YEARLY STATUS REPORT - 2021-2022

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./Alternate phone no.	08624252611
• Mobile no	9912355502
• Registered e-mail	necgudur@necg.ac.in
• Alternate e-mail	principal@necg.ac.in
• Address	DURJATI NAGAR
• City/Town	GUDUR
• State/UT	ANDHRA PRADESH
• Pin Code	524101
2.Institutional status	
• Affiliated /Constituent	AUTONOMOUS
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing

• Name of the Affiliating University	**Jawaharlal Nehru Technological University Anantapur**
• Name of the IQAC Coordinator	**Dr.D Nagaraju**
• Phone No.	**08624252611**
• Alternate phone No.	**08624252611**
• Mobile	**9392901131**
• IQAC e-mail address	**iqac@necg.ac.in**
• Alternate Email address	**necgudur@necg.ac.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.necg.ac.in/IQAC/pdf/AQAR-2020%20-21.pdf
4.Whether Academic Calendar prepared during the year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.necg.ac.in/academic-calender.php

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 funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Narayana Engineering College, Gudur	**HI-BI**	**MSME**	**2020**	**3.5 Crores**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**
• Upload latest notification of formation of IQAC	View File

9.No. of IQAC meetings held during the year	2	
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes	
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Whether IQAC received funding from any of the 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)

Motivated the staff members to improve their research aptitude
To Improve the academic and administrative performance of the institute by individual contibution
monitoring outcomes of workshops,seminars and training at institute
Implementation of OBE by training faculty
Removed hurdles in running the Feedback system effectively for continuous improvement

12.Plan of action chalked out by the IQAC in 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
To improve ICT usage in teaching process	1. Number of teachers using ICT increased 2. Number of topics teached using ICT increased

13.Whether the AQAR was placed before statutory body?	Yes
• Name of the statutory body	

Name	Date of meeting(s)
Governing Body	08/08/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2021-22	12/01/2023

15.Multidisciplinary / interdisciplinary

Narayana Engineering College, Gudur offers multidisciplinary education for students interested in practicing around a focused concentration by combining or involving several academic disciplines. It aims to improve the overall development of human beings -intellectual, aesthetic, social, physical, emotional, and moral in an integrated manner. Our institute has the flexibility to frame curriculum and syllabus to meet the multidisciplinary/Interdisciplinary approach requirements. The institute offers credit-based courses and projects in the areas of environmental education and value-based education. The students who are desirous of pursuing their special interest areas other than the chosen discipline of Engineering may opt for additional courses in minor specialization groups offered by a department other than their parent department. The institute included minor programs in the regular curriculum for the students, and students can opt for the same in 4th semester. The institute also offers Interdisciplinary in core engineering courses as open electives that provide students with a strong foundation, evolving technology necessitates new methods and approaches to progress, prosperity, and the inculcation of problem-solving techniques. The institute included an honors program in the regular curriculum for the students. They can select the additional and advanced courses from their parent branch in which they are pursuing the degree and get an honors degree. A student shall register for the Honors program in 4th semester. Honors degree must be completed simultaneously with a major degree program.

16.Academic bank of credits (ABC):

Narayana Engineering College, Gudur is taking initiatives to deposit the student-earned credits for all the programmes offered in the academic bank credit (ABC) to promote student-centricity in higher education across the country through learner-friendly practices and a more interdisciplinary approach to higher education. The institute has registered in the National Academic Depository (NAD) portal for

depositing students' academic records as per the government directions, through this mechanism, students will get benefited from pursuing higher studies that require a credible, authentic, and convenient mechanism for access, retrieval, and validation of such academic awards. Academic records maintained in paper form are susceptible to hazards such as spoilage and forgery. Students often face difficulties in obtaining copies of their certificates/mark sheets whenever they are lost or destroyed. Maintaining academic awards in a digital depository would enable educational institutions, students, and employers' online access/retrieval/verification of digitized academic awards and eliminate fraudulent practices such as forging certificates and mark sheets.

17.Skill development:

The institute incorporated skill-based credit courses along with regular courses in the curriculum as per the guidelines given by AICTE and APSCHE. Students can also opt for skill courses from other domains apart from regular ones. The student shall be given the option to choose a certificate course offered by industries/Professional bodies/APSSDC or any other accredited bodies. Apart from these, the institute offers skill development programmes i.e. Value added courses, industry oriented courses, carrier competency development courses to enrich students' skills. Students shall undergo mandatory summer internships for a minimum of Four weeks duration at the end of the second and third years of the Programme. There shall also be a mandatory full internship in the final semester of the Programme along with the project work. All these initiatives reflect an increase in placement percentage and packages.

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

The promotion of Indian languages is only possible if they are utilized regularly and for teaching and learning purposes. Our institute organizes the events and competitions like essay writing, and elocution competitions in the regional languages and prizes are distributed to top-performing students. NEC Gudur autonomy curriculum includes the following courses to improve Indian culture and heritaze Sociology Society and culture, Universal Human Values, professional values and ethics, human relations at work, environmental sciences etc,. The ability to communicate in Indian languages will be considered part of the qualification criteria for job openings. The institute also offers a Massive Open Online Course (MOOC) as a mandatory course in our curriculum to train and skill

students in a digital learning platform. Video lectures, books, animations, quizzes, simulation construction, and other activities are used to cover different courses. Technical query resolution forum and peer discussion forum.

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

For the implementation of OBE, the initial phase is to design the curriculum, particularly the types of courses, the number of electives, and the curricular structure, with complete details of the course title and course contents as per the regulations. In the next phase, the Course Outcomes (COs) for every course are mapped with the Program Outcomes (POs) of the NBA and the Program Specific Outcomes (PSOs) of the program. Effective implementation of this Outcome-Based Education (OBE) ensures that our graduating engineers have all the 12 POs defined by the NBA and hence can compete on a global platform and have expected global attributes. Specific to every program, three Program Educational Objectives (PEOs) are measured through the stakeholder's feedback. The institute keenly observes the attainment of POs and PSOs for the respective programs related to the Vision and Mission of the departments.

20.Distance education/online education:

As online education has gained importance in the pandemic days, new trends have taken their way in education to inculcate advanced learning techniques. As a result, the knowledge and performance of the students will enhance. For a long time, it is being observed that the inculcation of technology through digital presentations has dominated because of the facility of the Internet which reshaped the current trend of education. E-learning is vast and unlimited, all the time and places where the learning path and pace are determined by the learner. During the pandemic period, the institute faculty successfully delivered lectures on the online platform, conducted online tests, and essentially delivered lab courses through various virtual lab platforms provided by the Ministry of Higher Education Government of India. The seminar and project work evaluations were also conducted in the virtual environment. The online platform is extensively used to conduct webinars and lectures during the lockdown. Since 2020 its autonomy, the institute has made sincere efforts to include self-learning by introducing MOOC courses as mandatory offered by NPTEL. Virtual labs are introduced in every regulation from NECR 20 onwards to promote self-learning and inquisitiveness in students. In the regulation effective from NECR 20, apart from the graduation program, the student can also get an honors degree in a specialized domain by crediting courses in NPTEL. In line with the developments in Learning Management Systems (LMS),

the college intends to encourage students to do online courses in MOOCs, offered internationally. The main intention to introduce MOOCs is to obtain enough exposure through online tutorials, self-learning at one's own pace, attempting quizzes, discussing with professors from various universities, and finally obtaining a certificate of completion for the course from the MOOCs providers.

