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IOAC/NECN/AAA/2019-20

External
Academic and Administrative
Audit
(AAA)

For A.Y: 2019-20

Date of Audit: 23rd December, 2020

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Preface

Academic and Administrative Audit

UGC 10th 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 following experts committee with the external members and requested the committee to conduct the Academic and Administrative Audit for the academic year 2019-20.

- 1) Dr. C Rajagopal Reddy, Professor, Department of Civil Engineering, MSRIT, Bangalore.
- 2) Dr. Ch Hanumantha Rao, Professor, Department of Civil Engineering, KLU, Vijayawada.
- 3) Dr. T. Srinivas Reddy, Professor, Department of Electronics & Communication Engineering, SVCE, Tirupathi.

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

S.N	Name of the Staff	Designation
1	Mr. Nareshbabu U	Coordinator, IQAC
2	Mrs. N Shanthi Kumari	Member
3	Mrs. D Sreelakshmi	Member
4	Mr. V Sumanth	Member
5	Mr. Sk Rashid	Member
6	Mr. I V Girish Kumar	Member

The meeting of the AAA Committee was fixed on 30th October 2020. 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 2019-20 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

1. 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 : <http://www.necn.ac.in>

PRINCIPAL

Dr. G Srinivasulu

Mobile :9912355501
E-mail : principal@necn.ac.in

IQAC COORDINATOR

Mr.Nareshbabu U

Mobile :9392901073
Email : iqac@necn.ac.in

2. (a) Affiliation : Permanently affiliated to JNTUA, Ananthapuramu
(b) Approved by : AICTE, New Delhi
3. (a) Year of establishment : 1998
(b) Certification : ISO 9001:2015 Certified Institution
4. Type of Institution:
- a. By Gender : Co-education
 - b. By Shift : Day
 - c. Source of funding : Self-financing
 - d. Minority institution : No
 - e. UGC- Autonomous : YES

5. Facilities on the campus

Auditorium	: Yes
Play ground	: Yes
Gymnasium	: Yes
Staff Quarters	: No
Hostel :	
• Boys' hostels	: No
• Girls' hostels	: Yes
Cafeteria	: Yes
Dispensary	: Yes
Other facilities	: Water Purification Plant, Transport

6. Details of programmes offered by the institution (2019-20):

Programs offered	Intake
Civil Engineering	60
Electrical and Electronics Engineering	120
Mechanical Engineering	60
Electronics and Communication Engineering	120
Computer Science and Engineering	120
M.C.A	60
M.B.A	120
M.Tech – Electrical Power Systems	18
M.Tech – VLSI	18
M.Tech – Computer Science and Engineering	18

7. Year of establishment of (IQAC) : 2015

EXTERNAL AUDIT COMMITTEE MEMBERS

SNO.	Details of External Members
1	Dr. C Raja Gopal Reddy Professor in Civil Engineering (Retired) M S Ramaiah Institute of Technology, Bangalore
2	Dr. Ch Hanumantharao Professor & HoD Department of Civil Engineering KL Deemed to be University, Vaddeswaram, Vijayawada, Andhra Pradesh
3	Dr. T. Srinivas Reddy, Professor, Department of Electronics & Communication Engineering, SVCE, Tirupathi.

ASPECTS / ACTIVITIES OF QUALITY

The following are the various activities supervised by IQAC that are necessary to increase the Quality of the Education imparted in Narayana Engineering College, Nellore.

S No	Aspects
1	Academic Calendar
2	Certificate Courses
3	Value-Added Courses
4	Guest Lectures
5	Bridge Courses
6	Tutorial Classes
7	Remedial Classes/Remedial Coaching
8	Counseling / Mentoring
9	Industrial Visits
10	Students' Seminars
11	Lecture Schedule Verification
12	Lab Records/Manuals
13	Laboratory Maintenance
14	Continuous Evaluation For Practical Courses
15	MOODLE
16	Student's Association Activities
17	Professional Society Activities
18	Students' External Participation
19	Training and placement
20	Collaborations :MoU

