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IQAC/NECN/AAA/2017-18

External
Academic and
Administrative Audit
(AAA)

For A.Y: 2017-18

Date of Audit: 14th June, 2018

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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 2017-18.

- 1) Dr. Suja S Nair, Professor & Head, Department of Business Management, VSU
- 2) Dr. N Murali Krishna, Professor & Coordinator IQAC, Department of ECE, SIET
- 3) Dr. M Venugopal Rao, Professor & Head, Department of EEE, PVP SIT

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

S.No	Name of the Staff	Designation
1	Mr. Nareshbabu U	Coordinator, IQAC
2	Prof. M Chandrasekhar	Member
3	Mr. G Usandra Babu	Member
4	Mrs. D Sreelakshmi	Member
5	Mr. D Madhubabu	Member
6	Mr. K R K Ram	Member
7	Mr. Sk Rashid	Member
8	Ms. K N Y S Madhuri	Member

The meeting of the AAA Committee was fixed on 14th June 2018. 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 2017-18 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 teaching departments, support services, administrative sections and chalked other infrastructural facilities and interacted with the teaching staff, students, officers, coordinators to ascertain 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.

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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 : 9100051624
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 9001:2008 Certified Institution
4. Type of Institution:
- a. By Gender : Men and Women
 - b. By Shift : Day
 - c. Source of funding : Self-financing
 - d. Minority institution : No

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5. Facilities on the campus

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

6. Details of programmes offered by the institution (2017-18):

Programs offered	Intake
Civil Engineering	60
Electrical and Electronics Engineering	120
Mechanical Engineering	60
Electronics and Communication Engineering	120
Computer Science and Engineering	120
Electronics and Instrumentation Engineering	60
M.C.A	60
M.B.A	180
M.Tech – Electrical Power Systems	24
M.Tech – VLSI	18
M.Tech – DSCE	18
M.Tech – Computer Science and Engineering	18

7. Year of establishment of (IQAC) : 2015

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EXTERNAL AUDIT COMMITTEE MEMBERS

SNO.	Details of External Members
1	Dr. Suja S Nair Professor & Head Department of Business Management Vikrama Simhapuri University Kakatur, Nellore, Andhra Pradesh
2	Dr. N Murali Krishna Professor Department of ECE Sreyas Institute of Engineering & Technology Nagole, Hyderabad, Telangana.
3	Dr. M Venugopal Rao Professor & Head Department of Electrical & Electronics Engineering PVP Siddhartha Institute of Technology Kanuru, Vijayawada, Andhra Pradesh

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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

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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.

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	Date(s)
1	B.TECH-CE	Certificate Course on Archicad	20/12/17 - 04/12/17
2	B.TECH-CE	Certificate Course on Etabs	05/04/18 - 09/04/18
3	B.TECH-CE	Certificate Course on Advanced Concepts in C Programming	10/04/18 - 14/04/18
4	B.TECH-EEE	Introduction to the MATLAB for Electrical Engineering	23/10/17 - 28/10/17
5	B.TECH-EEE	Certificate Course on Object Oriented Concepts	20/02/18 - 24/02/18
6	B.TECH-ME	Certificate course on "Ansys"	21/08/17 - 28/08/17
7	B.TECH-ME	Certificate Course on Advanced Concepts in C Programming	20/10/17 - 24/10/17
8	B.TECH-ME & CE	Certificate course on Essentials for NX Designers	11/12/17 - 16/12/17
9	B.TECH-ME	Certificate course on "Ansys Space Claim 18.0"	16/02/18 - 21/02/18
10	B.TECH-ECE	Internet of Things	11/09/17 - 14/09/17
11	B.TECH-ECE	Certificate Course on Advanced Concepts in C Programming	25/10/17 - 28/10/17
12	B.TECH-ECE	Certificate Course on Basics of PLC	11/12/17 - 16/12/17
13	B.TECH-ECE	PCB Designing and Fabrication	06/04/18 - 09/04/18
14	B.TECH-CSE	Programming in C	07/08/17 - 11/11/17
15	B.TECH-CSE	Programming in CPP	07/08/17 - 11/11/17
16	B.TECH-CSE	Programming in PHP & MySQL	27/03/18 - 04/04/18
17	B.TECH-CSE	Programming in JAVA	27/03/18 - 02/04/18
18	B.TECH-CSE	Programming in Python	27/03/18 - 02/04/18