Extended Profile

1.Programme

1.1	**10**
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	[View File](#)

2.Student

2.1	**1681**
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2	**219**
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	[View File](#)

2.3	**331**
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1	**140**

Number of full time teachers during the year	

File Description	Documents
Data Template	View File

| 3.2

Number of sanctioned posts during the year	**140**

File Description	Documents
Data Template	View File

4.Institution	
4.1

Total number of Classrooms and Seminar halls | **35 class rooms & 7 seminar halls** |
| 4.2

Total expenditure excluding salary during the year (INR in lakhs) | **61483601** |
| 4.3

Total number of computers on campus for academic purposes | **593** |

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The comprehensive curricula of various departments couple the recent technologies and the opportunities at different levels.

Curriculum Development: Both technical and behavioral skills are imparted to the students with the following factors:

1. Syllabus of various reputed Indian Institutes

2. Model curriculum prescribed by the AICTE and APSCHE

3. Suggestions by industry experts and alumni

4. Syllabi of various competitive exams like GATE, and IES

Outcome-Based Education (OBE) Implementation in the Curriculum: We implement a comprehensive quality methodology with the following Program Educational Objectives (PEOs). These are specific, measurable and their alignment with the Vision and Mission of the departments is regularly monitored.

1. Curriculum Design (Type of courses, number of electives, and the curricular structure) as per the regulations.

2. Mapping of Course Outcomes (COs) for every course with the Program Outcomes (POs) of the NBA and the Program Specific Outcomes (PSOs) of the program.

3. OBE Implementation: Ensuring that our graduating engineers have all the 12 POs defined by the NBA.

Process for Curriculum Development: It includes the following steps:

1. Initial version - The proposed curriculum is prepared by HOD and senior faculty members.

2. Board of Studies (BOS) meeting - Put forth for expert review (industry, academia, alumni, and senior faculty members).

3. Final Draft Preparation - Amalgamation of the courses, elective courses, and value-added courses, with the existing syllabus.

4. Forwarding for the academic council's approval

5. Publication on the institute website

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.necg.ac.in/Autonomous-syllabus.php

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of commencement, last working day of the semester, Internship schedule and dates for semester-end examinations. NEC is an autonomous

college, it prepares autnomous academic calender.The schedule of academics and events in a semester is regulated by the Academic Calendar, and released at the beginning of each academic Semester. The Academic Calendar will be announced at least one calendar month before the commencement of each academic Semester. It is mandatory for students and faculty to strictly adhere to the academic calendar for completion of academic activities. The compliances of the Academic Calendar are monitored by Internal Quality Assurance Cell(IQAC).

The academic activities of the college are governed by academic calendar prepared by IQAC along with Dean academics and HODs. After the approval of Head of the Institution, it shall be notified at the beginning of the semester.

The academic calendars help faculty members to plan their respective course delivery research work academic and co-curricular activities. Department heads closely supervise and monitor the completion of the syllabus as per the lesson plan prepared by faculty members. Syllabus coverage for each CIE is decided well in advance and faculty members adhere to it.

Mid term examinations, Assignment and term work are part of the ContiniousInternalEvaluation (CIE)

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://www.necg.ac.in/academic-calender.php

1.1.3 - Teachers of the Institution participate in E. None of the above
following activities related to curriculum
development and assessment of the affiliating
University and/are represented on the
following academic bodies during the year.
Academic council/BoS of Affiliating University
Setting of question papers for UG/PG
programs Design and Development of
Curriculum for Add on/ certificate/ Diploma
Courses Assessment /evaluation process of the
affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	**No File Uploaded**
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

10

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	[View File](#)
Institutional data in prescribed format (Data Template)	[View File](#)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

17

File Description	Documents
Any additional information	[View File](#)
Brochure or any other document relating to Add on /Certificate programs	[View File](#)
List of Add on /Certificate programs (Data Template)	[View File](#)

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1123

File Description	Documents
Any additional information	[View File](#)
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View File](#)

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability 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 programs. 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.

1. Gender Sensitivity

Gender sensitization is as part of the curriculum by the university, which covers Gender inequality, declining Sex ratio, sexual Harassment, domestic violence etc. Even though it is in syllabus different activities relating to gender issues are conducted by the college through Women's forum.

2. Environment and Sustainability

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 like ozone day, earth day, environmental day, water conservation day etc.

3. Human Values and Professional Ethics

A course on Human values and Professional Ethics in Engineering mainly deals with the ethical aspects for the prosperity of organization and for personal development of students. Even though

it is in syllabus different activities are being conducted bylike the college through HVPE Cell.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

25

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

548

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://www.necg.ac.in/stakeholder.php
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.necg.ac.in/stakeholder.php

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

521

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

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

supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

213

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

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

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

Activities for slow learners –

1. Extra classes are taken for the required subjects.
2. Question bank with key is provided.
3. Individual counseling
4. They are counseled and offered guidance in various academic activities.
5. Encouraged to improve their academic performance by paying special attention in class.
6. After mid examination, based on the performance, remedial classes are conducted.
7. Self learning sessions are arranged.

Activities for advanced learners –

1. Special program on C language is conducted.

2. **Personality Development Classes**
3. **Extra books are provided in the library.**
4. **They are encouraged to refer NPTEL videos, e-books etc**

Later from second year onwards, classification of slow learners and advanced learners is based on their performance in the end examination.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-ii/Catering-to-Student-Diversity/2.2.1%20-%20The%20institution%20assesses%20the%20learning%20levels%20of%20the%20students%20and%20organizes%20special%20Programmes%20for%20advanced%20learners%20and%20slow%20learners%20.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1681	140

File Description	Documents
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:-

A. Lab Experiments:

The students are taught to practically test the concepts that they theoretically learnt in the classroom.

B. 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.

C. Internships:

During academic semesters students take up internships which gives students an opportunity to apply the theories and principles,

D. Project exhibitions:

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

E. 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,

F. Active learning Methods:

The Active Learning Methods are planned prior to the commencement of class work. Course Plans give details of activities.

G. Conferences and Symposia :

Institute organizes many conferences and symposia, where the students are encouraged to actively participate.

H. Student clubs:

In order to pursue the interest in their area of specialization, students' clubs are functional. Some of the students Clubs are hobby clubs (Swara, Vacha, Varna etc) and Technical Clubs (coding Club, circuit club etc).

I. Problem solving methodologies:-

Problem based learning is a student centered pedagogy in which students learn about a subject through the experience of solving an open ended problem given in a class room.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-ii/Teaching-Learning-Process/2.3.1.pdf

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

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.

The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes.

The staff and students have access to technology and information retrieval on current and relevant issues. Faculty members use working models, charts, PPTs, videos, and animations to present the important/difficult theoretical concepts. Faculty also uploads videos, PPTs, tutorials; assignments lecture notes and other relevant materials through LMS (Learning Management System).

The Institute subscribes to various online resources like IEEE, Digital Library and DELNET. Faculty members are encouraged to use the NPTEL videos for a better teaching-learning environment. Use of classrooms with web-based teaching facilities by teachers to illustrate the concept clearly through audio/video mode helps the students to understand better.

