

Academic and Administrative Audit (AAA)
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Name of the Department		Electrical & Electronics Engineering		
Date of Audit		12-12-2018		
Academic year		2018-19	Semester	I
Audit Team				
Sl.No	Name	Designation	Department	
1	Mr. Nareshbabu U	Associate Professor	EEE	
2	Mr. G Ashok Kumar	Assistant Professor	EEE	
3	Mr. V Kishore Reddy	Assistant Professor	MBA	
4	Mr. Tamil Selvan	Associate Professor	CSE	

Name of the Head Of the Department		Prof. G.Venkateswarlu				
Mail ID	eeehodnecn@narayanagroup.com	Mobile NO			7780555391	
S.No	Programs offered	Strength				
		I	II	III	IV	Total
1	B.Tech	91	137	100	112	349
2	M.Tech	06	11			17

Sl.No	Aspects/Activities, Observations ,Remarks/Suggestions
1	Academic Calendar- Implementation
	Observations: As per JNTUA calendar semester was scheduled from 2 nd July 2018 to 17 th November 2018. Based on JNTUA Calendar department prepared its own calendar and implemented with minor deviations.
	Remarks/suggestions: -----
2	Certificate courses /Add-on programs
	Observations: one Courses were conducted Certificate course on "Electrical Design and Installation" in association with AMI Engineering and infra held between 8/10/2018 to 13/10/2018.
	Remarks/suggestions: Advised to conduct Certificate course for II year students.
3	Value-Added Courses
	Observations: 2 Courses were conducted 1) Conducted Value added course on "MATLAB and its applications in Electrical Engineering" by Prolific systems tech pvt ltd held between 14-08-2018 to 19-08-2018. 2) Conducted Value added course on "PLC and SCADA" by Prolific systems tech pvt ltd