S No	Aspects
21	Teaching Staff
22	Faculty participation
23	Course Files
24	Career counseling/Guidance
25	Workshops/Seminars/Conferences/FDPS Conducted
26	Feedback on Curriculum
27	Computing Equipment
28	Student Grievances Redressal
29	Professional Development Programs
30	E - Learning Resources
31	Meetings (Faculty, Cells, Committees, Student Bodies)
32	Anti ragging
33	Research & Development (R&D)
34	Women's Grievance Redressal Cell
35	Extension Activities
36	Software Packages
37	Alumni
38	ICT in Teaching-Learning
39	Attendance
40	Outcome Based Education
41	IQAC

1. **ACADEMIC CALENDAR:** The College is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA), Ananthapuramu. Each department prepares its own academic, event calendar per semester in accordance to JNTUA schedules and is following strictly till 21st March, 2020. There is a deviation in calendar after 21st March 2020 due to COVID -19.

2. **CERTIFICATE COURSES:** To enhance the technical skills of the students and avail suitable jobs, the college has made ample provision for students in participating certificate courses. The list of certificate courses conducted department wise is tabulated below.

S.No.	Program Name	Certificate Course Title	No. of students enrolled	Date(s)
1	B.TECH-CE	Certificate Course On AUTOCADD	70	06/08/2019 - 10/08/2019
2	B.TECH-CE	Certificate Course On AUTODESK REVIT	56	15/07/2019 - 19/07/2019
3	B.TECH-CE	Certificate Course on Project Management With PRIMAVERA P6	47	27/01/2020 - 31/01/2020
4	B.TECH-EEE	Design of Electrical Circuits on Printed Circuit Board	166	27/08/2019 - 31/08/2019
5	B.TECH-EEE	Electric Vehicles	114	14/10/2019 - 18/10/2019
6	B.TECH-EEE	Wind power plant design	123	20/01/2020 - 24/01/2020
7	B.TECH-EEE	Battery Management System	115	10/02/2020 - 14/02/2020
8	B.TECH-ME	ROBCAD	30	16/09/2019 - 21/09/2019
9	B.TECH-ME	ROBCAD	30	26/09/2019 - 01/10/2019
10	B.TECH-ME	Fundamental concepts of ANSYS- FEM	48	23/12/2019- 28/12/2019
11	B.TECH-ECE	IoT With Node MCU	89	02/03/2020 - 06/03/2020
12	B.TECH-ECE	NI LabVIEW	98	10/02/2020 - 14/02/2020
13	B.TECH-ECE	PCB Design and Fabrication	112	19/08/2019 - 23/08/2019
14	B.TECH-ECE	Mobile Robotics	76	17/09/2019 - 20/09/2019
15	B.TECH-CSE	C Programming	114	11/02/2020 - 18/02/2020
16	B.TECH-CSE	CPP	114	11/02/2020 - 18/02/2020

S.No.	Program Name	Certificate Course Title	No. of students enrolled	Date(s)
17	B.TECH-CSE	HTML	113	10/02/2020 - 17/02/2020
18	B.TECH-CSE	FUNDAMENTALS OF PYTHON	52	14/10/2019 - 18/10/2019
19	B.TECH-CSE	WEB DESIGN USING PHP	50	19/08/2019 - 23/08/2019
20	B.TECH-CSE	JAVA Programming	95	13/07/2020 -18/07/2020
21	B.TECH-CSE	PYTHON Programming	95	13/07/2020 -18/07/2020
22	B.TECH-CSE	ADVANCED C Language	90	13/07/2020 -18/07/2020
23	MCA	Cognitive Technologies	109	19/08/2019 - 24/08/2019
24	MCA	Software Development using R	73	20/01/2020 - 24/01/2020
25	MCA	Hadoop Framework	73	24/02/2020 - 28/02/2020
26	MBA	Stock Market Aspects	72	31/07/2019 - 05/08/2019
27	MBA	Logistics & Supply Chain Management	75	06/01/2010 - 10/01/2020
28	MBA	Security Analysis & Risk Management	70	24/02/2020 - 28/02/2020

3. VALUE-ADDED COURSES: To make students better prepared to meet the industry needs and as well as to develop their own interests and aptitudes, the institute offers a wide variety of short term courses. These courses are conducted during the semester by professionals and industry experts. The list of value - added courses organized by the college is:

S.No.	Program Name	Title of the Value added Course	No. of students benefited	Date(s)
1	B.Tech-CE	3DS MAX	52	15/02/2019 - 18/02/2019
2	B.Tech-CE	ETABS - For Structural Design of Residential Building	100	05/08/2019 - 09/08/2019
3	B.Tech-CE	SAP 2000 - Integrated solution for structural Analysis and Design	53	10/02/2020 - 14/02/2020
4	B.Tech-CE	Soft Skills - 1	52	08/07/2019 - 09/11/2019
5	B.Tech-EEE	Solar PV systems design	121	05/08/2019 - 09/08/2019

S.No.	Program Name	Title of the Value added Course	No. of students benefited	Date(s)
6	B.Tech-EEE	Electrical CADD	98	16/09/2019 - 21/09/2019
7	B.Tech-EEE	Light Current Systems For Electrical Power Engineering	115	20/01/2020 - 24/01/2020
8	B.Tech-EEE	Solar PV systems installation and Maintenance	121	09/03/2020 - 14/03/2020
9	B.Tech-EEE	Soft Skills-2.a	95	08/07/2019 - 09/11/2019
10	B.Tech-EEE	Soft Skills-2.b	119	30/12/2019 - 18/03/2020
11	B.Tech-ME	Industrial Applications of Non Destructive Testing	32	14/10/2019 - 18/10/2019
12	B.Tech-ME	Soft Skills Development	62	08/07/2019 - 08/11/2019
13	B.Tech-ME	Smart Technologies for Mechanical Engineering	45	17/02/2020 - 29/02/2020
14	B.Tech-ME	Soft Skills - 3	45	08/07/2019 - 09/11/2019
15	B.Tech-ECE	Wireless Mobile Communication	62	03/03/2020 - 07/03/2020
16	B.Tech-ECE	Soft Skills - 4.a	122	03/02/2020 - 22/02/2020
17	B.Tech-ECE	Soft Skills - 4.b	122	23/12/2019 - 06/01/2020
18	B.Tech-ECE	PYTHON	62	12/12/2019 - 28/12/2019
19	B.Tech-ECE	IOT Applications and Challenges	69	10/07/2019 - 28/10/2019
20	B.Tech-ECE	PYTHON	42	22/07/2019 - 31/08/2019
21	B.Tech-CSE	Visual data mining Technologies	54	09/03/2020 - 13/03/2020
22	B.Tech-CSE	Core and Advanced java	68	17/02/2020 - 22/02/2020
23	B.Tech-CSE	Python	52	12/12/2019 - 28/12/2019
24	B.Tech-CSE	Deep Learning using Python	50	04/11/2019 - 08/11/2019
25	B.Tech-CSE	Advanced Java	65	28/10/2019 - 01/11/2019
26	B.Tech-CSE	Soft Skills - 5.a	106	20/01/2020 - 31/01/2020
27	B.Tech-CSE	Soft Skills - 5.b	106	03/02/2020 - 15/02/2020
28	MCA	Virtualization in Cloud Infrastructure	109	05/08/2019 - 09/08/2019
29	MCA	Accounting Information Technology	115	16/09/2019 - 20/09/2019
30	MCA	Block Chain Technology	73	10/02/2020 - 14/02/2020
31	MCA	Edge Computing	73	16/03/2020 - 20/03/2020

S.No.	Program Name	Title of the Value added Course	No. of students benefited	Date(s)
32	MBA	Research Methodology	94	13/08/2019 - 19/08/2019
33	MBA	Rural Marketing	68	14/10/2019 - 19/10/2019
34	MBA	Digital Marketing	55	11/11/2019 - 18/11/2019
35	MBA	Total Quality Management	65	06/01/2020 - 10/01/2020
36	MBA	Customer Relationship Management	65	03/02/2020 - 07/02/2020
37	MBA	Corporate Social Responsibility	55	02/03/2020 - 06/03/2020

- 4. GUEST LECTURES:** Each Department had arranged the guest lectures to update the students in the latest technological developments in their field of study. The team noticed the following details in the departments.