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
Upload any additional information	[View File](#)
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	[View File](#)

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

`77`

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	[View File](#)
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	[View File](#)

2.4 - Teacher Profile and Quality

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

`140`

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	[View File](#)
Any additional information	[View File](#)
List of the faculty members authenticated by the Head of HEI	[View File](#)

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

18

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

5

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in internal assessment, the system of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process. Continuous Internal Evaluation (CIE): Means evaluation of students' achievement in the learning process. CIE shall be done by the Course Instructor and includes tests, assignments, problem solving, group discussion, quiz, mini-project and seminar throughout the Semester, with weightage for the different components being fixed at the institute level. Tests are conducted regularly as per the schedule given in academic calendar. The weightage for the mid tests varies as per the

concerned faculty. The performance of the students is displayed on the Notice board and communicated to the students. Personal guidance is given to the poor performing the students after their assessment.

For transparent and robust for internal assessment, the following mechanisms are conducted

- Internal Examination Committee.
- Question Paper Setting
- Conduct of Examination
- Result display
- Interaction with students regarding their internal assessement.

Due to internal assessment, the interest of the student towards learning and attending the classes has been also increased. It has created the interest among the students to take active participation in various co-curricular and extra-curricular activities The seminar presentation improves the communication skills of the students which is very essential to face the interviews.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has devised an efficient mechanism to deal with examination related grievances which transparent in the pattern and conduction of CIE and rectification of grievances is time bound. The college follows strictly the guidelines and rules issued by the affiliating university & autonomous regulations. while conducting internals and semester-end examinations. At Institute level, an examination committee, comprising of a senior teacher as convener and other teaching and non-teaching staff as members, is constituted to handle the issues regarding evaluation process. The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are addressed by the teacher. The internal marks are displayed on the notice board. If any discrepancy like mistakes in question paper, mark allocation, correction is noticed by the students, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made. If a student is not satisfied with the marks awarded even after resolved

by the teacher, then he may represent the same to the HOD concerned. All such representations are taken positively and are reassessed by another teacher if necessary. Parents are informed about their ward's performance . Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations.

File Description	Documents
Any additional information	[View File]()
Link for additional information	[https://www.necg.ac.in/AQAR-2022/critertion-ii/Evaluation-Process-and-Reforms/2.5.2.pdf]()

2.6 - Student Performance and Learning Outcomes

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

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

1. Website
2. Curriculum /regulations books
3. Class rooms
4. Department Notice Boards
5. Laboratories
6. Student Induction Programs
7. Meetings
8. Library

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

Program Outcomes (POs) are broad statements that describe the

professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program.

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

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

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://www.necg.ac.in/CSE/co.php
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

1. List of Assessment Tools and processes:

Attainment of POs and PSOs is based on direct assessment tool as well as indirect assessment tool.

1. Direct Assessment Tool:

- Direct assessment of POs and PSOs is based on the students' performance in both internal examinations and university examinations for all courses.
- Performance of all the students in different assessments such as internal examinations and university examinations lead to attainment of COs which in turn lead to attainment of POs and PSOs based on the mapping of COs with POs and PSOs.
- Direct Assessment Tool is given 80% weightage in the attainment of POs and PSOs.

1. Indirect Assessment Tools:

- The indirect assessment tools that are used for attainment of

POs and PSOs are
- Graduate Exit Survey (10% weightage)
- Alumni Survey (5% weightage)
- Employer Survey (5% weightage)

1. The quality and Relevance of the Process used for measuring Attainment of POs and PSOs:

a. Direct Assessment

b. Indirect Assessment:

The Indirect assessment Tools are Graduate Exit Survey, Alumni Survey and Employer Survey

Collect the Surveys and calculate the weighted average for each survey as mentioned below.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

411

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.necg.ac.in/AQAR-2022/critertion-vi/Internal-Quality-Assurance-System/6.5.3.a-ANNUAL%20REPORT(2021-22).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)

https://www.necg.ac.in/IQAC/pdf/SSS%202021-22.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

0

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	**No File Uploaded**
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.2 - Innovation Ecosystem

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

Narayana Engineering College, Gudur(NECG) is one of the most forwarding thinking and innovative educational institutions, started innovation and incubation center to enable its students to get firsthand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of support including mentoring, training programs, networking and other benefits.

Just as one cannot imagine a college today without a library or a place for physical activity, we believe that an incubation center in Narayana Engineering college Gudur is equally essential in today's competitive and fast changing world. Through this innovation and incubation center, students gain hands-on experience in innovation and entrepreneurship while being nurtured and encouraged by faculty, management and industry experts. It hopes to bring forth a revolution in how and what students learn and achieve while in

college.

Activities under Innovation and incubation Cell in NECG

- **Eminent personalities are invited from various industries. seminars and workshops are organized with them.**
- **To give support for entrepreneurship.**
- **To assist them in developing Innovative projects.**
- **To facilitate and provide the tools for technology development and implementation in the labs.**
- **To give assistance for doing Projects and to exhibit them, and plans for product development.**
- **To give assistance for Start ups**

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/IIIC/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

19

File Description	Documents
Report of the event	[View File](#)
Any additional information	**No File Uploaded**
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	https://www.necg.ac.in/pdf/R&D%20PROGRAM.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

86

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institution gives lot of importance to holistic development of

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

Involvement in such Community service activities helps students to become matured and socially responsible. Students are motivated to participate in need based extension activities, such as 'Swachh Bharat ', awareness programs etc. Participation in such activities 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
Paste link for additional information	https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6IkV5N296WTdETnd0eU9GVzllOTdFMEE9PSIsInZhbHVlIjoiV3ZYTDNUVG1saU5yNXhxUzgrM1pVTURpd1gwakFhWlRETTFiOEZwU3lDam80ek5ocXNLRTlMc2luWjBzeG5RUSIsIm1hYyI6IjUwYmMyNWY5NzY0M2M5MTAyYTY0OGQxNjQxM2YzNmYzNzAxODlkM2IxYjY2MmQ2MTRjNjgyZWJiNTQwYzlmN2MiLCJ0YWciOiIifQ==
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

25

File Description	Documents
Reports of the event organized	View File
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

2022

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

56

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

49

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

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 . 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.

The Institute continuously strives to create and enhance infrastructure both in terms of buildings and other facilities to provide a good teaching-learning environment.

- Canteen
- Wi-Fi Campus
- Auditorium
- Gym

- Central Library
- Sports Complex
- E-Class Rooms
- Transport / Parking
- Green Audit Campus
- Building Photos
- Institute Photos
- Fire Safety
- Potable Water Supply
- Grid Connected Solar System
- Backup Electric Supply
- Disable-Friendly & Barrier Free Environment
- Dispensary
- Media Cell
- Rain Water Harvesting
- Notice Boards

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/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, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

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

Sports and Games

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

Yoga Centre

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

Gymnasium

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

Cultural Activities

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

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/sports/Gymnasium.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

42

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-iv/Physical-Facilities/4.1.3-Classrooms%20and%20Seminar%20Halls%20with%20ICT%20Facilities.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

61483601

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	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/ltouchnecn to students and faculty for searching library materials.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	[https://www.necg.ac.in/LIBRARY/index.php](#)

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

853021.47

File Description	Documents
Any additional information	[View File](#)
Audited statements of accounts	[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 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

165

File Description	Documents
Any additional information	[View File](#)
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

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

connected to LAN and Internet has been provided to all computer labs. Single network across the campus and access to internet/intranet resources under uniform network policy are also made available. Internet Bandwidth from multiple ISP's arranged to maintain redundancy and hassle free internet connectivity.Campus is Wi-Fi enabled with high throughput.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-iv/IT-Infrastructure/4.3.1.pdf

4.3.2 - Number of Computers

653

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution   A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

61483601

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

Infrastructure Facilities,

Maintenance and utilization is carried out with the active support and involvement of in-charges of the concerned department.