	from 20-08-2018 to 24-08-2018.																										
	Remarks/suggestions: Documents related to value added courses are maintained properly.																										
4	Guest Lecturers																										
	<p>Observations: Total 10 Guest Lectures Were Conducted</p> <ol style="list-style-type: none"> 1. Guest lecture by Mr.Ramanaiah , Assoc.Prof in Govt. Polytechnic College on "Electronic Devices and Circuits" for all EEE students from 28-07-2018 to 29-07-2018 2. Guest lecture by "Designing of PLC and SCADA" by Mr. V.Madhukar, Assoc. Director of prolific system and technologies Pvt.ltd. on 10/08/2018 3. Guest lecture by Alumni Mr.Sd.Adeed, Marketing engineer, Hyderabad on "Marketing Trends in Electrical Appliances" on 12-09-2018. 4. Guest lecture by Alumni Mr.B.Vamsi Kumar sarma, simulation engineer, SIM INFOSYSTEMS, Chennai on "Electrical Simulation and Control of boilers" on 12/09/2018. 5. Alumni Guest lecture by Sk.Shakeer Ahammad & Syed Hidayathulla, Project Engineer, AMI, Nandyal on "Electrical Design & Installation" on 08/10/2018. 6. Alumni Guest lecture by Masumsattar Shaik, Managing Director, Spinoware, Nellore on "Importance of Electrical Engineering" on 09/10/2018. 7. Guest lecture by Dr.V.Ganesh, Professor, HOD, JNTUCE, Pulivendula, "Power System Operation and Control" on 24-10-2018. 8. Guest lecture on "Distributed Control Systems in Electrical Engineering" by Mr.R Bhavani Singh, General Manager, SSK Delta Design Engineering PVT. LTD, Chennai 																										
	Remarks/suggestions: Eminent speakers from NIT's or IIT's & Industry may be invited as resource persons for Guest Lectures.																										
5	Bridge Courses																										
	<p>Observations: six Bridge Courses Were Conducted on EC-II, EM-I, EM-III, PE, EPTS & LDICA</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Name of the Subject</th> <th>Topics Covered</th> <th>Date(s)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ELECTRICAL CIRCUITS-II</td> <td>Fourier series, Laplace transforms and Z transformers to solve network problems.</td> <td>13-07-2018</td> </tr> <tr> <td>2</td> <td>ELECTRICAL MACHINES -I</td> <td>Electromagnetic energy conversion and basic laws.</td> <td>16-07-2018</td> </tr> <tr> <td>3</td> <td>ELECTRICAL MACHINES-III</td> <td>Construction of AC machines, And importance and applications of special machines.</td> <td>16-07-2018</td> </tr> <tr> <td>4</td> <td>POWER ELECTRONICS</td> <td>Basics of Semiconductor devices.</td> <td>18-07-2018</td> </tr> <tr> <td>5</td> <td>ELECTRICAL POWER TRANSMISSION SYSTEM</td> <td>Basics of line parameters, brief idea on Ferranti, proximity, and</td> <td>18-07-2018</td> </tr> </tbody> </table>			S.No	Name of the Subject	Topics Covered	Date(s)	1	ELECTRICAL CIRCUITS-II	Fourier series, Laplace transforms and Z transformers to solve network problems.	13-07-2018	2	ELECTRICAL MACHINES -I	Electromagnetic energy conversion and basic laws.	16-07-2018	3	ELECTRICAL MACHINES-III	Construction of AC machines, And importance and applications of special machines.	16-07-2018	4	POWER ELECTRONICS	Basics of Semiconductor devices.	18-07-2018	5	ELECTRICAL POWER TRANSMISSION SYSTEM	Basics of line parameters, brief idea on Ferranti, proximity, and	18-07-2018
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			corona effects.	
	6	LINEAR & DIGITAL IC APPLICATIONS	Integrated circuits and their applications the analogue circuits.	23-07-2018
	Remarks/suggestions: Bridge courses were conducted for Good number of subjects and recorded properly.			
6	Tutorial Classes			
	Observations: Tutorial classes were conducted for all subjects and files were maintained.			
	Remarks/suggestions: Good number of tutorial classes were conducted			
7	Remedial classes / Remedial coaching			
	Observations: It was observed that remedial classes were conducted for slow learners identified from Unit-I, MID-I, Unit-II for all subjects.			
	Remedial Coaching: Remedial Coaching was provided for the following subjects 1.Electro Magnetic Fields 2.Electrical Circuits-1 3.Power Semiconductor Drives 4.Management Science 5.Electrical Machines - II			
	Remarks/suggestions: Good number of remedial classes was conducted for slow learners. Advised to maintain the file up to date. Also advised to improve the attendance for remedial coaching.			
8	Counseling/mentoring			
	Observations: It was observed that counseling was done for every fortnight by the mentors on academic issues.			
	Remarks/suggestions: Counseling was done for the students with more backlogs.			
9	Industrial Visits			
	Observations: Two industrial visits were organized 1) Industrial Visit at 33/11KV substation on 29\09\18. 2) Industrial Visit to Indo national limited (NIPPO) on TADA on 06\10\18.			
	Remarks/suggestions: Good number of industrial visits was organized.			
10	Student seminars			
	Observations: It was observed that student seminars were conducted twice in a semester and the details were recorded properly.			
	Remarks/suggestions: It is suggested to conduct student seminars as per schedule.			
11	Lecture Schedule verification			
	Observations: It was observed that syllabus coverage was verified based on lecture schedule for every fortnight in the semester and it was observed that few subjects were deviated			

