IQAC undertook giant steps towards Outcome Based Education (OBE) by organizing orientation seminars, training programs and hands on workshops at the institutional level with the expertise and follow up workshops were organized at departmental level. The draft of course outcomes (CO), program specific outcomes (PSO) was crafted. The revised syllabus was incorporated with OBE paradigm which was communicated to the students through the faculty

The feedback from various stakeholders was collected and collated for analysis and actions. It includes feedback from Parents, Alumni, Staff and Students. Based on the feedback obtained, the Boards of Studies were informed to plan for the revision in curriculum and syllabus to meet the requirements of industry, employability and incorporation of skill education.

Faculty was motivated to file patents and publish research papers in scopus and web of science.

IQAC organized Faculty Development Programs. Newly appointed faculty were given orientation program

In pandemic situation, IQAC organized several webinars on relevant topics. Faculty members were given online training in online teaching tools. MOODLE application was deployed and teachers were trained to migrate to the online platform

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	Submission of AQAR of 2019-2020 was completed online in time
Research Publications	Promoting Research by financially supporting the faculty for Number of research publications and number of PhDs awarded in the college
Feedback from Stakeholders	The insights from feedbacks were employed in syllabus revision
Trainings and Workshops on Outcome Based Education	The curriculum and Syllabi of all disciplines were implemented after OBE paradigm.
Skill Training	Skill Training : Students were exposed several training and skill enhancement programs. As a result, the number of placements increased and the number of students qualifying publications examinations increased

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	29/11/2020

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

Part A

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• Phone No.	08624252611

• Mobile No:	9491923801				
• IQAC e-mail ID	iqac@necg.ac.in				
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• if yes, whether it is uploaded in the Institutional website Web link:	http://www.necg.ac.in/calender-pdf/B.Tech-I-Year-I-Semester-(2020-21).pdf				
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6.Date of Establishment of IQAC			21/12/2015		
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• If No, please upload the minutes of the	No File Uploaded				

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<p>Faculty was motivated to file patents and publish research papers in scopus and web of science.</p>		
<p>IQAC organized Faculty Development Programs. Newly appointed faculty were given orientation program</p>		
<p>In pandemic situation, IQAC organized several webinars on relevant topics. Faculty members were given online training in online teaching tools. MOODLE application was deployed and teachers were trained to migrate to the online platform</p>		
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<ul style="list-style-type: none"> Name of the statutory body 	
Name of the statutory body	Date of meeting(s)
Governing Body	29/11/2020
14.Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2020-21	22/02/2022

15.Multidisciplinary / interdisciplinary
16.Academic bank of credits (ABC):
17.Skill development:
18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)
19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):
20.Distance education/online education:

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 1641

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2 455

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3

1592

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1

453

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2

138

Number of full-time teachers during the year:

Extended Profile	
1.Programme	
1.1 Number of programmes offered during the year:	10
File Description	Documents
Institutional Data in Prescribed Format	View File
2.Student	
2.1 Total number of students during the year:	1641
File Description	Documents
Institutional data in Prescribed format	View File
2.2 Number of outgoing / final year students during the year:	455
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:	1592
File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	453
File Description	Documents
Institutional Data in Prescribed Format	View File

3.2	138
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3	138
Number of sanctioned posts for the year:	
4.Institution	
4.1	219
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	43
Total number of Classrooms and Seminar halls	
4.3	646
Total number of computers on campus for academic purposes	
4.4	631
Total expenditure, excluding salary, during the year (INR in Lakhs):	

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	http://www.necg.ac.in/syllabus.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

453

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

453

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, etc. Even though it is in syllabus different activities relating to gender issues are conducted by the college.

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. College organizes various programmes related to environment. .A course on Human values and Professional Ethics in Engineering mainly dealing with the ethical aspects for the prosperity of organization .

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

14

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

1310

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

394

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.necg.ac.in/stakeholder.php
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.necg.ac.in/stakeholder.php
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

552

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)

210

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. 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.

Activities for slow learners -

- Special attention paid in the Tutorial classes conducted in every subject helps to improve their grasping abilities and improve their academic performance.
- After mid examination, based on the performance, remedial classes are conducted.
- Faculty takes extra classes
- More assignments are given
- Personal counseling is conducted to improve the academic performance.
- Parents of slow learners are given information about their wards performance from time to time.
- Peer learning and group interaction is facilitated
- Based on the results of End Examinations, Remedial coaching is conducted

Activities for Advanced learners:

- Additional library facility of issuing extra books.
- Coding classes for improving coding skills.
- Provide training in softskills and aptitude
- Encouraged to publish papers
- The college allows students to attend various conferences, symposia and workshops so that they can gain knowledge
- These advanced learners are encouraged to become members of Professional bodies
- Encouraged to go for internships.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/critertion-ii/Catering-to-Student-Diversity/2.2.1-SLOW-AND-ADVANCED-LEARNERS.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	1641	138

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:

The students are taught to practically test the concepts that they theoretically learnt in the classroom. The Faculty and Qualified Technical Staff help the students to conduct experiments.

Industrial visits and field trips: Conducted to provide students with hands on experience of the field and to update them with the current trends and technologies. Through these industrial visits, students understand the practicality and implementation of the concepts studied by them.

Internships:

During academic semesters students take up internships which gives students an opportunity to apply the theories and principles, they have learnt in class room co

Project exhibitions:

Conducted through which students make different models and get hands on experience on the respective domains.