Maintenance of Civil Works is looked after by the Administrative Officer (AO). He is in-charge for four divisions namely water, sewage, carpentry and Gardening.

Equipment in the Laboratories is maintained by the respective Lab In-Charge(s) as per the guidelines issued by HOD.

The Computers and Software are being maintained by the system administrator of CSE department.

Electrical maintenance is looked after by the HOD of EEE department and equipment is being maintained by trained technicians.

Library is headed by the LIO. The issue and return of books and maintenance of LMS software are carried out by the librarian and supporting staff.

Physical education is facilitated by the physical director to train the students. The physical Director makes the play fields ready for Indoor & outdoor games.

The college health center is governed by the qualified Medical officer and it is supported by a professional pharmacist and a nurse.

The Security system of the college is headed by the AO. Security officer along with security guards control and monitor the college premises.

Detailed information on maintenance is provided in additional information.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/IQAC/pdf/Procedures.pdf

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

968

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	[View File](#)
Upload any additional information	[View File](#)
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	[View File](#)

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

370

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://www.necg.ac.in/AQAR-2022/critertion-v/Student-Support/5.1.3%20Capacity%20Development%20and%20Skill%20Enhancement%20activities.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1248

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1248

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

251

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

1

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at univer sity/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/pdf/Committees.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

10

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

The institute has established a "Alumni Association of Narayana Engineering College Gudur" (AANECG) 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. AANECG 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:

1. They intimate the current scenario for placements, expectations from the industry, and potential job opportunities.
2. Alumni members are invited to deliver guest lectures and also as the resource persons for workshops and seminars on recent trends in technology.
3. Alumni feedback is taken periodically to understand the curricular gaps and recent market trends.
4. They support in conduction of industrial visits at their organization.
5. Alumni provides the sponsorships for different events organized by the institute every year.
6. Alumni members actively participate as judges in various technical and non-technical competitions organized by the institution.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)   C. 3 Lakhs - 4Lakhs

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 and in tune with the vision and mission of the institution

The empowered team of the college involves Principal, convener of different committees,

Teaching-staff, IQAC committee, non-teaching / supporting staff, student representative, stakeholders, alumni etc.

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

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

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

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

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

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

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

The institute having been a support for participative management

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

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

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/governing-body.php
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Institutional Strategic/ Perspective Plan

CORE VALUES

NECfocused on eight core values detailed below:

1. Contributing to National Development

2. Fostering Global Competencies among Students

3. Inculcating a Value System among Students

4. Promoting the Use of Technology & Innovation

5. Quest for Excellence

6. Integrity

7. Transparency

8. Empathy

STRATEGIC GOALS

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

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

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Strategy-Development-and-Deployment/6.2.1.pdf
Upload any additional information	[View File](#)

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

NEC Gudur has a well established organizational structure to execute smooth functioning of administrative and academic areas. Various bodies are formulated which constitute the organizational chart. Governing body is the highest decision making body constituting

members from the management, Principal, faculty, members from AICTE, JNTUA, State Government and other nominees from Educational and Industrial sectors. The Governing body approves the various academic and administrative activities of the college.

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

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

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

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 inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

NEC 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.**
- **TA & DA for Official Work**
- **Membership fee to Professional Chapters**
- **Subsidized Canteen**
- **Yoga and recreation Classes**
- **Fee Concession for Teaching Children's**
- **Best Teacher Award**
- **All the non-doctoral staff members are encouraged to get enrolled for a part-time Ph.D. program.**
- **Subsidized on medical facilities in Narayana Medical Hospital**
- **Internet and free Wi-Fi facilities are also available in campus for staff**
- **Faculty members are provided with an Individual cabin and computer system.**

Non Teaching Staff:

- **TA & DA for Official Work**
- **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
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Faculty-Empowerment-Strategies/6.3.1.pdf
Upload any additional information	View File

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

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

122

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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

19

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

122

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Performance management is a method used to measure and to improve effectiveness of Employees at the work place. It is a system comprising of several activities including Teaching-Learning and Evaluation, Co-Curricular, Extension, Professional Development, Research and Allied contribution. In the beginning of the academic year a circular is sent to all the faculty members about Faculty

Performance Appraisal System along with various Appraisal Parameters and also explained the same during faculty orientation programs. In the end of the academic year, all the faculty members are asked to submit the Faculty Performance Appraisal which is filled based on the guide lines. Based on the Evaluation parameters the performance of the Faculty members is self evaluated. The appraisal committee members (HOD and Principal) discuss with the faculty member about their Performance with respect to the Appraisal Performance Report (APR) and future plans for the growth of department and institution. Based on the discussion with the faculty members and APR score, the appraisal committee members gives the report on faculty performance and also give the suggestions for the betterment to their future The Appraisal Form is a privileged document. It should be treated with confidentiality. Receipt/dispatch of the Forms should be done in a secure/confidential envelope. The Form should finally get filed in the personal file of the individual.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Faculty-Empowerment-Strategies/6.3.5%20-%20Institutions%20Performance%20Appraisal%20System%20for%20teaching%20and%20non-%20teaching%20staff%20.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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

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

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

494300

File Description	Documents
Annual statements of accounts	[View File](#)
Any additional information	[View File](#)
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	[View File](#)

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization 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
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

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 NECR21

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 wereincorporated.

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 curricular/co-curricular/extra co-curricular performances.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institutionalreviews of the implementationsfor variousTeaching Learningreforms 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 andenforces teachers to utilize these tools in classroom teaching and laboratories.

Outcome:It became a quality mandate to all the teaching staffto include/adoptICT tool usageplan 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. IQACmonitors its compliance with academic calendarand enforces effective course delivery.

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

Reform-3: Student Feedback

IQAC Review: IQAC has reviewed the teaching learning reforms facilitated through comprehensive performance systems by the followingstudent 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 are submitted to the principal, NEC Nellorefor action taken/appreciationand the same is published in the college website.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/IQAC/feedback%20tlp.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.necg.ac.in/IQAC/index.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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 sate/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
Annual gender sensitization action plan	https://www.necg.ac.in/pdf/LIST%20OF%20ACTIVITIES%20DONE%20IN%202021-22.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.necg.ac.in/womens-forum.php

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

A. 4 or All of the above

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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
Geo tagged photographs of the facilities	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

A. Any 4 or all of the above

File Description	Documents
Geo tagged 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
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

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	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen   reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the 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 socioeconomic and other

diversities (within 200 words).

