

No: IQAC/NECN/AAA/2020-21

**External**  
**Academic and Administrative**  
**Audit (AAA)**

**For A.Y: 2020-21**

**Date of Audit: 25<sup>th</sup> September, 2021**

**By**

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## Preface

### **Academic and Administrative Audit**

UGC 10<sup>th</sup> five year plan document has emphasized the importance of Academic and Administrative Audit and directed all the higher education institutions to subject themselves to this process every year. It is indeed a good gesture on the part of Narayana Engineering College, Nellore to undergo this exercise. Accordingly, the Principal constituted the experts committee with the external members and requested the committee to conduct the Academic and Administrative Audit for the academic year 2020-21.

Further, the Principal has also nominated following members of the college to assist AAA committee:

#	Name of the Member	Designation
1.	Dr P Penchalaiah	Coordinator, IQAC
2.	Dr. R Gayatri	Member
3.	Mrs. N Shanthi Kumari	Member
4.	Dr T Sudheer	Member
5.	Mrs. G.V.Nagamani	Member

The Committee had a formal meeting in the office of the Principal, Dr.G Srinivasulu, who presented the overall developments and emphasized on the progress made in the academic year 2020-21 in all spheres of activities.

Members of the Committee discussed on the procedural issues and began their exercise as per the programme schedule prepared by the Coordinator, IQAC.

The Committee visited all the departments, support services, administrative sections and chalked other infrastructural facilities and interacted with the teaching staff, students, officers, coordinators to know the academic and administrative performances. This has given scope of thorough interaction and also for seeking several clarifications.

The Committee after completing all stages of inspection and interactions prepared the AAA Report covering their summarized observations and recommendations

## **INSTITUTIONAL INFORMATION**

### **Name and Address of the College:**

Name	NARAYANA ENGINEERING COLLEGE
Address	Narayana Avenue, A K Nagar (Post), Muthukur Road
City	Nellore
State	Andhra Pradesh
Website	<a href="http://www.necn.ac.in">http://www.necn.ac.in</a>
Principal	Dr. G Srinivasulu
IQAC Coordinator	Dr P Penchalaiah
Establishment of IQAC	03 <sup>rd</sup> December, 2015
Type of Affiliation	Autonomous

### **Facilities on the campus**

Number of Building	03
Auditorium	Yes(1 main auditorium + Each department has its own seminar Hall)
Play ground	Yes
Gymnasium	Yes
Staff Quarters	No
Cafeteria	Yes
Dispensary	Yes
Own Transport Available	Yes ( 07 Busses)
Other facilities	Water Purification Plant, Transport

### **Feedback Collected and Analysed**

<ul style="list-style-type: none"> <li>• Feedback on Teaching Learning Practices                             <ul style="list-style-type: none"> <li>a. Manual Feedback</li> <li>b. Online Feedback</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• Feedback on Curriculum                             <ul style="list-style-type: none"> <li>a. Autonomous Batches</li> <li>b. Affiliated Batches</li> </ul> </li> </ul>
<ul style="list-style-type: none"> <li>• Feedback on Facilities from all departments</li> </ul>
<ul style="list-style-type: none"> <li>• Student Satisfactory Survey</li> </ul>

**Active Cells and Committees**

<b>S.No.</b>	<b>Name of the Committee</b>
➤	Alumni Committee
➤	Anti - Ragging Committee
➤	Attendance Committee
➤	Canteen Committee
➤	Career Guidance Cell
➤	College Academic Committee
➤	Counselling Cell
➤	Department Student Association Committee
➤	Discipline Committee
➤	Entrepreneurship Development Cell
➤	Examination Grievance Committee
➤	Grievance Redressal Cell - Department level
➤	Grievance Redressal Cell
➤	Grievance Redressal Cell - Institute level
➤	Hobby Club
➤	HV & E Cell
➤	Industry - Institute Interaction Cell(IIIC)
➤	Innovation & Incubation Cell (IIC)
➤	Intellectual Property Rights Cell(IPR)
➤	IQAC
➤	Library Committee
➤	Library Advisory Committee
➤	Maintenance Committee
➤	CEA/NSS
➤	OBC Cell
➤	Placement Cell
➤	Professional Chapters Committee
➤	R & D Cell
➤	SC/ST Cell
➤	Sports Committee
➤	Staff Grievance Cell
➤	Time Table Committee
➤	Website Committee
➤	Women's Grievance Redressal Cell
➤	Women's Forum