S.NO	NAME OF THE DEPARTMENT	NO OF GUEST LECTURES
1	Civil Engineering	03
2	Electrical & Electronics Engineering	05
3	Mechanical Engineering	08
4	Electronics & Communication Engineering	07
5	Computer Science and Engineering	04
6	Master of Business Administration	06
7	Master of Computer Applications	04

- 5. BRIDGE COURSES:** Bridge course are conducted at the beginning of every semester for specific subjects. It is found that the college strongly believes that the bridge course helps the students for the better understanding and learning of new subjects. The observations are as follows.

S.NO	NAME OF THE DEPARTMENT	NO. OF BRIDGE COURSES	
		SEM - I	SEM-II
1	Civil Engineering	03	04
2	Electrical & Electronics Engineering	06	04
3	Mechanical Engineering	04	04

4	Electronics & Communication Engineering	03	02
5	Computer Science and Engineering	04	02
6	Electronics & Instrumentation Engineering	02	07
7	Master of Business Administration	03	02
8	Master of Computer Applications	02	02
9	Freshmen Engineering Department	04	08

6. TUTORIAL CLASSES: As per the JNTUA curriculum the tutorial classes were conducted and separate evaluation registers were maintained to know the progress of the students. On average 12 tutorial classes per subject in a semester were conducted by each department.

7. REMEDIAL CLASSES / REMEDIAL COACHING: The students are classified into slow learners and advanced learners based on their performance in university end examination and midterm examination. Remedial classes were conducted to slow learners in identified subjects. Remedial coaching was offered to the students with backlogs in the previous university end examination.

S.NO	NAME OF THE DEPARTMENT	NO. OF SUBJECTS PROVIDED	
		SEM - I	SEM-II
1	Civil Engineering	04	05
2	Electrical & Electronics Engineering	04	05
3	Mechanical Engineering	03	04
4	Electronics & Communication Engineering	03	04
5	Computer Science and Engineering	06	06
6	Electronics & Instrumentation Engineering	02	05
7	Master of Business Administration	03	03
8	Master of Computer Applications	03	04

8. COUNSELLING / MENTORING : The institute follows mentorship programme in which each of the faculty member counsels 15 or 20 students for every 15 days, in the aspects viz attendance, mid marks, co-curricular, extra-curricular, personality development and other issues students may face from time to time.

9. INDUSTRIAL VISITS : To invoke the interest and recognizing the importance of practical applications of acquired technical knowledge, this institute provided opportunity of Industrial/Technical visits like APGENCO, APPDCL, APTRANSCO, BHEL, SHAR, Nippo, SDSC etc.

S.NO	NAME OF THE INDUSTRY	DATE
ELECTRICAL AND ELECTRONICS ENGINEERING		
1.	33/11KV Substation	06/09/2019
2.	POWER GRID	14/10/2019
MECHANICAL ENGINEERING		
1.	Integral Coach Factory, Chennai	11/10/2019
2.	ISRO	26/09/2019
CIVIL ENGINEERING		
1.	Penna Barrage	02/11/2019
2.	Kandaleru Reservoir	19/10/2019
ELECTRONICS & COMMUNICATION ENGINEERING		
1.	NIPPO Batteries	16/08/2019
2.	NARL	06/10/2019
3.	CSIR	19/10/2019
4.	SHAR	23/10/2019

10. STUDENTS' SEMINARS : To improve the presentation and communication skills of students', seminars on various advanced topics were conducted during laboratory hours and as part of curriculum for final years.

11. LECTURE SCHEDULE VERIFICATION : Lecture schedules and teaching notes are verified once in 15 days to ensure that faculty adheres to the academic calendar and syllabus given by the university.

12. LAB RECORDS/MANUALS :

It is observed that both hard and soft copies of lab manuals made available to the students and lab records are maintained. Electrical Circuit Simulation (EEE) needs to provide soft-copies of lab manuals.

13. LABORATORY MAINTENANCE :

All labs are installed as per AICTE norms. Separate books are maintaining for laboratory maintenance. As on today there is no maintenance requirement.

14. CONTINUOUS EVALUATION FOR PRACTICAL COURSES:

Students' progress in practical courses is evaluated in a systematic manner where each faculty is responsible to conduct and evaluate experiments for a batch of 15 to 20 students. Further it is observed that each practical course has its own evolution book in which each experiment details and student progression is recorded.