Participative Learning:-

The participatory learning activities adopted by the faculty are Active learning methodologies, Project development, Paper

Presentations, poster presentations, Mini Projects, Student clubs, Professional society activities,

Problem solving methodologies:-

Problem based learning is implemented by providing case studies of various courses to students and arriving to workable solutions. Through the assignments, Tutorials and case studies.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://www.necg.ac.in/AOAR/critertion-ii/Teaching-Learning-Process/2-3-1-Student-centric-methods.pdf

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. In this regard all classrooms, seminar halls, laboratories and auditoriums are equipped with ICT facilities which include LCD projectors, computers with internet connection to make students understand the concepts easily by seeing the technology or concept visually. All the faculty members had to adopt innovative teaching methods to ensure effective learning outcomes. 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. Faculty members share the learning material which can be accessed by student groups at their leisure. 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. The central library of our institution is also equipped with ICT tools. 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://202.53.82.194/moodle/
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

106

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 remaining is 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 College and Departments.

For students under Autonomous regulations, The Institution releases two different levels of Academic Calendar which are prepared at the beginning of each semester are Institutional Academic Calendar and Departmental Academic Calendar. The Institutional Academic Calendar is released at the beginning of semester by IQAC and Departmental Academic Calendar issued by

concerned department. It includes various planning of 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.

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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

138

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

16

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)

5.918

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**

20

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

4

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.

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

The Programme outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) of all the programs offered by the institution are framed through discussion with course instructor, Course Coordinator, Module Coordinator, Program Assessment Committee (PAC), Department Academic Committee (DAC). The COs are in line with POs & PSOs of the department. The COs are published in academic regulations and curriculum book, and departmental website. They are made reachable to all the stakeholders of the program through institution website, faculty workshops, student awareness workshops, student induction programs and faculty meetings. The POs and PSOs are achieved through a curriculum that offers a number of courses. Each course has a defined set of COs that are mapped to the POs & PSOs. A set of performance criteria are used to provide a quantitative measurement of how well COs are achieved. The COs

are thus directly and quantitatively assessed, and in turn contribute for attainment of POs and PSOs. Therefore, if the course outcomes are attained, it provides direct quantitative evidence that POs and PSOs are attained. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being substantial (3), moderate (2) and slight(1).

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.necg.ac.in/CSE/co.php

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

The following processes & tools are used for the attainment of course outcomes.

Mid Examinations-This type of performance assessment is carried out during the examination sessions which are held twice a semester.

Semester End Examination-Semester End examination is a metric for assessing whether all the COs are attained or not.

Rubrics are formulated for the assessment of laboratory, project and seminar. The target level is set at the beginning of the semester. The performance of the students in Mid-exams and Semester End Examinations in each course is used to compute the level of direct attainment of the COs.

Attainment of POs and PSOs: List of assessment tools & processes

a) **Direct assessment:** The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs. b) **Indirect assessment:** The overall PO & PSO attainments are calculated by considering 80% of direct attainment and 20% of indirect attainment through surveys. Out of 20% of indirect attainment, 10% weightage is given for program exit survey and 5% each for alumni and Employer survey.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necg.ac.in/AQAR/critertion-ii/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

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

408

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.necg.ac.in/pdf/2.6.3-Result%20Analysis.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.necg.ac.in/IQAC/pdf/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 was constituted to take care of various issues of research including ethical

matters. The committee contains 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	http://www.necg.ac.in/pdf/Policy%20Research.pdf
Any additional information	View File

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)

210000

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)

8.92

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.necg.ac.in/sponsored-projects.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

5

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.necg.ac.in/sponsored-projects.php
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 custom made programs are:

- 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	http://www.necg.ac.in/pdf/EDC-NECG.pdf

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

14

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	View File

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

0

File Description	Documents
URL to the research page on HEI website	http://www.necg.ac.in/pdf/Reserach%20Guides.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

146

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

24

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/pdf/Books%20and%20Book%20chapter.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

8

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

12

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)

571172

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

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 mature and socially responsible. Students are motivated to participate in need based extension activities, such as 'Swachh Bharat ', awareness programs etc. Participation in such activities imbibes 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	http://www.necg.ac.in/AQAR/critertion-iii/Extension-Activities/3.6.3%20Extestion%20Activities.pdf

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

11

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)

25

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

1919

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

40

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)

47

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.

Institution has well equipped built up area of 21334 Sq. mts in around 25.32 acres of land.

Class Rooms

Institution has well-furnished, spacious classrooms with good ventilation to conduct classes. The classrooms are equipped with projectors, fans, lights, and WIFI connectivity.

Tutorial class rooms

The institution has tutorial classrooms to conduct study hours, remedial classes to clarify the doubts and queries of students.

Laboratories

The Institution has domain centric laboratories as per the regulations of AICTE and JNTUA. The Institution has fully equipped laboratories, with well-maintained instruments, devices, and equipment to conduct experiments

Seminar Halls

All seminar halls have different seating capacity, and these are equipped with LCD Projectors, whiteboards, stage, podium, public addressing system with WI-FI and internet facility.

Computing equipment

A computer centre with accessibility to all students and faculty is provided for various academic activities. All computers are connected in LAN with internet facility. The campus is Wi-Fi enabled.