	from the lesson plan.
	Remarks/suggestions: It is suggested to take up extra classes to complete the syllabus as per schedule.
12	Lab Records/Manuals
	Observations: It was observed that stock registers and lab manuals were updated.
	Remarks/suggestions: Soft copies and hard copies of all lab manuals for each semester are maintained by the department.
13	Laboratory maintenance
	Observations: It is observed maintenance details were entered in the common book.
	Remarks/suggestions: It is suggested to maintain separate files for laboratory maintenance which includes the number of equipment in condition, under repair, etc. All this information should be updated on day to day basis. It is mandatory to maintain all these records. This information will be useful for further references.
14	Laboratory(Equipment):Status
	Observations: It is observed that equipment available in the department is in working condition.
	Remarks/suggestions: Equipment available as per AICTE in all labs
15	Continuous Evaluation for practical courses
	Observations: It was observed continuous evaluations of students are done in all practical courses.
	Remarks/suggestions: Good and continuous evaluation process is done in the department. It is appreciable.
16	Learning Materials
	Observations: It is observed that course files, question banks, previous year question papers were provided to students as learning materials. All the material was uploaded in MOODLES
	Remarks/suggestions: Encourage the students to use resources from the moodle.
17	Student's Association Activities
	Observations: The department has SAKALA Association. Under this association total 6 activities were organized. <ol style="list-style-type: none"> 1) Elocution to III year students on 04-08-18 2) Quiz to II year students on 18-08-18 3) Panel Discussion On Technical Education System on 01-09-18 4) Debate On Impact Of Social Media On Our Society on 06-10-18 5) Aptitude & Reasoning Test for III B.Tech students on 27-10-18 6) Speeches on great personalities for II B.Tech students on 03-11-18
	Remarks/suggestions: Conducted good number of activities.
18	Professional Society Activities
	Observations: Total 2 activities were organized on

	<p>1) Plan for conduct Guest Lecture for Power plant Engineering Application by using PLC SCADA</p> <p>2) Designing of PLC/SCADA</p>
	Remarks/suggestions: Involve all the students to conduct more number of activities.
19	Student External Participation
	Observations: 30 students were participated in various external events and one student secured second prize.
	Remarks/suggestions: Encourage and guide the students to participate in prestigious organizations. Also motivate more number of students to participate in external events.
20	Placements / Placement Training
	Observations: Total 5 students selected in various companies. Placement training was arranged to help the students in getting jobs by external agencies and internal faculty members.
	Remarks/suggestions: -----
21	Collaborations: Linkages/MOUs
	Observations: Total active MOUs are 7. Activities were organized under each MOU.
	Remarks/ suggestions: The Department has good number of Linkages and MOUs.
22	Faculty participation (Internal and External)
	Observations: It was observed that five faculty members are involved in internal Bridge Courses. All the faculty members are participated in either internal or external events.
	Remarks/suggestions: Each and every faculty member in the department should participate in external events.
23	Course Files
	Observations: It is observed course files are maintained in OBE format and also uploaded in moodle.
	Remarks/suggestions: -----
24	Career counseling
	Observations: It is observed that two career guidance programs were organized on <p>1) Awareness program on GATE - 08/01/2019</p> <p>2) Awareness program on GRE - 27/08/2018</p>
	Remarks/suggestions: More number of career counseling programmes should be planned especially for III, IV year students to take right decision at right time.
25	Workshops/Seminars/Conferences/FDP'S/NLTS etc., conducted
	Observations: <p>1. Two days FDP Programme "IMPORTANCE OF EARTHING" was conducted from 20-07-2018 to 21-07-18</p> <p>2. One week FDP Programme on Advanced Power electronics applications using SPICE Programming in association with Lab Tech innovations from 17-12-2018 to 22-12-2018.</p>

	3. Department event "National level Technical symposium (NTSEE-18)" held on 13-10-2018.
	Remarks/suggestions: National and international conferences for the faculty members should be arranged in the department, eminent key note speakers can be invited for conferences.
26	Feedback on Curriculum
	Observations: It was observed that the feedback on curriculum was collected from all stakeholders, analyzed and necessary action was initiated.
	Remarks/Suggestions: Advised to implement suggestions provided by stakeholders if necessary.
27	Computing Equipment
	Observations: Total 31 computing equipments are available in the department
	Remarks/suggestions: The required number of computing equipment resources can be placed As per AICTE norms for the benefit of students.
28	Student grievances Redressal
	Observations: There are no Grievances recorded in this semester
	Remarks/suggestions: -----
29	Professional development programs (For Teaching and Non Teaching staff)
	Observations: It was observed two programs were organized 1. Two days Programme "IMPORTANCE OF EARTHING" was conducted from 20-07-2018 to 21-07-18 2. One week Programme on Advanced Power electronics applications using SPICE Programming in association with Lab Tech innovations from 17-12-2018 to 22-12-2018.
	Remarks/suggestions: -----
30	E- learning resources
	Observations: It was observed e-learning resources were provided to all the subjects and they are also uploaded in MOODLES
	Remarks/suggestions: -----
31	Meetings (Faculty, Cells, Committees, student bodies)
	Observations: Two Meetings were conducted for staff in every month. Student body meetings were conducted as and when required.
	Remarks/suggestions: Advised to Conduct Student body meetings in every month.
32	Website updating
	Observations: EEE department website. data have been submitted FOUR times in the semester and found updated.
	Remarks/suggestions: -----
33	Research & Development (R&D):(publications, projects)
	Observations: It was observed 04 papers are published by the faculty.
	Remarks/suggestions: All the faculty members should publish papers in the reputed journals.