<p align="center"><b>IQAC ACADEMIC AND ADMINISTRATIVE ACTIVITIES UNDER VARIOUS CRITERIA</b></p>
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The Committee has observed the following activities under various criterion aspects adopted by Narayana engineering college, Nellore.

S No	CRITERIA	ASPECT	ACTIVITY
1	I	Curricular Aspects	<ul style="list-style-type: none"> <li>• Academic calendar</li> <li>• Certificate courses</li> <li>• Value added courses</li> <li>• Internships</li> <li>• Feedback system</li> </ul>
2	II	Teaching-Learning And Evaluation	<ul style="list-style-type: none"> <li>• Student teacher ratio</li> <li>• Usage of ICT tools</li> <li>• Mentoring System</li> <li>• Counselling</li> </ul>
3	III	Research, Innovations And Extension	<ul style="list-style-type: none"> <li>• Seminars/workshops</li> <li>• Books and Chapters published</li> <li>• Papers in National/International Conference</li> <li>• Extension programs</li> <li>• Research publications</li> <li>• Linkages, MOUs, Collaborations</li> </ul>
4	IV	Infrastructure And Learning Resources	<ul style="list-style-type: none"> <li>• Physical facilities</li> <li>• Library</li> <li>• IT Infrastructure</li> <li>• Campus Infrastructure</li> </ul>
5	V	Student Support And Progression	<ul style="list-style-type: none"> <li>• Capability enhancement schemes</li> <li>• Career counselling</li> <li>• Personal counselling</li> <li>• Soft skills training</li> <li>• Training &amp; Placement activities</li> <li>• Student progression-Higher education</li> <li>• Student participation -External</li> <li>• Sports</li> <li>• Cultural activities</li> <li>• Alumni Association Meetings</li> </ul>
6	VI	Governance, Leadership And Management	<ul style="list-style-type: none"> <li>• Quality Improvement Strategies</li> <li>• Faculty Empowerment strategies</li> <li>• Professional Development Programs</li> <li>• IQAC-Internal Quality Assurance Cell</li> </ul>
7	VII	Institutional Values And Best Practices	<ul style="list-style-type: none"> <li>• Gender equity programmes</li> <li>• Human Values and Professional Ethics</li> <li>• Best Practices of the Institution</li> </ul>

**Review on initiation of follow up actions**  
**for**  
**Previous AAA AY: 2019-20**

Action follow-up for the suggestions from the external audit team of the previous AAA AY: 2019-20, were initiated and circulated among the departments for its necessary action by the Head of the institution.

□ **Suggestion:** Innovative ICT enabled teaching methods are to be increased.

☑ **Action Taken & Observations & Suggestions:**

- All the departments were instructed to follow and implement to prepare ICT Micro-Schedules.
- The usage of ICT and e-resources planned to teach (PPT, Animations, Simulations, online videos etc) of concerned subjects are recorded and maintained in the lecture delivery plan.
- Faculty members are encouraged to attend different training programs on teaching pedagogy skills (NITTR, Kolkata).
- Even in the pandemic COVID-19 situation, the teachers used ICT to teach their students online using ZOOM software.
- Institutions have licensed ZOOM Software, (10+ Licences) with the meeting size ranging from 200 to 500 members.
- It is noticed that the percentage of teachers using ICT for effective teaching using ICT has increased tremendously.

□ **Suggestion:** Need for more industry collaborations to increase job opportunities.

☑ **Action Taken & Observations & Suggestions:**

- New MoUs are signed with industries for job opportunities, Collaborative activities, Industrial Visits and FDP.
- Students have participated in industrial visits, internships, attended in invited lecturers from industry experts.
- Total 32 companies/industries have visited the institution campus to provide job opportunities to the students.