Drawing Halls

Two drawing halls with a capacity of 70 each are available for teaching graphics and drawing subjects.

Library

The institution has a Central Library and digital library equipped with all the resources for learning with sufficient seating capacity.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/critertion-iv/Physical-Facilities/4.1.3-Classrooms%20and%20Seminar%20Halls%20with%20ICT%20Facilities.pdf

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. The institution has a well equipped Gym and fitness centre. 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. The institute has a spacious and well equipped indoor-sports room, where students can play games like table tennis, chess, caroms etc.

Well laid courts are available for games such as badminton, basketball, volleyball, throw ball, Kho-Kho, kabadi, cricket, ring tennis 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 health.

Gymnasium

The institute has a dedicated room for Gymnasium with facilities like 8 stationed gym.

Cultural Activities

All the seminar halls and auditorium are provided with adequate

facilities to conduct various cultural activities.

To bring out the inherent talents of the students, hobby clubs are introduced. Hobby clubs include Ahbinaya Club, Swara club Vacha club Chitra Club, Chalana chitra Club and Varna Club.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/sports/Gymnasium.pdf

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

43

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)

63108338

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

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 completely implemented 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/ltouchnecg> to students and faculty for
 searching library materials.

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

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)

1291680

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

168

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. 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.

Campus is Wi-Fi enabled with high throughput indoor and outdoor Wi-Fi access points and required firewalls. The College has a 24/7 Wi-Fi facility for students and faculty members can avail internet connection in the campus. Enterprise level Next Generation firewall appliances in redundant mode with fully integrated intrusion prevention (IPS), application control, antivirus, web filter, email filter and traffic shaper. Protection against hacking and other information security threats is ensured. Students and faculty members are provided access to electronic databases which encourages them to use e-learning resources. All Classrooms are equipped with LCD Projectors, Audio Visual equipment and Internet with Wi-Fi facility.

Upgradation arrangements on a regular basis are incorporated into yearly budget plan.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/criterion-iv/IT-Infrastructure/4.3.1%20IT%20Policy%20supporting%20document.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1641	646

File Description	Documents
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	View File

4.3.4 - Institution has facilities for e-content development:

B. Any three of the above

Facilities available for e-content development

Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/CSE/e-content.php
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)

63108338

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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.

The physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, gymnasium, buses, boardroom, guest room etc., are well maintained and used based on the requirement as per the standard procedure.

Classrooms, seminar halls & laboratories:

Class rooms and seminar halls come under daily maintenance. The administrative staff takes rounds of all the class rooms and seminar halls every day. Repairs and Maintenance of laboratory equipments are initiated by the respective Laboratory In charge as and when required.

Computers and allied Infrastructure:

Routine computer maintenance, software installations, networking are handled by the CSE Department.

Library, Sports and Games:

The librarian is the in charge for handling all the maintenance works required in the library through maintenance staff. The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He has to maintain courts properly on daily basis with the help of the maintenance staff.

Electrical Facilities:

Electricians are available round the clock to address power

breakdown. Maintenance Department monitors the services of electricians.

Buildings and Infrastructure:

Maintenance of buildings and related areas are undertaken by the Maintenance Department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/IQAC/pdf/Procedures.pdf

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

1028

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

342

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' A. All of the above

**capabilities Soft Skills Language and
Communication Skills Life Skills (Yoga,
Physical fitness, Health and Hygiene)
Awareness of Trends in Technology**

File Description	Documents
Link to Institutional website	http://www.necg.ac.in/AQAR/critertion-v/Student-Support/5.1.3-Capacity%20Development%20and%20Skill%20Enhancement%20Activities.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

1290

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

264

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

14

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

7

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 are actively involved 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.necg.ac.in/pdf/Committees.pdf

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

20

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	View File

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 "Alumni Association of Narayana Engineering College Gudur" (AANECEG) on 7th November, 2015 under the Andhra Pradesh Societies Registration Act., 2001 with registration No: 110 of 2015. The Alumni committee organizes the Annual Alumni meet yearly once. AANECEG 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.
- Alumni feedback 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	http://www.necg.ac.in/registration.php

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 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

Reflection of Mission and Vision in the leadership of institute in ensuring: 1. The policy statements and action plans: The management and Principal actively participate in GB for ensuring that the policy statements and action plans are aligned for attaining the mission of institute, disseminates the vision and mission to all stake holders and involve them in forming the policy statements. 2. Formulation of action plans: The action plans are formulated in line with quality policy under the leadership of the Principal and the same are incorporated into strategic plans for effective implementation. 3. Interaction with stakeholders for proper support and planning: The requirements of the industry for policy making and planning are collected through interaction with various stakeholders.

4. Reinforcing the culture of excellence: For the reinforcement of cultural excellence the vision, mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions, necessary training is provided to its faculty and supporting staff for their development and motivates the team building and team work to create healthy work culture. Through participative management, the faculties are involved in various decision making bodies of the institute to achieve vision of the institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necg.ac.in/mission-vision.php

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. 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 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. The plans and the policies for fulfillment of the mission of the college are executed by involvement of the college authorities, with all the faculty members. For this purpose, different committees have been constituted in the college, with the responsibility of implementing the programmes and policies.