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

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

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

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)
Any other relevant information	[View File](#)

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

Narayana Engineering College focuses explicitly on the development of human values and professional ethics among the students and also emphasizes its importance for the teaching and nonteaching employees of it. To inculcate these values, it organizes various programs for students in which they actively participate. Such programs are blood donation camps, an Anti-Ragging awareness program, Indian Constitution day, and World Environment day. Not only the students but also employees of NEC participate in such programs nearby rural

areas and contribute towards society in their purview. Teaching and non-teaching fraternity along with students contribute to their monetary and non-monetary services during the calamities. Professional ethics and Human values play a very prominent role in the life of teachers, students, and the institution. Educational Institutions have a predominant role in shaping society. It is very essential for every educational institution to inculcate values among the students in extending their duties and responsibilities. Teachers play a crucial role in moulding the students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.necg.ac.in/AQAR-2022/critertion-vii/Institutional-Values-and-Social-Responsibilities/7.1.9%20-%20Sensitization%20of%20students%20and%20employees%20of%20the%20Institution%20to%20the%20constitutional%20obligations%20values,%20rights,%20duties%20and%20responsibilities%20of%20citizens%20.pdf
Any other relevant information	https://www.necg.ac.in/AQAR-2022/critertion-vii/Institutional-Values-and-Social-Responsibilities/7.1.9%20-%20Sensitization%20of%20students%20and%20employees%20of%20the%20Institution%20to%20the%20constitutional%20obligations%20values,%20rights,%20duties%20and%20responsibilities%20of%20citizens.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on 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 programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

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

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

Independence Day:

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

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

Engineer's day:

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

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

Gandhi Jayanti:

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

Republic Day:

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

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<u>View File</u>
Geo tagged photographs of some of the events	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

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

Best Practice-1

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

Best Practice-2

1.Title of the practice: Students' centric approach

2.Objective:

- **To create a platform for the students to get industry exposure.**

- **To bridge the gap between academia and industry.**

3.The Context:

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

  Best Practice-3

  1.Title: Clean Campus and Green Campus

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

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

File Description	Documents
Best practices in the Institutional website	https://www.necg.ac.in/IQAC/pdf/best%20practices.pdf
Any other relevant information	https://www.necg.ac.in/AQAR/critertion-ii/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

1. **The Institute is to be one among the premier institutions of the country in producing ethically strong and technically sound Engineers and Managers to serve the nation.**
2. **The institute consistently provides the best learning experience and in the most creative learning environment in engineering education and to produce socially responsible engineers and managers.**
3. **In line with the institute's mission statement and to**

accomplish the vision and translate it into a reality, the institution has been using:

1. The best teaching learning methodologies like participative learning, experiential learning etc.
2. The industrial collaboration is strengthened to imbibe professional qualities in students for making them conversant with industrial practices.
3. The college strives to inculcate employability skills among students so that they can become independent and employment ready once they are graduates.
4. The college arranges many industrial visits to give exposure and experiential learning to students.
5. Guidance on Career Plans to help sketch their future.
6. Our college has a very active placement cell as we firmly believe in providing opportunities to our students as much as we can from our end and shaping their careers by the time they are in their 3rd and final year.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

The comprehensive curricula of various departments couple the recent technologies and the opportunities at different levels.

Curriculum Development: Both technical and behavioral skills are imparted to the students with the following factors:

1. Syllabus of various reputed Indian Institutes

2. Model curriculum prescribed by the AICTE and APSCHE

3. Suggestions by industry experts and alumni

4. Syllabi of various competitive exams like GATE, and IES

Outcome-Based Education (OBE) Implementation in the Curriculum: We implement a comprehensive quality methodology with the following Program Educational Objectives (PEOs). These are specific, measurable and their alignment with the Vision and Mission of the departments is regularly monitored.

1. Curriculum Design (Type of courses, number of electives, and the curricular structure) as per the regulations.

2. Mapping of Course Outcomes (COs) for every course with the Program Outcomes (POs) of the NBA and the Program Specific Outcomes (PSOs) of the program.

3. OBE Implementation: Ensuring that our graduating engineers have all the 12 POs defined by the NBA.

Process for Curriculum Development: It includes the following steps:

1. Initial version - The proposed curriculum is prepared by HOD and senior faculty members.

2. Board of Studies (BOS) meeting - Put forth for expert review (industry, academia, alumni, and senior faculty members).

3. Final Draft Preparation - Amalgamation of the courses, elective courses, and value-added courses, with the existing syllabus.

4. Forwarding for the academic council's approval

5. Publication on the institute website

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://www.necg.ac.in/Autonomous-syllabus.php

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of commencement, last working day of the semester, Internship schedule and dates for semester-end examinations. NEC is an autonomous college, it prepares autnomous academic calender.The schedule of academics and events in a semester is regulated by the Academic Calendar, and released at the beginning of each academic Semester. The Academic Calendar will be announced at least one calendar month before the commencement of each academic Semester. It is mandatory for students and faculty to strictly adhere to the academic calendar for completion of academic activities. The compliances of the Academic Calendar are monitored by Internal Quality Assurance Cell(IQAC).

The academic activities of the college are governed by academic calendar prepared by IQAC along with Dean academics and HODs. After the approval of Head of the Institution, it shall be notified at the beginning of the semester.

The academic calendars help faculty members to plan their respective course delivery research work academic and co-curricular activities. Department heads closely supervise and monitor the completion of the syllabus as per the lesson plan prepared by faculty members. Syllabus coverage for each CIE is decided well in advance and faculty members adhere to it.

Mid term examinations, Assignment and term work are part of the

ContiniousInternalEvaluation (CIE)

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	https://www.necg.ac.in/academic-calender.php

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	**E. None of the above**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	**No File Uploaded**
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

10

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	[View File](#)
Institutional data in prescribed format (Data Template)	[View File](#)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

17

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

1123

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability 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 programs. 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.

1. Gender Sensitivity

Gender sensitization is as part of the curriculum by the university, which covers Gender inequality, declining Sex ratio,

sexual Harassment, domestic violence etc. Even though it is in syllabus different activities relating to gender issues are conducted by the college through Women's forum.

2. Environment and Sustainability

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 like ozone day, earth day, environmental day, water conservation day etc.

3. Human Values and Professional Ethics

A course on Human values and Professional Ethics in Engineering mainly deals with the ethical aspects for the prosperity of organization and for personal development of students. Even though it is in syllabus different activities are being conducted bylike the college through HVPE Cell.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

25

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	**No File Uploaded**
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

548

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	**A. All of the above**

File Description	Documents
URL for stakeholder feedback report	http://www.necg.ac.in/stakeholder.php
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows	**A. Feedback collected, analyzed and action taken and feedback available on website**

File Description	Documents
Upload any additional information	[View File](#)
URL for feedback report	http://www.necg.ac.in/stakeholder.php

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

521

File Description	Documents
Any additional information	[View File](#)
Institutional data in prescribed format	[View File](#)

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

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

213

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 the learning levels of the students and organizes special Programmes for advanced learners and slow learners

The institution facilitates special learning, based on the academic capabilities of each student by analyzing their learning levels after admission. Initially, after the admission, prior to

the commencement of the course at the beginning of programme, Intermediate marks are taken into consideration to assess the learning levels of the students. The Faculty analyzes the students for their learning levels through a pre-defined procedure based on intermediate marks and classify the students into the slow and advanced learners.

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

Activities for slow learners –

1. Extra classes are taken for the required subjects.
2. Question bank with key is provided.
3. Individual counseling
4. They are counseled and offered guidance in various academic activities.
5. Encouraged to improve their academic performance by paying special attention in class.
6. After mid examination, based on the performance, remedial classes are conducted.
7. Self learning sessions are arranged.