☑ **Recommendation**

- Suggested to improve research ecosystem of institution by facilitating academic and research collaborations with the prestigious academia/ Institutions.

□ **Suggestion:** National and international conferences should be arranged.

☑ **Action Taken & Observations & Suggestions:**

- With the intent to showcase the latest technological advancements in research, A "2<sup>ND</sup> INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY AND MANAGEMENT" (Online) was organised by the institution on 25.06.2021.

- ☐ **Suggestion:** More numbers of placement training programs need to be conducted through industry experts.

☒ **Action Taken & Observations & Suggestions:**

- The training and placement cell have a well-defined plan of action to conduct training programs (External and internal) on soft skills and aptitude for the students during the academic year 2020-21.
- External technical/soft-skill training sessions were organised through industry experts from TCS-ION, INSTACKS etc to train the students for the companies CTS, TCS and INFOSYS.
- A separate departmental-wise training schedule was prepared and implemented by internal trainers on Aptitude and Soft Skills.

- ☐ **Suggestion:** (i). Consumables and non-consumables of civil labs need to be purchased  
(ii). Equipments in ECE lab require up-gradation.  
(iii). RAM up-gradation required in CSE lab.

☒ **Action Taken & Observations & Suggestions:**

- Consumables are purchased and lab equipment making noise are serviced.
- Computers have upgraded RAM capacity from 2GB to 4GB to meet the advanced software installation needs.

## AUDIT – SUMMARY

### **Criterion I: CURRICULAR ASPECTS**

#### **Curriculum Planning and Implementation**

- The institution has developed Academic Regulation, called NECR-20 and strictly adhered to the same from the AY 2020-21 for AUTONOMOUS batches.
- The College strictly following the guidelines of the JNTUA University for Affiliated batches as well.
- The Institutional academic calendar is prepared and implemented as it planned.
- The department-wise academic calendars are also maintained projecting all the events of the respective departments.
- The course files are prepared for all the subjects related to all the courses of the college.
- The institute adopted OBE teaching model.

#### **Observations & Suggestions:**

The academic calendars (central-level and department -level) are well designed and its compliances are monitored by IQAC.

Lecture schedules(related to course files) are prepared and verified with the actual class delivery schedule by each department

#### **Programmes offered through Choice Based Credit System (CBCS) During the Year**

Programme Code	Programme Name
01	B.Tech(Civil Engineering)
02	B.Tech(Electrical & Electronics Engineering)
03	B.Tech(Mechanical Engineering)
04	B.Tech(Electronics & Communication Engineering)
05	B.Tech(Computer Science Engineering)
D07	M.Tech(Electrical Power Systems)
D57	M.Tech(VLSI)
D58	M.Tech(Computer Science Engineering)
E0	Master of Business Administration
F0	Master of Computer Application

#### **value-added courses for imparting transferable and life skills offered during the year**

Value added courses are conducted for helping the students to meet industry demands as well as to develop their own interests.

The following are the value-added courses conducted for the academic year 2020-21

#	Name of the value-added courses	Duration of course (in hours)
1	An introduction to ARDUINO BOARD	30 ( 07/02/2021 TO 23/2/2021)
2	IOT applications and Challenges	30 ( 04/01/2021 to 12/02/2021)
3	ORACLE database and Applications by ORACLE Academy, Bangalore	30 (18/02/2021 to 20/02/2021)

4	Effective construction activities and Resource management using Primavera	30 (06/04/2021 to 08/04/2021)
5	IOT based Robotics	30 (19/01/2021 to 23/01/2021)
6	Hypermesh and LS Dyna	30 (1/02/2021 to 05/02/2021)
7	Value added course on Total Quality Management	30 (18/01/2021 to 23/01/2021)
8	React JS	30 (5/07/2021 to 10/07/2021)
9	Ethical Hacking	30 (06/09/2021 to 10/09/2021)
10	Deep Learning for computer vision	30 (25/01/2021 to 30/01/2021)
11	Machine Learning For Engineers Using Python	30 (01/02/2021 to 05/02/2021)
12	Introduction to Hybrid Electric Vehicles Using Simulation	30 (19/01/2021 to 23/01/2021)
13	JAVA Programming	30 (07/06/2021 to 30/06/2021)

**Observations & Suggestions:** Value added courses are conducted by the departments relevant to their courses.

### Internships

- The college permits students to undergo internship training programme for real time industry experience and exposure.
- Field Projects / Internships undertaken during academic year 2020-21.