34	General Maintenance			
	Observations: It was observed general maintenance file is maintained.			
	Remarks/suggestions: Complaints of repairs, action taken, within how many days it is completed all this information should be maintained and file should be updated periodically			
35	Extension Activities (Activities, Awards, Outreach)			
	Observations: It was observed total three extension activities were organized 1) Health Awareness Program for Nutrition Food in Edison Auditorium on 28/08/18. 2) Blood Donation camp on 21/10/18.			
	Remarks/suggestions: -----			
36	Software packages			
	Observations: It was observed three software packages MATLAB, MI POWER, PSPICE are available in the department.			
	Remarks/suggestions: -----			
37	Alumni(Data updating, Visits, benefits derived, Alumni Meets)			
	Observations: Total Alumni visited : 30 and activities in this semester: 08 1) Applications of Electrical Engineering for III EEE Students by G.ASHOK KUMAR on 07/09/2018. 2) Carrier Guidelines & Importance of electrical engineering for II EEE students by N.YESWANTH on 11/09/2018. 3) Importance of electrical engineering and guidelines to the competitive exams for IV EEE students by Sd.Abeed on 12/09/2018. 4) Carrier Guidelines & Importance of electrical engineering for II EEE students by P.Rama Subba Reddy on 26/09/2018 5) Electrical design & Installation for III EEE students by Sk.Shakeer AHAMMAD on 08/10/2018 6) Importance Of Electrical Engineering for IV EEE Students by MASUMSATTAR SHAIK on 09/10/2018 7) Carrier guidelines for II EEE Students by Y.K.REVANTH KUMAR on 09/10/2018 8) How to prepare the GATE/IES exams for IV EEE Students by N.CHAITNAYA KUMAR REDDY on 29/10/2018.			
	Remarks/suggestions: Alumni meet should be arranged and alumni data have to be updated.			
38	Use of ICT in Teaching-Learning			
	Observations: It was observed ICT tools are available in all class rooms of the department. All the staff is utilizing the ICT tools as and when required.			
	Remarks/suggestions: Advised to make use of ICT facilities more effectively for better understanding of concepts.			
39	Attendance (Final-End Semester)			
	Year	No of Students	Promoted	Condoned
				Detained

IQAC

Internal Quality Assurance Cell (IQAC)
Narayana Engineering College :: NELLORE

I	91	89	01	02
II	137	127	14	10
III	100	100	08	-
IV	112	112	07	-
Observations: for every 15 days attendance calculation was done, phone follow up to parents, intimation letters to parents, mentor counseling to shortage attendance all such information is maintained in the file.				
Remarks/suggestions: Effective follow up was done to reduce the shortage of attendance. Still to reduce the detained and condonation number further regular parent teacher meeting should be arranged to inform the status of the student.				

IQAC


Internal Quality Assurance Cell (IQAC)
Narayana Engineering College :: NELLORE

Overall observations and recommendations:

- 1) Provide E-learning resources for better understanding of subjects.
- 2) Motivate the faculty members towards Research publications in reputed journals.
- 3) Improve Professional Society Activities.
- 4) To conduct student seminars as per schedule.
- 5) Encourage the students to use resources from the moodle.
- 6) Encourage and guide the students to participate in prestigious organizations.
- 7) Encourage all the faculty members to publish papers in reputed journals.

1. Signature: 


(Name : U. Nageshbabu)

2. Signature: 

(Name : G. Ashok Kumar)

3. Signature: 

(Name : V. KISHORE RIFOM)

4. Signature: 

(Name : S. Tamilarasu)