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	http://www.necg.ac.in/governing-body.php

6.2 - Strategy Development and Deployment

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

STRATEGIC GOALS

NECG 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	http://www.necg.ac.in/AQAR/critertion-vi/Strategy-Development-and-Deployment/6.2.1.Strategic%20planfinal.pdf
Upload any additional information	View File

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

Narayana Engineering College has a well established organizational structure to execute smooth functioning of administrative and academic areas.

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. Various departments are headed by respective HODs. R & D, training and placement etc are headed by professor in-charges. Department wise domains are looked after by the faculty in-charges.

Administrative Officer assists the Principal in the day to day administration of the college and looks after Accounts, purchases, budgeting, stores, personal affairs and admissions.

For the academic and administrative convenience and to assist the Principal, HODs and AO, various cells and committees are constituted. The details of various cells and committees are provided in the attachment. The organogram of the institution is provided as attachment in the additional information. 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 constituted for students, staff and women.

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

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	View File

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

college has effective welfare measures in place for its teaching and non-teaching staff. The various welfare schemes are as follows:

Teaching Staff:

- Group Medclaim 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 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	http://www.necg.ac.in/AQAR/critertion-vi/Faculty-Empowerment-Strategies/Welfare%20Measures%20(1).pdf

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

125

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

20

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.)

138

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 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	http://www.necg.ac.in/AQAR/critertion-vi/Strategy-Development-and-Deployment/Effective%20leadership%206.2.1%20.pdf

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)

437000

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	View File

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

The institute has 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	http://www.necg.ac.in/AQAR/critertion-vi/Faculty-Empowerment-Strategies/mobilization.pdf

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:

Bridge 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 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	http://www.necg.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 course teachers have to give a micro lecture delivery plan 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	http://www.necg.ac.in/IQAC/feedback%20tlp.pdf

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.necg.ac.in/AQAR/critertion-vi/Internal-Quality-Assurance-System/6.5.3.a-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.necg.ac.in/womens-forum.php

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	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	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

B. Any 3 of the above

bodies and distribution system in the campus

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:

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

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

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

A. Any 4 or all of the above

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

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	View File

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 and Club activities provide an inclusive environment by bringing students and teachers with diverse backgrounds. 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 school children for protection from Covid-19. Awareness on DISHA App is conducted. Medical camps are regular practice and in the process with collaborations from Rotary, Lions club. Two important national festivals, Republic Day and Independence Day are celebrated every year. Institution has put efforts to sensitize students towards cultural, regional, linguistic, communal and socioeconomic diversities. The hobby club organizes cultural events that provide harmony for our students there by contributing towards the specified goal.

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:

Individuals with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities comprise our citizens and they are governed and guided by the Constitution irrespective of caste and religion. Accordingly, it becomes necessary to sensitize students and employees about values, rights, duties and responsibilities of citizens. The expected awareness regarding values, rights, duties and responsibilities of citizens is declining among the students day by day. Accordingly, an effort is required by the institutions in this regard. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities from guest speakers. Code of conduct is prepared for students and staff which is to be obeyed by everyone. Moreover, institution conducts awareness programs on the ban on plastics, Swachh Bharat, etc. The institution designed the curriculum with mandatory courses like "Professional ethics and human values", "Constitution of India" to inculcate constitutional obligations among the students. Guest lectures are regularly organized by departments to deliver

lectures by prominent people on ethics, values, duties, and responsibilities. Induction program for first year students also gives us an opportunity in inculcating values, rights, duties, and responsibilities. Republic Day is celebrated by organizing activities highlighting the importance of the Indian Constitution.

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 many national and international festival days including great Indian leaders' birth anniversaries. India is worldwide known for its cultural

diversity and colourful festivals.

Independence Day - 15th August: 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.

Teacher day - 5th September: Teachers' Day is a special day for the appreciation of teacher

Engineers day - 15th September: 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. This event increases creative thinking in the young minds of engineering students.

Gandhi Jayanti - 2nd October: Various competitions are conducted for students in college with ideologies of Gandhi's effort in the Indian independence movement as the theme.

Republic Day -26th January: Every year, on this day, our college Principal hoists the National flag in the college premises to commemorate Republic Day. Addressing the faculty and students.

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: Adopting Outcome Based Education for the effective teaching-learning process

Objectives of the Practice: The objectives of the OBE are as follows:

- a. To define outcomes of learning accurately and precisely.
- b. To organize the curriculum, instruction, and assessment right from the beginning to make sure that the learning outcomes are achieved.

The Context

Traditionally, higher education is examination-oriented. The students were expected to pass examinations and get a degree. There was a poor link between education and employability.

Evidence of Success: As a part of the implementation of the OBE, programme design, delivery, and assessment have been changed.

Problems Encountered and Resources Required: The problems faced in OBE implementation are:

- a. Student engagement for outcome-oriented learning in the classroom is a challenging task.

Best Practice-II

Title : Academic and administrative procedures for quality teaching

Objective:NECG focused on the following Academic and Administrative procedures to ensure quality teaching.