15. MOODLE : Teaching and Learning resources like course plans, Learning resources, Activities / Assessment and evaluations are made available on moodle for quick reference and easy access to all faculty and students. Effective use of moodle at the institute is appreciated.

16. STUDENTS' ASSOCIATION ACTIVITIES : Departmental student associations have organized considerable number of activities during the year. Members of the committee observed the following associations under departments.

S.NO	PROGRAM	ASSOCIATION
1	Civil Engineering	SRISHTI
2	Electrical and Electronics Engineering	SAKALA
3	Mechanical Engineering	MIGHTY YANTRIK
4	Electronics and Communication Engineering	AKHIYANA

5	Computer Sciences and Engineering	ACE
6	Electronics and Instrumentation Engineering	ASESHA
7	Master of Business Administration	PRANAVA
8	Master of Computer Applications	TECHCROMA

List of Association activities organized:

DEPARTMENT	NO OF ACTIVITIES
Civil Engineering	07
Electrical and Electronics Engineering	11
Mechanical Engineering	09
Electronics and Communication Engineering	13
Computer Sciences and Engineering	14
Electronics and Instrumentation Engineering	03
Master of Business Administration	13
Master of Computer Applications	07

17. PROFESSIONAL SOCIETY ACTIVITIES: The members observed that every department in the college has professional society chapters. A few activities were organized under these bodies and recommended to improve the participation. The professional society bodies are as follows:

DEPARTMENT	PROFESSIONAL SOCIETY CHAPTER	No. of ACTIVITIES
Civil Engineering	Indian Concrete Institute (ICI)	02
Electrical and Electronics Engineering	Institution of Engineers(I)	04
Mechanical Engineering	Institution of Engineers(I)	03
Electronics and Communication Engineering	IETE	06
Computer Sciences and Engineering	Computer Society of India (CSI)	05
Master of Computer Applications	Computer Society of India (CSI)	03
Master of Business Administration	HMA, CII, AIMS	06

- 18. STUDENTS' EXTERNAL PARTICIPATION :** Institute encourages students' to participate in external activities/events. Students from each department have participated in different events like Hackthon, Tech-Fest, Technical-Quiz, Web Scratch, NTSEE, Industrial training and presented technical Papers. Students grabbed around 68 prizes.

DEPARTMENT	No. of STUDENTS
Civil Engineering	24
Electrical and Electronics Engineering	87
Mechanical Engineering	69
Electronics and Communication Engineering	167
Computer Sciences and Engineering	338
Electronics and Instrumentation Engineering	36
Master of Business Administration	67
Master of Computer Applications	31

- 19. TRAINING AND PLACEMENT :** Students are undergoing placement training from II year onwards. Institute has arranged for on campus and off campus placement drives for all eligible students. The details observed by the members are as follows:

<i>No. of Companies Visited</i>	24
<i>No. of Students Placed</i>	239

DEPARTMENT	No. of STUDENTS PLACED
Electrical and Electronics Engineering	24
Mechanical Engineering	21

Electronics and Communication Engineering	72
Computer Sciences and Engineering	75
Electronics and Instrumentation Engineering	15
Master of Business Administration	20
Master of Computer Applications	12

20. COLLABORATIONS : MoUs: Institute has 45 MoU's through industry interaction. Details of the collaborations and MoU's noticed are:

SLNO	DEPARTMENT	No. of Collaborations
1	Civil Engineering	04
2	Electrical and Electronics Engineering	07
3	Mechanical Engineering	06
4	Electronics and Communication Engineering	05
5	Computer Sciences and Engineering	07
6	Electronics and Instrumentation Engineering	01
7	Master of Business Administration	06
8	Master of Computer Applications	04
9	Central level	02

21. TEACHING STAFF: During the academic year 2019-20, there is 141 full-time and well qualified teaching staff in the college. The observed details are as follows:

S.NO	DEPARTMENT	No. of Staff
1	Civil Engineering	09
2	Electrical and Electronics Engineering	23
3	Mechanical Engineering	09
4	Electronics and Communication Engineering	21
5	Computer Sciences and Engineering	22
6	Electronics and Instrumentation Engineering	05

7	Master of Business Administration	15
8	Master of Computer Applications	09
9	Freshman Engineering Department	28

22. FACULTY PARTICIPATION : 122 faculty members has participated in various internal/external activities like seminars, conferences, workshops, FDPs etc .Further departments maintain participation / presentation certificates of faculty members. Appreciations to the departments for encouraging the faculty members by reimbursing expenses like registration fee, travelling allowance etc.