Branch	Target	Actual
CIV	41	38
EEE	30	46
ME	25	25
ECE	55	74
CSE	58	34
MBA	42	85
MCA	60	49
	<b>311</b>	<b>351</b>

- **Observations & Suggestions:** Students from all the UG&PG branches have undergone internship training programmes under various companies and have explored various aspects in their respective engineering branches. Further it is suggested to undergo internship program from prestigious institutions/industries.

### Feedback System

- The institution practices feedback system in-order to improve the performance and maintain enhanced quality
- The institution collects feedback on curriculum from all the stakeholders which include
  1. Students
  2. Teachers
  3. Employers
  4. Alumni

**Observations & Suggestions:**

- To provide latest knowledge to the students', institute identifies the curriculum gap by collecting feedback from stakeholders.
- The feedback was collated from different stakeholders, students, teachers, alumni, parents and employers on and analysis was made.
- From the analysis, curriculum gap was identified and to fulfil the gap the institute has conducted workshops, seminars and guest lectures
- The feedback analysis report was sent to registrar JNTUA (for Affiliated batches).

**Criterion II -Teaching-Learning and Evaluation****Student Enrolment and demand ratio during the year**

Programme Name	Number of seats sanctioned	Number of Students admitted
B.TECH-CE	30	30
B.TECH-EEE	60	60
B.TECH-ME	30	30
B.TECH-ECE	180	180
B.TECH-CSE	180	180
MBA	120	120
MCA	60	60
M.TECH-EPS	18	2
M.TECH-VLSI	18	11
M.TECH-CSE	18	13

**Teaching-Learning Process**

- The departments maintain well designed course files which includes
  - ✓ Syllabus,
  - ✓ Course Plan,
  - ✓ Course Objectives,
  - ✓ Course Material,
  - ✓ Previous Year Question Papers,
  - ✓ Question Bank etc.
- In addition to the same, course files and other related documents are also made available in MOODLE system
- ICT enabled teaching learning system is implemented and effectively follow the lecture schedules prepared for the delivery of the subject and files are maintained that includes lecture delivered through ICT tools, topic and duration are also specified.
- ICT tools and resources available
  - ✓ LCD Projector
  - ✓ Laptop
  - ✓ Audio visual equipment

- ✓ Podium with inbuilt PA System
  - ✓ Moodle
  - ✓ Slideshare
  - ✓ You tube
  - ✓ NPTEL videos
  - ✓ Virtual labs
  - ✓ Internet connectivity
- Student mentoring system is available in the institution. Each faculty is mentor for about 15 to 20 students.
  - Student counselling is done on academic, career and psychological aspects for every 15 days.
  - The college maintains student-teacher ratio as per AICTE norms.
  - As a prerequisite to advanced subjects at the beginning of each semester, bridge courses are conducted by each department.
  - Guest lectures were conducted across all departments, on various topics like subject skills, technical, soft-skills, career guidance etc.
  - Tutorial classes are well organised in each department identifying the difficult and analytical subjects to encourage the student to improve their academics.
  - Based on the performance in Unit test and MID examinations, students are divided into two categories (i) slow learners and (ii) advanced learners. All the departments thoroughly educate the students to improve their quality in interactive teaching learning methodology.
  - Industrial visits are conducted to help students to gain practical knowledge through observation in an industry/factory.
  - Student involvement in association activities prepare them for personal and professional success.