Context :

NECG has focused on academic audit every month as a standard procedure in which verification is done

Practice :

- o Every month academic audit is performed for each department
- o Evidence of success :
- o Faculty are better prepared for the classes and more focused on the delivery

File Description	Documents
Best practices in the Institutional website	http://www.necg.ac.in/IOAC/pdf/bestpractices.pdf
Any other relevant information	http://www.necg.ac.in/AQAR/criterion-ii/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

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)

Based on the vision of the institute, priority and thrust, the institute consistently provides the best learning experience, 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. These learning methodologies can be obtained through industry interactions. The distinctiveness of the institution lies in "Learning beyond the classroom" hence has been conducting various activities such as Guest Lectures, Seminars, workshops, Internships Industrial Visits, Industry oriented courses, and skill development courses etc. through industry interaction apart from classroom teaching to make learning more interactive and interesting. The institute has 47 functional MOUs with industries in order to overcome a technological gap between institute and industry requirements. 47 activities are performed under MOUs. Institute has ED cell which conducts Entrepreneurship camps in which students can be able to interact with experienced industry experts. The institute has a placement cell with the primary aim of placing the students. While recruiting the students are given pre-placement talks.

Institute is able to achieve the objectives of our vision statement, by developing our students by inviting and involving experts from reputed institutions and Industries.

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	http://www.necg.ac.in/syllabus.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

453

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	View File
Any additional information	View File

1.2 - Academic Flexibility

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

453

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, etc. Even though it is in syllabus different activities relating to gender issues are conducted by the college.

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. College organizes various programmes related to environment. .A course on Human values and Professional Ethics in Engineering mainly dealing with the ethical aspects for the prosperity of organization .

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

14

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

1310

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

394

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.necg.ac.in/stakeholder.php
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.necg.ac.in/stakeholder.php
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

552

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)

210

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. 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.

Activities for slow learners -

- Special attention paid in the Tutorial classes conducted in every subject helps to improve their grasping abilities and improve their academic performance.
- After mid examination, based on the performance, remedial classes are conducted.
- Faculty takes extra classes
- More assignments are given
- Personal counseling is conducted to improve the academic performance.
- Parents of slow learners are given information about

their wards performance from time to time.

- Peer learning and group interaction is facilitated
- Based on the results of End Examinations, Remedial coaching is conducted

Activities for Advanced learners:

- Additional library facility of issuing extra books.
- Coding classes for improving coding skills.
- Provide training in softskills and aptitude
- Encouraged to publish papers
- The college allows students to attend various conferences, symposia and workshops so that they can gain knowledge
- These advanced learners are encouraged to become members of Professional bodies
- Encouraged to go for internships.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/critertion-i-i/Catering-to-Student-Diversity/2.2.1-SLOW-AND-ADVANCED-LEARNERS.pdf

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
Nil	1641	138

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:

The students are taught to practically test the concepts that they theoretically learnt in the classroom. The Faculty and Qualified Technical Staff help the students to conduct experiments.

Industrial visits and field trips: Conducted to provide students with hands on experience of the field and to update them with the current trends and technologies. Through these industrial visits, students understand the practicality and implementation of the concepts studied by them.

Internships:

During academic semesters students take up internships which gives students an opportunity to apply the theories and principles, they have learnt in class room co

Project exhibitions:

Conducted through which students make different models and get hands on experience on the respective domains.

Participative Learning:-

The participatory learning activities adopted by the faculty are Active learning methodologies, Project development, Paper Presentations, poster presentations, Mini Projects, Student clubs, Professional society activities,

Problem solving methodologies:-

Problem based learning is implemented by providing case studies of various courses to students and arriving to workable solutions. Through the assignments, Tutorials and case studies.

File Description	Documents
Upload any additional information	View File
Link for additional Information	http://www.necg.ac.in/AQAR/critertion-i-i/Teaching-Learning-Process/2-3-1-Student-centric-methods.pdf

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. In this regard all classrooms, seminar halls, laboratories and auditoriums are equipped with ICT facilities which include LCD projectors, computers with internet connection to make students understand the concepts easily by seeing the technology or concept visually. All the faculty members had to adopt innovative teaching methods to ensure effective learning outcomes. 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. Faculty members share the learning material which can be accessed by student groups at their leisure. 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. The central library of our institution is also equipped with ICT tools. 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://202.53.82.194/moodle/
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

106

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 remaining is 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 College and Departments.

For students under Autonomous regulations, The Institution releases two different levels of Academic Calendar which are prepared at the beginning of each semester are Institutional Academic Calendar and Departmental Academic Calendar. The Institutional Academic Calendar is released at the beginning of semester by IQAC and Departmental Academic Calendar issued by concerned department. It includes various planning of

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.

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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

138

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

16

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)

5.918

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

20

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

4

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.

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

The Programme outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) of all the programs offered by the institution are framed through discussion with course instructor, Course Coordinator, Module Coordinator, Program Assessment Committee (PAC), Department Academic Committee (DAC). The COs are in line with POs & PSOs of the department. The COs are published in academic regulations and curriculum book, and departmental website. They are made reachable to all the stakeholders of the program through institution website, faculty workshops, student awareness workshops, student induction programs and faculty meetings. The POs and PSOs are achieved through a curriculum that offers a number of courses. Each course has a defined set of COs that are mapped to the POs & PSOs. A set of performance criteria are used to provide a quantitative measurement of how well COs are achieved. The COs are thus directly and quantitatively assessed, and in turn contribute for attainment of POs and PSOs. Therefore, if the course outcomes are attained, it provides direct quantitative evidence that POs and PSOs are attained. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being substantial (3), moderate (2) and slight(1).

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.necg.ac.in/CSE/co.php

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

The following processes & tools are used for the attainment of course outcomes.

Mid Examinations-This type of performance assessment is carried out during the examination sessions which are held twice a semester.