Activities for advanced learners –

1. Special program on C language is conducted.
2. Personality Development Classes
3. Extra books are provided in the library.
4. They are encouraged to refer NPTEL videos, e-books etc

Later from second year onwards, classification of slow learners and advanced learners is based on their performance in the end examination.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-ii/Catering-to-Student-Diversity/2.2.1%20-%20The%20institution%20assesses%20the%20learning%20levels%20of%20the%20students%20and%20organizes%20special%20Programmes%20for%20advanced%20learners%20and%20slow%20learners%20.pdf
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1681	140

File Description	Documents
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:-

A. Lab Experiments:

The students are taught to practically test the concepts that they theoretically learnt in the classroom.

B. 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.

C. Internships:

During academic semesters students take up internships which gives students an opportunity to apply the theories and principles,

D. Project exhibitions:

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

E. 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,

F. Active learning Methods:

The Active Learning Methods are planned prior to the commencement of class work. Course Plans give details of activities.

G. Conferences and Symposia :

Institute organizes many conferences and symposia, where the students are encouraged to actively participate.

H. Student clubs:

In order to pursue the interest in their area of specialization, students' clubs are functional. Some of the students Clubs are hobby clubs (Swara, Vacha, Varna etc) and Technical Clubs (coding Club, circuit club etc).

I. Problem solving methodologies:-

Problem based learning is a student centered pedagogy in which students learn about a subject through the experience of solving an open ended problem given in a class room.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-ii/Teaching-Learning-Process/2.3.1.pdf

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

in maximum of 200 words

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.

The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes.

The staff and students have access to technology and information retrieval on current and relevant issues. Faculty members use working models, charts, PPTs, videos, and animations to present the important/difficult theoretical concepts. Faculty also uploads videos, PPTs, tutorials; assignments lecture notes and other relevant materials through LMS (Learning Management System).

The Institute subscribes to various online resources like IEEE, Digital Library and DELNET. Faculty members are encouraged to use the NPTEL videos for a better teaching-learning environment. Use of classrooms with web-based teaching facilities by teachers to illustrate the concept clearly through audio/video mode helps the students to understand better.

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
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

77

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

140

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

18

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

5

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

The college has transparent and robust evaluation process in terms of frequency and variety. In order to ensure transparency in internal assessment, the system of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process. Continuous Internal Evaluation (CIE): Means evaluation of students' achievement in the learning process. CIE shall be done by the Course Instructor and includes tests, assignments, problem solving, group discussion, quiz, mini-project and seminar throughout the Semester, with weightage for the different components being fixed at the institute level. Tests are conducted regularly as per the schedule given in academic calendar. The weightage for the mid tests varies as per the concerned faculty. The performance of the students is displayed on the Notice board and communicated to the students. Personal guidance is given to the poor performing the

students after their assessment.

For transparent and robust for internal assessment, the following mechanisms are conducted

- Internal Examination Committee.
- Question Paper Setting
- Conduct of Examination
- Result display
- Interaction with students regarding their internal assessement.

Due to internal assessment, the interest of the student towards learning and attending the classes has been also increased. It has created the interest among the students to take active participation in various co-curricular and extra-curricular activities The seminar presentation improves the communication skills of the students which is very essential to face the interviews.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has devised an efficient mechanism to deal with examination related grievances which transparent in the pattern and conduction of CIE and rectification of grievances is time bound. The college follows strictly the guidelines and rules issued by the affiliating university & autonomous regulations. while conducting internals and semester-end examinations. At Institute level, an examination committee, comprising of a senior teacher as convener and other teaching and non-teaching staff as members, is constituted to handle the issues regarding evaluation process. The teacher distributes evaluated answer scripts to students, and any clarifications or grievances are addressed by the teacher. The internal marks are displayed on the notice board. If any discrepancy like mistakes in question paper, mark allocation, correction is noticed by the students, the concerned teacher will resolve the discrepancy, and the necessary corrections will be made. If a student is not satisfied with the marks awarded even after resolved by the teacher, then he may

represent the same to the HOD concerned. All such representations are taken positively and are reassessed by another teacher if necessary. Parents are informed about their ward's performance . Students are counseled by the faculty mentor, and remedial classes are conducted for students who have failed in the examinations.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-ii/Evaluation-Process-and-Reforms/2.5.2.pdf

2.6 - Student Performance and Learning Outcomes

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

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

1. Website
2. Curriculum /regulations books
3. Class rooms
4. Department Notice Boards
5. Laboratories
6. Student Induction Programs
7. Meetings
8. Library

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

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

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

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

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	https://www.necg.ac.in/CSE/co.php
Upload COs for all Programmes (exemplars from Glossary)	[View File](#)

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

1. List of Assessment Tools and processes:

Attainment of POs and PSOs is based on direct assessment tool as well as indirect assessment tool.

1. Direct Assessment Tool:

- Direct assessment of POs and PSOs is based on the students' performance in both internal examinations and university examinations for all courses.
- Performance of all the students in different assessments such as internal examinations and university examinations lead to attainment of COs which in turn lead to attainment of POs and PSOs based on the mapping of COs with POs and PSOs.
- Direct Assessment Tool is given 80% weightage in the attainment of POs and PSOs.

1. Indirect Assessment Tools:

- The indirect assessment tools that are used for attainment of POs and PSOs are
  - Graduate Exit Survey (10% weightage)
  - Alumni Survey (5% weightage)
  - Employer Survey (5% weightage)

1. The quality and Relevance of the Process used for measuring Attainment of POs and PSOs:

a. Direct Assessment

b. Indirect Assessment:

The Indirect assessment Tools are Graduate Exit Survey, Alumni Survey and Employer Survey

Collect the Surveys and calculate the weighted average for each survey as mentioned below.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

411

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://www.necg.ac.in/AQAR-2022/critertion-vi/Internal-Quality-Assurance-System/6.5.3.a-ANNUAL%20REPORT(2021-22).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)

https://www.necg.ac.in/IQAC/pdf/SSS%202021-22.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

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

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

0

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	No File Uploaded
List of endowments / projects with details of grants(Data Template)	No File Uploaded

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

0

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

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	No File Uploaded
Any additional information	No File Uploaded
Supporting document from Funding Agency	No File Uploaded
Paste link to funding agency website	Nil

3.2 - Innovation Ecosystem

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

Narayana Engineering College, Gudur(NECG) is one of the most forwarding thinking and innovative educational institutions, started innovation and incubation center to enable its students to get firsthand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of support including mentoring, training programs, networking and other benefits.

Just as one cannot imagine a college today without a library or a place for physical activity, we believe that an incubation center in Narayana Engineering college Gudur is equally essential in today's competitive and fast changing world. Through this innovation and incubation center, students gain hands-on experience in innovation and entrepreneurship while being nurtured and encouraged by faculty, management and industry experts. It hopes to bring forth a revolution in how and what

students learn and achieve while in college.