#	DEPARTMENT NAME	ASSOCIATION
1	Civil Engineering	Srishti
2	Electrical and Electronics Engineering	Sakala
3	Mechanical Engineering	Yantrik
4	Electronics and Communication	AKHYANA
5	Computer Sciences and Engineering	Association of Future Computer Engineers
6	Master of Business Administration	PRANAVA
	Master of Computer Application	TECHCROMA

Every department in the college has professional society chapters

BRANCH	PROFESSIONAL SOCIETY CHAPTER	
CSE	CSI IEEE CS IEI	Computer Society of India IEEE Computer Society Institution of Engineers (India)
ECE	IETE IE IEEE	Institute of Electronics and Telecommunication Engineers Institution of Engineers (India) Institute of Electrical and Electronics Engineers
EEE	IEI	Institutions of Engineers (India)
CIVIL	ICI	Indian Concrete Institute
ME	RSI IE	Robotics Society of India Institution of Engineers (India)
EEE	IEI IEEE ISTE	Institution of Engineers (India) [IEI] Institute of Electrical and Electronics Engineers Indian Society for Technical Education
MBA	HMA CII	Hyderabad Management Association Confederation of Indian Industry

#### Observations & Suggestions:

- Each department is well equipped with Projectors. Faculty use ICT tools like NPTEL, You-tube links, power point presentations for effective delivery of lectures in the classroom.
- Mentor system is systematically implemented in the college.
- Student enrolment is weak in Civil and Mechanical departments.
- Student pass percentage and quality of the admissions need to be improved.

#### Criterion III – Research, Innovations and Extension

##### Faculty research publications

- 91 research papers were published by faculty members from all the departments, in various reputed national and international journals and conferences..
- 04 Book/Book chapters are published.

##### Department-wise research publication summary for the academic year 2019-20:

Department	No of publications
CSE	15
ECE	29
EEE	22
ME	09
MCA	10
MBA	06

- Faculty have good number of books published, and papers in National/International Conference Proceedings

- The Institution conducted workshops, Seminars, on Intellectual Property Rights (IPR) and Industry-Academia and many innovative practices during the academic year.
- Good number of Seminars/workshops were conducted by the college.

#### Observations & Suggestions:

Number of faculty research publications should be increased in peer reviewed journals.

#### Extension programs

- The College organized number of extension and outreach programmes in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc,
- Under CEA (Center for Extension Activities) of the institution has conducted 32 extension and outreach programs to help public and solve issues, identified in areas located around the college.
- The following are the extension activities for the academic year 2020-21

S.NO	Name of the Activity
1	VANAM MANAM (Tree Plantation)
2	COVID -19 Pledge (Awareness Pledge)
3	COVID -19 VTM Test t (Awareness Program)
4	National Youth Day (Elocution Competition)
5	Birth Anniversary of SUBASH CHANDRA BOSE (Awareness Program)
6	National Voters Day (Awareness Program)
7	Birth Anniversary of Lala Lajpat Rai (Awareness Program)
8	World Cancer Day (Awareness Program)
9	Food for Intellectually Disable children ( Distribution of Stationary, Fruits, Carrom Boards)
10	World Disabled Day (Distribution of Stationary, Fruits, Carrom Boards)
11	World TB Day ( Awareness Program)
12	WORLD WATER DAY ( Awareness Program)
13	WORLD HEALTH DAY( Awareness Program)
14	Dr.B.R. AMBEDKAR BIRTH ANNIVERSARY
15	WORLD EARTH DAY
16	AWARENESS PROGRAM ON COVID – 19
17	FREE COVID VACCINATION
18	International Literacy Day
19	WORLD SUICIDE PREVENTION DAY

20	HINDI DIWAS
21	M Visvesvaraya (Birth Day)
22	World Ozone Day
23	M.S. Subbulakshmi ( Birth Day) -Singing Competition
24	Bhagat Singh (Birth Day)
25	World Heart Day
26	M Karamchand Gandhi (Birth Day)
27	Dr. A. P. J. Abdul Kalam (Birth Day)
28	World Food Day
29	AWARENESS PROGRAM ON COVID – 19
30	Cyber Awareness Month
31	Homi Jahangir Bhabha (Birth Day)
32	National Unity Day

**Observations & Suggestions:** The college has conducted various extension programs in all aspects. Both students and faculty members are actively participated.