Semester End Examination-Semester End examination is a metric for assessing whether all the COs are attained or not.

Rubrics are formulated for the assessment of laboratory, project and seminar. The target level is set at the beginning of the semester. The performance of the students in Mid-exams and Semester End Examinations in each course is used to compute the level of direct attainment of the COs.

Attainment of POs and PSOs: List of assessment tools & processes

a) Direct assessment: The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of the POs and PSOs through the mapping of questions to COs and COs to POs and PSOs.

b) Indirect assessment: The overall PO & PSO attainments are calculated by considering 80% of direct attainment and 20% of indirect attainment through surveys. Out of 20% of indirect attainment, 10% weightage is given for program exit survey and 5% each for alumni and Employer survey.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necg.ac.in/AQAR/criterion-i/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

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

408

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.necg.ac.in/pdf/2.6.3-Result%20Analysis.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.necg.ac.in/IOAC/pdf/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 was constituted to take care of various issues of research including ethical matters. The committee contains 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	http://www.necg.ac.in/pdf/Policy%20Research.pdf
Any additional information	View File

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)

210000

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)**

8.92

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.necg.ac.in/sponsored-projects.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

5

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.necg.ac.in/sponsored-projects.php
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 custom made programs are:

- 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	http://www.necg.ac.in/pdf/EDC-NECG.pdf

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

14

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

A. All of the above

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

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

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

0

File Description	Documents
URL to the research page on HEI website	http://www.necg.ac.in/pdf/Reserach%20Guides.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

146

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

24

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/pdf/Books%20and%20Book%20chapter.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

8

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

12

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)**

571172

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

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 mature and socially responsible. Students are motivated to participate in need based extension activities, such as 'Swachh Bharat ', awareness programs etc. Participation in such activities imbibes 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	http://www.necg.ac.in/AOAR/critertion-ii/Extension-Activities/3.6.3%20Extesti on%20Activities.pdf

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

11

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)

25

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

1919

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

40

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)

47

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.

Institution has well equipped built up area of 21334 Sq. mts in around 25.32 acres of land.

Class Rooms

Institution has well-furnished, spacious classrooms with good ventilation to conduct classes. The classrooms are equipped with projectors, fans, lights, and WIFI connectivity.

Tutorial class rooms

The institution has tutorial classrooms to conduct study hours, remedial classes to clarify the doubts and queries of students.

Laboratories

The Institution has domain centric laboratories as per the regulations of AICTE and JNTUA. The Institution has fully equipped laboratories, with well-maintained instruments, devices, and equipment to conduct experiments

Seminar Halls

All seminar halls have different seating capacity, and these are equipped with LCD Projectors, whiteboards, stage, podium, public addressing system with WI-FI and internet facility.

Computing equipment

A computer centre with accessibility to all students and faculty is provided for various academic activities. All computers are connected in LAN with internet facility. The campus is Wi-Fi enabled.

Drawing Halls

Two drawing halls with a capacity of 70 each are available for teaching graphics and drawing subjects.

Library

The institution has a Central Library and digital library equipped with all the resources for learning with sufficient seating capacity.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/critertion-iv/Physical-Facilities/4.1.3-Classrooms%20and%20Seminar%20Halls%20with%20ICT%20Facilities.pdf

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. The institution has a well equipped Gym and fitness centre. 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. The institute has a spacious and well equipped indoor-sports room, where students can play games like table tennis, chess, caroms etc.

Well laid courts are available for games such as badminton, basketball, volleyball, throw ball, Kho-Kho, kabadi, cricket, ring tennis 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 health.

Gymnasium

The institute has a dedicated room for Gymnasium with facilities like 8 stationed gym.

Cultural Activities

All the seminar halls and auditorium are provided with adequate facilities to conduct various cultural activities.

To bring out the inherent talents of the students, hobby clubs are introduced. Hobby clubs include Ahbinaya Club, Swara club Vacha club Chitra Club, Chalana chitra Club and Varna Club.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/sports/Gymnasium.pdf

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities	
43	
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)	
63108338	
File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File
4.2 - Library as a Learning Resource	
4.2.1 - Library is automated using Integrated Library Management System (ILMS)	
<p>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.</p> <p>Name of the ILMS Software: Library Management System Software (LMS)</p> <p>Nature of Automation: Fully Automated</p> <p>Version: 2.0</p> <p>Year of automation: 2007</p>	

Library Management system (LMS) software with all the functional modules of library management completely implemented 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/ltouchnecg> to students and faculty for searching library materials.

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

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)

1291680

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

168

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. 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.

Campus is Wi-Fi enabled with high throughput indoor and outdoor Wi-Fi access points and required firewalls. The College has a 24/7 Wi-Fi facility for students and faculty members can avail internet connection in the campus. Enterprise level Next Generation firewall appliances in redundant mode with fully integrated intrusion prevention (IPS), application control, antivirus, web filter, email filter and traffic shaper. Protection against hacking and other information security threats is ensured. Students and faculty members are provided access to electronic databases which encourages them to use e-learning resources. All Classrooms are equipped with LCD Projectors, Audio Visual equipment and Internet with Wi-Fi facility.