Activities under Innovation and incubation Cell in NECG

- Eminent personalities are invited from various industries. seminars and workshops are organized with them.
- To give support for entrepreneurship.
- To assist them in developing Innovative projects.
- To facilitate and provide the tools for technology development and implementation in the labs.
- To give assistance for doing Projects and to exhibit them, and plans for product development.
- To give assistance for Start ups

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/IIIC/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

19

File Description	Documents
Report of the event	[View File](#)
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	[View File](#)

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

0

File Description	Documents
URL to the research page on HEI website	https://www.necg.ac.in/pdf/R&D%20PROGRAM.pdf
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

86

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

4

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

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

Involvement in such Community service activities helps students to become matured and socially responsible. Students are motivated to participate in need based extension activities, such as 'Swachh Bharat ', awareness programs etc. Participation in such activities 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
Paste link for additional information	https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6IkV5N296WTdETnd0eU9GVzl1OTdFMEE9PSIsInZhbHVlIjoiV3ZYTDNUVG1saU5yNXhxUzgrM1pVTURpd1gwakFhWlRETTFiOEZwU3lDam80ek5ocXNLRTlMc2luWjBzeG5RUSIsIm1hYyI6IjUwYmMyNWY5NzY0M2M5MTAyYTY0OGQxNjQxM2YzNmYzNzAxODVkM2IxYjY2MmQ2MTRjNjgyZWJiNTQwYzlmN2MiLCJ0YWciOiIifQ==
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

7

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

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

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

25

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

2022

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

56

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

49

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

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 . 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.

The Institute continuously strives to create and enhance infrastructure both in terms of buildings and other facilities to provide a good teaching-learning environment.

- Canteen
- Wi-Fi Campus
- Auditorium
- Gym
- Central Library
- Sports Complex
- E-Class Rooms
- Transport / Parking
- Green Audit Campus
- Building Photos
- Institute Photos
- Fire Safety
- Potable Water Supply
- Grid Connected Solar System
- Backup Electric Supply
- Disable-Friendly & Barrier Free Environment
- Dispensary
- Media Cell
- Rain Water Harvesting
- Notice Boards

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/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, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

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

Sports and Games

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

Yoga Centre

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

Gymnasium

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

Cultural Activities

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

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/sports/Gymnasium.pdf

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

42

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-iv/Physical-Facilities/4.1.3-Classrooms%20and%20Seminar%20Halls%20with%20ICT%20Facilities.pdf
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

61483601

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	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/ltouchnecn to students and faculty for searching library materials.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	https://www.necg.ac.in/LIBRARY/index.php

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-	**A. Any 4 or more of the above**

books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

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

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

853021.47

File Description	Documents
Any additional information	View File
Audited statements of accounts	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 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

165

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

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The institute has an IT policy in place which specifies clearly about the procedures to be adopted for all IT facilities that are

made available in the campus. Adequate budget allocations are made regularly to establish, maintain, and upgrade these IT facilities. IT facilities include computing systems, Wi-Fi systems, cyber-security, intranet, internet, and all other software necessary for handling these systems as well as support systems like website, campus management software, library information system, MOOCs, CCTVs, biometric devices, Learning Management System (LMS), online assessments, access to online learning resources. College has a clear policy to create and enhance IT facilities to promote vertical and horizontal mobility for advancement in teaching learning methods and also in Research. The College updates the IT facilities on a regular basis. The connectivity through a fully network available campus with updated IT infrastructure, computing and communication resources, offers students the facilities of e-mail, netsurfing, up/down loading of web based applications, besides helping them in preparing for the projects and seminars. College has State-of-the-Art labs with sophisticated servers, provides highly interactive learning environment with full-fledged hardware and software training facilities. All Labs and Central Computing facilities are connected to LAN and Internet has been provided to all computer labs. Single network across the campus and access to internet/intranet resources under uniform network policy are also made available. Internet Bandwidth from multiple ISP's arranged to maintain redundancy and hassle free internet connectivity.Campus is Wi-Fi enabled with high throughput.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-iv/IT-Infrastructure/4.3.1.pdf

4.3.2 - Number of Computers

653

File Description	Documents
Upload any additional information	[View File](#)
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in	A. ? 50MBPS

the Institution

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

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

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

61483601

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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

Infrastructure Facilities,

Maintenance and utilization is carried out with the active support and involvement of in-charges of the concerned department.

Maintenance of Civil Works is looked after by the Administrative Officer (AO). He is in-charge for four divisions namely water, sewage, carpentry and Gardening.

Equipment in the Laboratories is maintained by the respective Lab In-Charge(s) as per the guidelines issued by HOD.

The Computers and Software are being maintained by the system

administrator of CSE department.

Electrical maintenance is looked after by the HOD of EEE department and equipment is being maintained by trained technicians.

Library is headed by the LIO. The issue and return of books and maintenance of LMS software are carried out by the librarian and supporting staff.

Physical education is facilitated by the physical director to train the students. The physical Director makes the play fields ready for Indoor & outdoor games.

The college health center is governed by the qualified Medical officer and it is supported by a professional pharmacist and a nurse.

The Security system of the college is headed by the AO. Security officer along with security guards control and monitor the college premises.

Detailed information on maintenance is provided in additional information.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

968

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

370

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	https://www.necg.ac.in/AQAR-2022/critertion-v/Student-Support/5.1.3%20Capacity%20Development%20and%20Skill%20Enhancement%20activities.pdf
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1248

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

1248

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

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View File](#)
Upload any additional information	[View File](#)
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

251

File Description	Documents
Self-attested list of students placed	[View File](#)
Upload any additional information	[View File](#)
Details of student placement during the year (Data Template)	[View File](#)

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

8

File Description	Documents
Upload supporting data for student/alumni	[View File](#)
Any additional information	[View File](#)
Details of student progression to higher education	[View File](#)

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

1

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

7

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

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.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/pdf/Committees.pdf
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

`10`

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

The institute has established a "Alumni Association of Narayana Engineering College Gudur" (AANECG) 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. AANECG 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:

1. They intimate the current scenario for placements, expectations from the industry, and potential job opportunities.
2. Alumni members are invited to deliver guest lectures and also as the resource persons for workshops and seminars on recent trends in technology.
3. Alumni feedback is taken periodically to understand the curricular gaps and recent market trends.
4. They support in conduction of industrial visits at their

organization.

5. Alumni provides the sponsorships for different events organized by the institute every year.

6. Alumni members actively participate as judges in various technical and non-technical competitions organized by the institution.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)	C. 3 Lakhs - 4Lakhs

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 and in tune with the vision and mission of the institution

The empowered team of the college involves Principal, convener of different committees,

Teaching-staff, IQAC committee, non-teaching / supporting staff, student representative, stakeholders, alumni etc.

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

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

All the committees take its responsibility for the plans and

activities, and successfully tackle these responsibilities in
every academic session.

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

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

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization
and participative management.

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

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

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

cooperates the HODs and faculty members in ensuring a proper academic environment in the college which may benefit the students.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/governing-body.php
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Institutional Strategic/ Perspective Plan

CORE VALUES

NECfocused on eight core values detailed below:

1. Contributing to National Development

2. Fostering Global Competencies among Students

3. Inculcating a Value System among Students

4. Promoting the Use of Technology & Innovation

5. Quest for Excellence

6. Integrity

7. Transparency

8. Empathy

STRATEGIC GOALS

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

  1. Ensuring good governance

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

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Strategy-Development-and-Deployment/6.2.1.pdf
Upload any additional information	View File

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

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

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

Officer assists the Principal in the day to day administration of the college.

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

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

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 inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

NEC 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.
- TA & DA for Official Work
- Membership fee to Professional Chapters
- Subsidized Canteen
- Yoga and recreation Classes
- Fee Concession for Teaching Children's
- Best Teacher Award
- All the non-doctoral staff members are encouraged to get enrolled for a part-time Ph.D. program.
- Subsidized on medical facilities in Narayana Medical Hospital
- Internet and free Wi-Fi facilities are also available in campus for staff
- Faculty members are provided with an Individual cabin and computer system.