23. COURSE FILES: The departments maintain well designed course files. Notices the following item in course files (i) syllabus, (ii) course plan, (iii) course objectives, (iv) subject material, (v) previous year question papers, (vi) question bank etc.

24. CAREER COUNSELING / GUIDANCE : The institution conducted various career counselling programs from invited industrial experts and academicians. Around 1242 students got benefited through career counseling sessions arranged by the institution.

WORKSHOPS/SEMINARS/CONFERENCE S/FDP S CONDUCTED :

The following events observed for the year 2019-20.

SLNO	EVENT	NO. OF PROGRAMS
1	Workshops	11
2	Seminars	21
3	Conference	01
4	FDP's	14

26. FEED-BACK ON CURRICULUM : Feedback on curriculum has collected from stockholders and the prepared summary reports for the same was sent to JNTUA. Members appreciated the institution for its effective feed-back mechanism and its actions initiated.

27. COMPUTING EQUIPMENT: The team found Institution has 691 computer systems across all the departments in its verification. The quantitative summary of the details are as follows:

SLNO	Configuration	No. of Computing Equipment
1	I 3 Processor	460
2	I 5 Processor	140
3	Dual core	91
	Total	691

28. STUDENTS' GRIEVANCE REDRESSAL: Students' Grievance Redressal Cell (SGRC) is active and operating effectively in the institute. Members noticed that during the year 2019-20, two grievances received from students and its actions taken/initiated for the same.

29. PROFESSIONAL DEVELOPMENT PROGRAMS: 21 (Twenty One) professional development programs were conducted across all the departments during the academic the year for both teaching and non-teaching staff. Files related to the programs like circulars, Reports and other details are maintaining.

30. E- LEARNING RESOURCES: Innovative teaching practices are implemented through e- learning resources available like MOODLE, digital library, e-journals, NPTEL etc.

31. MEETINGS (FACULTY, CELLS, COMMITTEES, STUDENT BODIES): Institute prepares meetings calendar at the beginning of the semester for various cell/committees and departments, which is monitored by IQAC. Audit committee members observed that departments and cell/committees are regularly conducting meetings as per the meetings calendar and there are 35 cells /committees constituted in the institute.

- 32. WEBSITE UPDATES :** Except for a very few events, all the activities , achievements of all departments are updated in the college official website on a regular basis.
- 33. RESEARCH & DEVELOPMENT (R&D):** XXXX research papers were published from all the departments, in various national and international journals and a few project proposals were prepared and submitted for securing grants. It is suggested to publish research papers in UGC journals and some other high impact peer reviewed journals.
- 34. GENERAL MAINTENANCE :** Better maintenance is suggested in the area of sanitation and building infrastructure.
- 35. EXTENSION ACTIVITIES:** Under NSS unit 17 programs were organized to solve issues identified in near located villages/ areas. Around 1374 students and 108 faculty members have actively participated and team verified documents related to the following activities:

Title of the Activity	Organizing unit/ agency/collaborating agency	Number of teachers coordinated	Number of students participated
Distribution Of Rice Bags And Clothes To Vatsalya Oprhanage	Yuva Tejam, Nellore	5	63
Awareness Program On World Cancer Day	RSR Hospital, Nellore	5	82
Snacks And Stationary Distribution At Vatsalya Orphanage, Nellore	Yuva Tejam, Nellore	5	76
Blood Donation Camp	Narayana Medical College & Hospital, Nellore	5	168
Awareness On Importance Of Voting To The Students Of NECN	Pinakini Youth Welfare Association, Nellore	5	78
Awareness Rally On World Mental Health Day	Yuva Tejam, Nellore	6	92
Nss Day	NSS Unit of NECN	5	72
Distribution Of Ceiling Fans And Fruits	NSS UNIT of NECN	8	63