Upgradation arrangements on a regular basis are incorporated into yearly budget plan.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/AQAR/critertion-iv/IT-Infrastructure/4.3.1%20IT%20Policy%20supporting%20document.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1641	646

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of

A. ?50 Mbps

students on campus	
File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File
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	B. Any three of the above
File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/CSE/e-content.php
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)	
63108338	
File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File
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.	
The physical, academic and support facilities like classrooms, labs, seminar halls, auditorium, computer centre, gymnasium, buses, boardroom, guest room etc., are well	

maintained and used based on the requirement as per the standard procedure.

Classrooms, seminar halls & laboratories:

Class rooms and seminar halls come under daily maintenance. The administrative staff takes rounds of all the class rooms and seminar halls every day. Repairs and Maintenance of laboratory equipments are initiated by the respective Laboratory In charge as and when required.

Computers and allied Infrastructure:

Routine computer maintenance, software installations, networking are handled by the CSE Department.

Library, Sports and Games:

The librarian is the in charge for handling all the maintenance works required in the library through maintenance staff. The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He has to maintain courts properly on daily basis with the help of the maintenance staff.

Electrical Facilities:

Electricians are available round the clock to address power breakdown. Maintenance Department monitors the services of electricians.

Buildings and Infrastructure:

Maintenance of buildings and related areas are undertaken by the Maintenance Department.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.necg.ac.in/IQAC/pdf/Procedures.pdf

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	
1028	
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	
342	
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.necg.ac.in/AQAR/criterion-v/Student-Support/5.1.3-Capacity%20Development%20and%20Skill%20Enhancement%20Activities.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	
1290	
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	
264	

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

14

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

7

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 are actively involved 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.necg.ac.in/pdf/Committees.pdf

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

20

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	View File

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 "Alumni Association of Narayana Engineering College Gudur" (AANECEG) on 7th November, 2015 under the Andhra Pradesh Societies Registration Act., 2001 with registration No: 110 of 2015. The Alumni committee organizes the Annual Alumni meet yearly once. AANECEG 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.

- Alumni feedback 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	http://www.necg.ac.in/registration.php

5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 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

Reflection of Mission and Vision in the leadership of institute in ensuring: 1. The policy statements and action plans: The management and Principal actively participate in GB for ensuring that the policy statements and action plans are aligned for attaining the mission of institute, disseminates the vision and mission to all stake holders and involve them in forming the policy statements. 2. Formulation of action plans: The action plans are formulated in line with quality policy under the leadership of the Principal and the same are incorporated into strategic plans for effective implementation. 3. Interaction with stakeholders for proper

support and planning: The requirements of the industry for policy making and planning are collected through interaction with various stakeholders.

4. Reinforcing the culture of excellence: For the reinforcement of cultural excellence the vision, mission, short term and long term goals, quality policies are kept wide open to all stakeholders for their suggestions, necessary training is provided to its faculty and supporting staff for their development and motivates the team building and team work to create healthy work culture. Through participative management, the faculties are involved in various decision making bodies of the institute to achieve vision of the institute.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://www.necg.ac.in/mission-vision.php

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. 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 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. The plans and the policies for fulfillment of the mission of the college are executed by involvement of the college authorities, with all the faculty members. For this purpose, different committees have been constituted in the college, with the responsibility of implementing the programmes and policies.

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	http://www.necg.ac.in/governing-body.php

6.2 - Strategy Development and Deployment

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

STRATEGIC GOALS

NECG 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	http://www.necg.ac.in/AOAR/critertion-vi/Strategy-Development-and-Deployment/6.2.1.Strategic%20planfinal.pdf
Upload any additional information	View File

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

Narayana Engineering College has a well established organizational structure to execute smooth functioning of administrative and academic areas.

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. Various departments are headed by respective HODs. R & D, training and placement etc are headed by professor in-charges. Department wise domains are looked after by the faculty in-charges.

Administrative Officer assists the Principal in the day to day administration of the college and looks after Accounts, purchases, budgeting, stores, personal affairs and admissions.

For the academic and administrative convenience and to assist the Principal, HODs and AO, various cells and committees are constituted. The details of various cells and committees are provided in the attachment. The organogram of the institution is provided as attachment in the additional

information.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 constituted for students, staff and women.

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

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	View File

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

college has effective welfare measures in place for its teaching and non-teaching staff. 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 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	http://www.necg.ac.in/AQAR/criterion-vi/Faculty-Empowerment-Strategies/Welfare%20Measures%20(1).pdf

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

125

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

20

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.)

138

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 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	http://www.necg.ac.in/AQAR/criterion-vi/Strategy-Development-and-Deployment/Effective%20leadership%206.2.1%20.pdf

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)

437000

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	View File

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

The institute has 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	http://www.necg.ac.in/AOAR/critertion-vi/Faculty-Empowerment-Strategies/mobilization.pdf

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:

Bridge 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 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	http://www.necg.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 course teachers have to give a micro lecture delivery plan 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	http://www.necg.ac.in/IQAC/feedback%20t_lp.pdf

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.necg.ac.in/AQAR/critertion-vi/Internal-Quality-Assurance-System/6.5.3.a-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.necg.ac.in/womens-forum.php

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	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	View File
Geotagged photographs of the facilities	View File
Any other relevant information	View File

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

B. Any 3 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

A. Any 4 or All of the above

greening the campus are as follows:	
<ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping 	
File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File
7.1.6 - Quality audits on environment and energy undertaken by the institution	
7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	A. Any 4 or all of the above
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	View File

<p>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.</p>	<p>A. Any 4 or all of the above</p>
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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	View File

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 and Club activities provide an inclusive environment by bringing students and teachers with diverse backgrounds. 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 school children for protection from Covid-19 .Awareness on DISHA App is

conducted. Medical camps are regular practice and in the process with collaborations from Rotary, Lions club. Two important national festivals, Republic Day and Independence Day are celebrated every year. Institution has put efforts to sensitize students towards cultural, regional, linguistic, communal and socioeconomic diversities. The hobby club organizes cultural events that provide harmony for our students there by contributing towards the specified goal.