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19	B.TECH-CSE	Certificate Course on Advanced Concepts in C Programming	12/02/18 – 16/02/18
20	B.TECH-EIE	Instrumentation And Process Control	16/08/17 - 20/08/17
21	B.TECH-EIE	Certificate Course on "PLC-SCADA"	19/04/18 - 23/04/18
22	MCA	Mobile Application Development Using Android	20/09/17 - 23/09/17
23	MBA	Procedure for Start Up's	04/09/17 - 20/09/17
24	MBA	NSE (National Stock Exchange) Certification in Financial Markets	01/01/18 - 12/01/18
25	MBA	Business Research Methods	18/04/18 - 28/04/18

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	Course Title
1	B.Tech-CE	Analysis Of Buildings Using Staad-Pro
2	B.Tech-CE	Soft Skills- 7th Sense
3	B.Tech-CE	Soft Skills-1
4	B.Tech-EEE	Matlab and its Applications to Electrical Engineering
5	B.Tech-EEE	Soft Skills- 7th Sense
6	B.Tech-EEE	Soft Skills-2.a
7	B.Tech-EEE	Soft Skills-2.b
8	B.Tech-ME	Hyper Mesh
9	B.Tech-ME	Soft Skills- 7th Sense
10	B.Tech-ME	Soft Skills-3
11	B.Tech-ECE	Java as object oriented programming language
12	B.Tech-ECE	Digital system design using FPGA
13	B.Tech-ECE	Soft Skills- 7th Sense
14	B.Tech-ECE	Soft Skills-4.a

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15	B.Tech-ECE	Soft Skills-4.b
16	B.Tech-CSE	Blockchain Technology
17	B.Tech-CSE	Progressive Web Applications
18	B.Tech-CSE	Data Analytics with R-software
19	B.Tech-CSE	DOTNET & its Applications development
20	B.Tech-CSE	Blockchain Technology
21	B.Tech-CSE	APP MANIA – Mobile Application Development
22	B.Tech-CSE	Soft Skills- 7th Sense
23	B.Tech-CSE	Soft Skills-5.a
24	B.Tech-CSE	Soft Skills-5.b
25	B.Tech-EIE	PLC-SCADA Applications in Instrumentation
26	B.Tech-EIE	Soft Skills-10
27	MCA	Dot net Technologies
28	MCA	Python for Automation
29	MCA	Soft Skills- 7th Sense
30	MCA	Data Science & Big Data Analytics
31	MBA	AMOS
32	MBA	SPSS
33	MBA	SPSS
34	MBA	Interview Skills/ Employability skills
35	MBA	Tendency skills
36	MBA	Skill Development
37	MBA	Financial Derivatives

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.

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

- 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	02	01
2	Electrical & Electronics Engineering	04	04
3	Mechanical Engineering	01	01
4	Electronics & Communication Engineering	03	02
5	Computer Science and Engineering	04	02
6	Electronics & Instrumentation Engineering	03	04
7	Master of Business Administration	02	02
8	Master of Computer Applications	02	02

- 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 15 tutorials classes per week 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	04
2	Electrical & Electronics Engineering	03	04
3	Mechanical Engineering	02	02
4	Electronics & Communication Engineering	03	02
5	Computer Science and Engineering	06	06
6	Electronics & Instrumentation Engineering	02	03
7	Master of Business Administration	03	03
8	Master of Computer Applications	05	05

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.

NAME OF THE DEPARTMENT	No. of Industrial Visits	Industry / Organization Visited
Civil Engineering	05	Somasila Dam, Kanigiri Reservoir, Gururaghavendra RMC Plant, Penna Causeway And Median Construction
Electrical and Electronics Engineering	04	NIPPO, 33/11 KV Substation, 400/210/132 KV Substation
Mechanical Engineering	04	NIPPO, ISRO, VIJAYA DIARY, IFC
Electronics and Communication Engineering	06	APGENCO, NIPPO, SHAR, NARL
Computer Sciences and Engineering	03	INFOCEPTS, ASIAN WIRE, SHAR
Electronics and Instrumentation Engineering	02	APGENCO, NELCAST
Master of Business Administration	01	NIPPO

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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	16
Electrical and Electronics Engineering	08
Mechanical Engineering	12
Electronics and Communication Engineering	15
Computer Sciences and Engineering	17
Electronics and Instrumentation Engineering	05
Master of Business Administration	02
Master of Computer Applications	06

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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 :

Observations:

- Two Experimental kits in Electrical Measurements Laboratory need to be replaced.
- A Few Measuring Equipment in Electrical Machines Laboratory needs to be repaired / replaced.
- One Experimental Kit in Power Electronics needs to be replaced.
- Two Experimental kits in Control Systems Laboratory need to be repaired / replaced.
- A few Memory chips (RAM) to be replaced in Computer laboratories.
- A few Consumables need to be purchased in Electronics and Communication Engineering Department.
- Three Experimental Kits to be replaced in Strength of materials Laboratory.
- Two Kits need to be replaced/ repaired in Instrumentation Laboratory.