An Awareness Program On World First Aid Day	Pinakini Youth Welfare Association, Nellore	7	85
An Awareness Program On Clay Ganesh	NSS UNIT of NECN	8	53
World Senior Citizen Day	NSS UNIT of NECN	6	119
Awareness Program On Organ Donation	Sairam Maternity and Kidney Centre, Nellore	4	72
Awareness On The Precautionary Measures To Be Taken During Rainy Season To The ZP High School Students Of Potte Palem.	Pinakini Youth Welfare Association, Nellore	5	46
Awareness Program On Rain Water Harvesting	Pinakini Youth Welfare Association, Nellore	6	62
An Awareness Program on Aids Day	Pinakini Youth Welfare Association, Nellore	5	70
Mass tree plantation at college by JNTUA NSS coordinator	NSS UNIT of NECN	15	65
Awareness program on 50 hrs of Swachhata	Pinakini youth Welfare Association, Nellore	8	108

36. SOFTWARE PACKAGES :

Observations:

SLNO	DEPARTMENT	SOFTWARE PACKAGES
1	Civil Engineering	STADD-PRO
2	Electrical and Electronics Engineering	MATLAB, P-SPICE, SIM Power System
3	Mechanical Engineering	Ansys, CRE-O, CADD
4	Electronics and Communication Engineering	MATLAB, LABVIEW
5	Computer Sciences and Engineering	Turbo C, ORACLE, WEKA, APACHE, Eclipse, Load Runner, Grid Sim, IBM Rational Rose
6	Electronics and Instrumentation Engineering	LABVIEW

37. ALUMNI: It is found that in the institution, alumni meets are arranged regularly. During the year **01** alumni association meeting was conducted and **276** alumni are enrolled for the same.

38. **ICT IN TEACHING – LEARNING:** Departments are equipped with ICT facilities and faculty members use ICT tools like You-tube links, power point presentations etc for delivery of lectures.
39. **ATTENDANCE:** Every department adopts an effective systematic approach for student attendance calculation and follow up actions for attendance shortages like phone calling, intimation to parents, counselling students. Team appreciated the departments for effective maintenance of student attendance.
40. **OUTCOME BASED EDUCATION:** Outcome-based methods have been adopted as the institute believes OBE is more of a philosophy than a uniform set of practices. The process of adopting vision, mission, PEO's and PSO's was well defined and transparent to all the stakeholders.
41. **IQAC:** As a step towards quality improvement, the college has established Internal Quality Assurance Cell in AY 2015-16. IQAC is active and 6 (Six) quality initiative programs were taken up. It is observed that regular reviews were conducted by IQAC and timely suggestions were given to various committees/faculty for improvement. The involvement of IQAC in various academic and Administrative activities of the college is appreciated.

Executive Summary

Verification of Action Taken or initiation follows up of Previous AAA

The Institution is taking measures towards quality improvement to achieve overall development of the institution. The team appreciates the institution to the initiations and follow-up actions taken on its previous AAA recommendations which are suggested on 30th, October, 2020. The team recommends improving in the area of faculty research and publications in reputed journals and funding projects.


Strengths

- Institution got UGC-Autonomous Status for 10 years
- Providing training for GATE examination from II years onwards.
- MOODLE is adopted as a system for faculty and student interaction.
- Encouraged the faculty to participate in various external events.
- Value added courses are conducted to enhance the technical and employability skills of the students.
- Providing guidance for students' career progression through career guidance cell.
- Counseling, yoga and meditation programs are offered to the students to enhance the power of concentration, overcome stress and to ensure mental maturity.
- Approach to identify slow and advanced learners is good.
- Faculty Development Programs and initiatives are organized regularly to update the skills of the faculty members.
- All the classrooms are ICT enabled.

Suggestions

- Innovative ICT enabled teaching methods are to be increased
- Need for more industry collaborations to increase job opportunities
- National and international conferences should be arranged.
- More numbers of placement training programs need to be conducted through industry experts
- Miscellanies Comments
 - (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

At the outset committee appreciates the management, administration, teaching, and non-teaching staff for acquiring UGC – Autonomous Status for 10 years.

S.NO.	Details of External Members	Signature
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