#### MOUs

The Institution is successful in getting seven (6) M.O.U.s through interaction with the industry. Number of MoUs entered with the industry during the year 2020-21:

S.No	Department	Organization with which MOU is Signed	Date of Signing of MOU
1.	EEE	Weber India Infra Power (opc) Pvt Limited, for Energy Efficient power solutionsl, Plot No.3&4, APIIC-IALA, kakuturu, Venkatachalam (M), Nellore.	01 – 02 – 2021
2.	Mech	ASSISTIVE CADD, Nellore	23 – 11 – 2021
3.	Mech	II CLUB, Hyderabad	01 – 10 – 2020
4.	ECE	Takshila Institute of VLSI Technologies, Bangluru	16 – 04 – 2021
5.	CSE	Brainovision Solutions Pvt.Ltd,	14 – 06 – 2021
6.	MCA	Brain O Vision, Hyderabad	29 – 06 – 2021

#### Observations & Suggestions:

Suggested to have MOUs related to prestigious academia/Institutions.

#### Criterion IV: Infrastructure and Learning Resources

- The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.
- The institution has adequate facilities for sports, games (indoor, outdoor) gymnasium, etc. and cultural activities
- Library is automated using Integrated Library Management System (ILMS)
- Institution frequently updates its IT facilities including Wi-Fi
- The institution has excellent campus infrastructure.
- Computing facilities details are as follows.

S. No.	Purpose	Total Computers
1	Academic	643
2	Administrative	96
Total		739

- Institution is implementing innovative teaching and learning methods through e-learning resources like :
  - ✓ IEEE
  - ✓ On-Line journals
  - ✓ e- library
  - ✓ DIGITAL LIBRARY
  - ✓ Animations
  - ✓ Simulations
  - ✓ Sharing of notes and study material
  - ✓ Download videos for demonstration

#### Observations & Suggestions:

The Institution is well-equipped with Infrastructure and Learning Resources

#### Criterion V - Student Support and Progression

##### Students Support

- Capability enhancement and development schemes are all developed for the student benefit in the institution.
  - Soft skill development,
  - Remedial coaching,
  - Language lab,
  - Bridge courses
  - Personal Counselling and mentoring etc.
- Students are given guidance for competitive examinations and career counselling programs are also organised.

##### Students Progression

To Higher Education : (Students selected/ qualified)

S.NO	Name of the EXAM	Number of Students Qualified
1.	GATE	02
2.	GRE	02

- Various reputed companies have visited the college and recruited students and offered a good salary package.

S.NO.	DEPT.	NO. OF REGISTERED STUDENTS	NO OF OFFERS FROM EACH DEPT.
1	CSE	92	124
2	ECE	85	69
3	EEE	74	33
4	EIE	36	12
5	MEC	54	47
6	CIVIL	24	1
7	MCA	46	3
8	MBA	76	3
	<b>TOTAL</b>	<b>487</b>	<b>292</b>

### Student Participation and Activities

- Students had their outstanding performance in sports/cultural activities at national/international level for the academic year 2020-21
- The Alumni visits in the college, Departmental and Institute level Alumni meetings and interaction programmes are encouraged by the college for providing guidance and support the students

### Observations & Suggestions:

- ✓ 32 companies/industries have visited the institution campus to provide job opportunities to the students.

### Criterion VI–Governance, Leadership And Management

- The institution practices of decentralization and participative management.
- Decentralization: Decentralization of administration like Finance, Examinations, Academics, Sports, and Stores etc.
- Participative Management: Faculty members are assigned administrative responsibilities like Library, Stores, IQAC, and Examinations etc.
- Institution have a Management Information System (MIS)