14. CONTINUOUS EVALUATION FOR PRACTICAL COURSE S:

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.

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- 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)	06
Electrical and Electronics Engineering	Institution of Engineers(I)	02
Mechanical Engineering	Institution of Engineers(I)	00
Electronics and Communication Engineering	IETE	03
Computer Sciences and Engineering	Computer Society of India (CSI)	06
Master of Computer Applications	Computer Society of India (CSI)	02

- 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	Prizes won
Civil Engineering	12	02
Electrical and Electronics Engineering	88	32
Mechanical Engineering	53	04
Electronics and Communication Engineering	89	07
Computer Sciences and Engineering	91	17
Electronics and Instrumentation Engineering	50	01
Master of Business Administration	24	02
Master of Computer Applications	16	03

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- 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>	49
<i>No. of Students Placed</i>	339

DEPARTMENT	No. of STUDENTS PLACED
Civil Engineering	11
Electrical and Electronics Engineering	66
Mechanical Engineering	37
Electronics and Communication Engineering	92
Computer Sciences and Engineering	81
Electronics and Instrumentation Engineering	14
Master of Business Administration	35
Master of Computer Applications	03

- 20. COLLABORATIONS : MoUs :** Institute has 17 MoU's through industry interaction.

Details of the collaborations and MoU noticed are:

SLNO	DEPARTMENT	No. of Collaborations
1	Civil Engineering	02
2	Electrical and Electronics Engineering	02
3	Mechanical Engineering	03
4	Electronics and Communication Engineering	01
5	Computer Sciences and Engineering	03
6	Electronics and Instrumentation Engineering	02
7	Master of Business Administration	01
8	Master of Computer Applications	01
9	Central level	02

- 21. TEACHING STAFF :** During the academic year 2017-18, there is **194** full-time and well qualified teaching staff in the college. The observed details are as follows:

SLNO	DEPARTMENT	No. of Staff
1	Civil Engineering	12
2	Electrical and Electronics Engineering	31
3	Mechanical Engineering	12
4	Electronics and Communication Engineering	30
5	Computer Sciences and Engineering	27
6	Electronics and Instrumentation Engineering	12
7	Master of Business Administration	12
8	Master of Computer Applications	24
9	Freshman Engineering Department	34

- 22. FACULTY PARTICIPATION :** **171** 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 **1484** students got benefited through career counseling sessions arranged by the institution.

25. WORKSHOPS/SEMINARS/CONFERENCES/FDPS CONDUCTED:

The following events observed for the year 2017-18.

SLNO	EVENT	NO. OF PROGRAMS
1	Workshops	12
2	Seminars	20
4	Technical Talks	12

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 **727** 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	177
2	I 5 Processor	358
3	Dual core	124
4	Thin Client	52
5	Pentium Processor	16
	Total	727

28. STUDENTS' GRIEVANCE REDRESSAL: Students' Grievance Redressal Cell (SGRC) is active and operating effectively in the institute. Members noticed that during the year 2017-18, one grievance received from students and its actions taken/initiated for the same.

29. PROFESSIONAL DEVELOPMENT PROGRAMS: **23** (Twenty Three) 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, NPTL etc.

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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 33 cells /committees constituted in the institute.

32. ANTI RAGGING : Anti-Ragging committee is active and functioning effectively in the institute. During the academic year 2017-18, no anti ragging complaints were received by the committee.

33. RESEARCH & DEVELOPMENT (R&D): 110 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. WOMEN'S GRIEVANCE REDRESSAL CELL : Committee is formed with senior faculty members and it is active in the institution. There is one grievance was found in the academic year 2017-18.