Non Teaching Staff:

- TA & DA for Official Work
- 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
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Faculty-Empowerment-Strategies/6.3.1.pdf
Upload any additional information	View File

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

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

122

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 programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

19

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

122

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Performance management is a method used to measure and to improve effectiveness of Employees at the work place. It is a system comprising of several activities including Teaching-Learning and Evaluation, Co-Curricular, Extension, Professional Development,

Research and Allied contribution. In the beginning of the academic year a circular is sent to all the faculty members about Faculty Performance Appraisal System along with various Appraisal Parameters and also explained the same during faculty orientation programs. In the end of the academic year, all the faculty members are asked to submit the Faculty Performance Appraisal which is filled based on the guide lines. Based on the Evaluation parameters the performance of the Faculty members is self evaluated. The appraisal committee members (HOD and Principal) discuss with the faculty member about their Performance with respect to the Appraisal Performance Report (APR) and future plans for the growth of department and institution. Based on the discussion with the faculty members and APR score, the appraisal committee members gives the report on faculty performance and also give the suggestions for the betterment to their future The Appraisal Form is a privileged document. It should be treated with confidentiality. Receipt/dispatch of the Forms should be done in a secure/confidential envelope. The Form should finally get filed in the personal file of the individual.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/AQAR-2022/critertion-vi/Faculty-Empowerment-Strategies/6.3.5%20-%20Institutions%20Performance%20Appraisal%20System%20for%20teaching%20and%20non-%20teaching%20staff%20.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

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

the Governing body for its approval and ratification.

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

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

494300

File Description	Documents
Annual statements of accounts	[View File](#)
Any additional information	[View File](#)
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	[View File](#)

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization 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
Paste link for additional information	Nil
Upload any additional information	[View File](#)

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

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 NECR21

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 wereincorporated.

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 curricular/co-curricular/extra co-curricular performances.

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

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institutionalreviews of the implementationsfor variousTeaching Learningreforms 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 andenforces teachers to utilize these tools in classroom teaching and laboratories.

Outcome:It became a quality mandate to all the teaching staffto include/adoptICT tool usageplan 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. IQACmonitors its compliance with academic calendarand enforces effective course delivery.

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

Reform-3: Student Feedback

IQAC Review: IQAC has reviewed the teaching learning reforms facilitated through comprehensive performance systems by the followingstudent 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 are submitted to the principal, NEC Nellorefor action taken/appreciationand the same is published in the college website.

File Description	Documents
Paste link for additional information	https://www.necg.ac.in/IQAC/feedback%20tlp.pdf
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)	A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://www.necg.ac.in/IQAC/index.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	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 sate/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
Annual gender sensitization action plan	https://www.necg.ac.in/pdf/LIST%20OF%20ACTIVITIES%20DONE%20IN%202021-22.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://www.necg.ac.in/womens-forum.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

File Description	Documents
Geo tagged 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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

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](#)
Geo tagged photographs of the facilities	[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 | **A. Any 4 or all of the above**

File Description	Documents
Geo tagged 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
Geo tagged 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 are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	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	No File Uploaded

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment	A. Any 4 or all of the above

5. Provision for enquiry and information :
Human assistance, reader, scribe, soft copies
of reading material, screen   reading

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

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

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

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

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

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

Narayana Engineering College focuses explicitly on the development of human values and professional ethics among the students and also emphasizes its importance for the teaching and nonteaching employees of it. To inculcate these values, it organizes various programs for students in which they actively participate. Such programs are blood donation camps, an Anti-Ragging awareness program, Indian Constitution day, and World Environment day. Not only the students but also employees of NEC participate in such programs nearby rural areas and contribute towards society in their purview. Teaching and non-teaching fraternity along with students contribute to their monetary and non-monetary services during the calamities. Professional ethics and Human values play a very prominent role in the life of teachers, students, and the institution. Educational Institutions have a predominant role in shaping society. It is very essential for every educational institution to inculcate values among the students in extending their duties and responsibilities. Teachers play a crucial role in moulding the students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://www.necg.ac.in/AQAR-2022/critertion-vii/Institutional-Values-and-Social-Responsibilities/7.1.9%20-%20Sensitization%20of%20students%20and%20employees%20of%20the%20Institution%20to%20the%20constitutional%20obligations%20values,%20rights,%20duties%20and%20responsibilities%20of%20citizens%20.pdf
Any other relevant information	https://www.necg.ac.in/AQAR-2022/critertion-vii/Institutional-Values-and-Social-Responsibilities/7.1.9%20-%20Sensitization%20of%20students%20and%20employees%20of%20the%20Institution%20to%20the%20constitutional%20obligations%20values,%20rights,%20duties%20and%20responsibilities%20of%20citizens.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 4. Annual awareness programmes on 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 programs etc., in support of the claims	View File
Any other relevant information	**No File Uploaded**

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

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

Independence Day:

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

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

Engineer's day:

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

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

Gandhi Jayanti:

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

Republic Day:

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

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<u>View File</u>
Geo tagged photographs of some of the events	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

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

Best Practice-1

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

Best Practice-2

1. Title of the practice: Students' centric approach

2. Objective:

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

3. The Context:

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

    Best Practice-3

    1. Title: Clean Campus and Green Campus

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

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

File Description	Documents
Best practices in the Institutional website	https://www.necg.ac.in/IQAC/pdf/best%20practices.pdf
Any other relevant information	https://www.necg.ac.in/AQAR/critertion-ii/Student-Performance-and-Learning-Outcomes/2-6-2-PO-attainment-final.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

1. The Institute is to be one among the premier institutions of the country in producing ethically strong and technically sound Engineers and Managers to serve the nation.
2. The institute consistently provides the best learning experience and in the most creative learning environment in engineering education and to produce socially responsible engineers and managers.
3. In line with the institute's mission statement and to accomplish the vision and translate it into a reality, the institution has been using:
   1. The best teaching learning methodologies like participative learning, experiential learning etc.
   2. The industrial collaboration is strengthened to imbibe professional qualities in students for making them conversant with industrial practices.
   3. The college strives to inculcate employability skills among students so that they can become independent and employment ready once they are graduates.
   4. The college arranges many industrial visits to give

exposure and experiential learning to students.
5. Guidance on Career Plans to help sketch their future.
6. Our college has a very active placement cell as we firmly believe in providing opportunities to our students as much as we can from our end and shaping their careers by the time they are in their 3rd and final year.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

Plan of Action for the Academic Year 2022-23

1. To improve exposure and inculcate an entrepreneurial mindset in the students & faculty in Science & Technology.
2. To encourage faculty, to register for Ph.D. and increase their research aptitude through participation in seminars, workshops, and conferences.
3. To provide opportunities for the needy, and sincere students in the learning stage, through its "Earn while Learn" program, thereby strengthening its qualitative student base.
4. To continuously innovate, introduce new courses and remain relevant to the changing needs of the stakeholders.
5. To obtain better National Institutional Ranking Framework (NIRF) ranking
6. To enter into MOU's with prestigious corporate and industry associations
7. To encourage faculty to undertake consultancy assignments
8. To encourage faculty to organise faculty improvement programmes, national and international conferences.
9. To continue the organization extension activities for the benefit of the society and to create awareness on various social issues
10. To give additional thrust to campus placements initiatives.