### Quality Improvement Strategies

- ☑ *Industry Interaction / Collaboration:* Expert lectures by industry personnel are being arranged for the benefit of the students to enhance their employability.
- ☑ *Human Resource Management:* Institute organises FDP for the benefit of the teacher and also faculty are encouraged to participate various external participation.
- ☑ *Examination and Evaluation:* Strictly adheres NECR-20 regulations as well as JNTUA examination schedule for affiliated batches.
- ☑ *Research and Development:* An exclusive RD cell has been established, which monitors the research profile of the faculty of all departments. It encourages the faculty to apply and avail national / international scholarships meant for faculty.
- ☑ *Library:* Library is fully automated for book issue and returns

**Faculty Empowerment strategies**

- Teachers are provided with financial support and on duty facility to attend conferences / workshops and towards membership fee of professional bodies.
- Teachers are encouraged to participate in various professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year .
- Total 24 professional development / administrative training programmes were organized by the College for teaching and non-teaching staff during this year.

**IQAC-Internal Quality Assurance Cell**

- IQAC have been actively functioning and contributing since 2015.
- Academic and Administrative Audit (AAA) was done for previous academic years.
- Monthly Audits of all Departments, functionaries have been conducted every month based on the monthly reports submitted by various departments and cells. Corrective actions are initiated for improvement by the internal committee members.
- Eight quality initiatives (08) are organised by IQAC during this academic year.

**Suggestions:**

Faculty participation in conferences / workshop / Symposium may be enhanced.

**Criterion VII– Institutional Values and Best Practices****Gender equity programmes**

Anti-ragging and gender free mandates are highlighted and followed.

Number of awareness programme against sexual harassment carried out and gender Equality : 2

S.NO	DATE	Name of Topic	Resource Person
1	24-01-2021	National Girl Child Day	1. Sri G. Manga Rao, 2. Circle Inspector, 6 th Town, Nellore
2	10-02-2021	Cyber violence against women	1. Dr K. Lalitha Shirdisha MBBS, D.G.O, D.N.B, Sri Sairam Maternity & Kidney Centre, Nellore. 2. Dr Lahari M.D.S, Leo Hospital, Nellore. 3. Dr Firoz, M.D.S, Orthodontist, Leo Hospital, Nellore.
3	16-02-2021	Do's & Dont's While Travelling for Women	1. Mr. Battina Sai Kumar Reddy, 2. Vice President, Sri Rama Krishna Seva Samithi, Nellore

**Environmental Consciousness**

- Solar plant has been deployed in the campus as alternate energy initiatives.

**Differently- abled (Divyangjan) friendliness**

The following facilities are available for friendliness of Divyangjan

- ✓ Physical facilities
- ✓ Provision for lift

- ✓ Ramp/ Rails
- ✓ Screen Reading Software/facilities
- ✓ Rest Rooms
- ✓ Scribes for examination

**Suggestions:**

Suggested to apply for NBA accreditation

## **Strengths, Weaknesses and of Recommendations**

Following are the Observations & Suggestions from the academic and administrative audit conducted on **21.09.2021** for the academic year 2020-21.

**Institute Strengths:**

1. Active Industry Institute Partnership.
2. Energy efficient campus with renewable energy source.
3. Good placement record.
4. Green and noise free campus.
5. Properly planned academic activities and good track record of academic results.
6. Qualified and self-motivated faculty.
7. Well-equipped laboratory and excellent infrastructure.
8. Well planned and implemented soft skill and skill development programs.

**Institute Weaknesses:**



1. Research funding from government agencies and industry.
2. Consultancy and revenue generation.
3. Faculty publications in journals of repute and commercialization of patents.
4. Student enrolment in Civil and Mechanical departments.

**Recommendations:**

1. Faculty participation in conferences / workshop / Symposium may be enhanced.
2. Some of the branches should conduct certificate courses based on latest courses.
3. Faculty cadre ratio must be improved.
4. Placement in core industries should be increased.
5. Suggested to undergo internship program from prestigious institutions/industries
6. Research papers should be published in Quality publication.
7. IEEE institutional subscription has expired and to be renewed.
8. Suggested to apply for NBA accreditation.

9. Student pass percentage and quality of the admission needs to be improved.

10. Participation of National Institutional Ranking Framework. (NIRF).

S No	Member	Signature
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