35. EXTENSION ACTIVITIES: Under NSS unit 21 programs were organized to solve issues identified in near located villages/areas. Around 2208 students have actively participated and team verified documents related to the following activities:

SNO	NAME OF THE ACTIVITY	DATE	ORGANISING DEPARTMENT
1	MEDICINE DISTRIBUTION TO GEETHAMAYI OLDAGE HOME	12-06-2017	CSE
2	VANAM MANAM	18-07-2017	MECH
3	A RALLY ON HELMET SAFETY	06-08-2017	ECE
4	SWACHH BHARAT PAKHWADA	09-08-2017	NSS
5	SWACHH BHARAT AT NELLORE RAILWAY STATION	11-08-2017	NSS
6	AWARENESS PROGRAM ON CLAY GANESHA	20-08-2017	EIE
7	AN AWARENESS ON SOCIAL SITES OF INTERNET	24-08-2017	CSE
8	EYE CAMP	10-09-2017	ECE
9	AN AWARENESS PROGRAM ON EARTHING & ELECTICAL SAFETY	21-09-2017	EEE
10	MEDICAL CAMP	03-10-2017	ECE
11	AWARENESS PROGRAM ON DIWALI FIRE ACCIDENTS	18-10-2017	NSS

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12	DISTRIBUTION OF BOOKS & STATIONARY TO GOVT SCHOOL	24-10-2017	CIVIL
13	BOOKS & STATIONARY DISTRIBUTION TO LITTLE HEARTS ORPHANAGE	16-01-2018	NSS
14	A RALLY ON ENERGY CONSERVATION	29-01-2018	EEE
15	RICE BAGS DISTRIBUTION TO HEAVEN CHARITABLE TRUST	12-02-2018	ECE
16	AN AWARENESS PROGRAM ON CHILD LITERACY	17-02-2018	MCA
17	BLOOD DONATION CAMP	16-03-2018	NSS
18	CEILING FANS DISTRIBUTION TO GEETHAMAYI OLDAGE HOME	24-04-2018	NSS
19	A RALLY ON SUN STROKE REMEDIES	25-04-2018	ECE
20	ANTI DRUG TRAFFIC	28-04-2018	MBA
21	VANAMAHOTSAV	07-07-2018	CSE

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 02 alumni association meetings were conducted and 215 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.

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41. **IQAC:** As a step towards quality improvement, the college has established Internal Quality Assurance Cell in AY 2015-16. IQAC is active and 7 (Seven) 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 (19-06-2017)

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 19th, Jun, 2017. Still the team recommends improving in the area of faculty research and publications in reputed journals to accomplish.

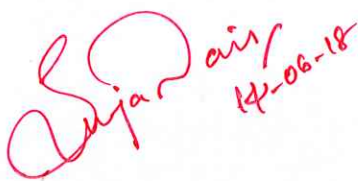
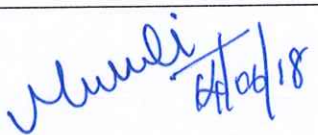
Strengths

- Counselling, yoga and meditation programs are offered to the students to enhance the power of concentration, overcome stress and to ensure mental maturity.
- The faculty members prepare course dairy, course plan and course material for the subjects taught by them and the same made available in MOODLE.
- Institution has a systematic approach to identify advanced learners and slow learners.
- As pre-requisite bridge courses are conducted for some specific subjects in every department.
- MOODLE is adopted as a system for faculty and student interaction.
- Faculty Development Programs and initiatives are organized regularly to update the skills.
- Curricular and co-curricular activities are well balanced.
- The faculty members are encouraged for external participation by reimbursing registration-fee, travelling charges etc.
- Skill development, competency in communication skills, personality development are conducted to promote job competency.

Suggestions for the AAA: 2017-18

- The overall general maintenance of the college is fine, but suggested better maintenance in the area of sanitation.
- It is suggested to publish research papers in reputed journals having high impact factor and peer reviewed journals.
- More industrial visits need to be conducted for MBA, CSE and EIE programmes.
- Research and development activities to be strengthened by opting funded projects.
- Measures needs to taken towards Innovation activities and knowledge creation.
- Need to improve in developing institutional collaboration with reputed industries.
- Invite Core companies for on-campus drives.
- Conduct International programs/events.

- Experimental kits, Measuring Equipment need to be replaced in
 - Electrical Measurements Laboratory
 - Power Electronics.
 - Control Systems Laboratory
 - Strength of materials Laboratory
 - Instrumentation Laboratory
- A few instruments in Electrical Machines Laboratory need to be repaired / replaced.
- RAM capacity to be increased in Computer laboratories.
- Few consumables required in Electronics and Communication Engineering Department.

SNO.	Details of External Members	Signature
1	Dr. Suja S Nair Professor & Head Department of Business Management Vikrama Simhapuri University Kakatur, Nellore, Andhra Pradesh	
2	Dr. N Murali Krishna Professor, Department of ECE Sreyas Institute of Engineering & Technology Nagole, Hyderabad, Telangana.	
3	Dr. M Venugopal Rao Professor & Head Department of Electrical & Electronics Engineering PVP Siddhartha Institute of Technology Kanuru, Vijayawada, Andhra Pradesh	