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:

Individuals with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities comprise our citizens and they are governed and guided by the Constitution irrespective of caste and religion. Accordingly, it becomes necessary to sensitize students and employees about values, rights, duties and responsibilities of citizens. The expected awareness regarding values, rights, duties and responsibilities of citizens is declining among the students day by day. Accordingly, an effort is required by the institutions in this regard. The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities from guest speakers. Code of conduct is prepared for students and staff which is to be obeyed by everyone. Moreover, institution conducts awareness programs on the ban on plastics, Swachh Bharat, etc. The institution designed the curriculum with mandatory courses like "Professional ethics and human values", "Constitution of India" to inculcate constitutional obligations among the students. Guest lectures are regularly organized by departments to deliver lectures by prominent people on ethics, values, duties, and responsibilities. Induction program for first year students also gives us an opportunity in inculcating values, rights, duties, and responsibilities. Republic Day is celebrated by organizing activities highlighting the importance of the Indian Constitution.

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 many national and international festival days including great Indian leaders' birth anniversaries. India is worldwide known for its cultural diversity and colourful festivals.

Independence Day - 15th August: 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.

Teacher day - 5th September: Teachers' Day is a special day for the appreciation of teacher

Engineers day - 15th September: 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. This event increases creative thinking in the young minds of engineering students.

Gandhi Jayanti - 2nd October: Various competitions are conducted for students in college with ideologies of Gandhi's effort in the Indian independence movement as the theme.

Republic Day -26th January: Every year, on this day, our college Principal hoists the National flag in the college premises to commemorate Republic Day. Addressing the faculty and students.

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: Adopting Outcome Based Education for the effective teaching-learning process

Objectives of the Practice: The objectives of the OBE are as

follows:

- a. To define outcomes of learning accurately and precisely.
- b. To organize the curriculum, instruction, and assessment right from the beginning to make sure that the learning outcomes are achieved.

The Context

Traditionally, higher education is examination-oriented. The students were expected to pass examinations and get a degree. There was a poor link between education and employability.

Evidence of Success: As a part of the implementation of the OBE, programme design, delivery, and assessment have been changed.

Problems Encountered and Resources Required: The problems faced in OBE implementation are:

- a. Student engagement for outcome-oriented learning in the classroom is a challenging task.

Best Practice-II

Title : Academic and administrative procedures for quality teaching

Objective:NECG focused on the following Academic and Administrative procedures to ensure quality teaching.

Context :

NECG has focused on academic audit every month as a standard procedure in which verification is done

Practice :

- o Every month academic audit is performed for each department
- o Evidence of success :
- o Faculty are better prepared for the classes and more focused on the delivery

File Description	Documents
Best practices in the Institutional website	http://www.necg.ac.in/IOAC/pdf/bestpractices.pdf
Any other relevant information	http://www.necg.ac.in/AQAR/criterion-i/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

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)

Based on the vision of the institute, priority and thrust, the institute consistently provides the best learning experience. 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. These learning methodologies can be obtained through industry interactions. The distinctiveness of the institution lies in "Learning beyond the classroom" hence has been conducting various activities such as Guest Lectures, Seminars, workshops, Internships Industrial Visits, Industry oriented courses, and skill development courses etc. through industry interaction apart from classroom teaching to make learning more interactive and interesting. The institute has 47 functional MOUs with industries in order to overcome a technological gap between institute and industry requirements. 47 activities are performed under MOUs. Institute has ED cell which conducts Entrepreneurship camps in which students can be able to interact with experienced industry experts. The institute has a placement cell with the primary aim of placing the students. While recruiting the students are given pre-placement talks.

Institute is able to achieve the objectives of our vision statement, by developing our students by inviting and involving experts from reputed institutions and Industries.

File Description	Documents
Appropriate link in the institutional website	http://www.necg.ac.in/industry-institute-interaction-cell.php
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

- Motivating faculty members to effectively adopt student centric learning tools and to widen the usage of ICT tools
- Making students Industry ready by strengthening their programming/practical application skills
- To conduct coding contests by the student chapters of the various professional societies to nurture the programming skills.
- Arranging Guest Lectures by Experts from industry to bridge the Gap between Academia and Industry.
- Motivating the faculty members to publish quality research papers and to take up funded projects
- To encourage students participate in Institutional level miniprojects, kindle their interest in Creativity and Innovation and hence make them participate in National
- To encourage students and faculty focus towards Applied research, entrepreneurship
- To conduct FDPs, Seminars, Webinars, National and International conferences for faculty quality improvement
- To strengthen the promotion of students' progression towards Higher education by giving training in competitive examinations like GATE,CAT, GRE ,TOEFL,IELTS etc.,
- .To promote new ideas and build start-up culture among students and faculty members
- To apply for NBA Accreditation