

**IQAC**

**Internal Quality Assurance Cell (IQAC)**  
 Narayana Engineering College :: NELLORE  
 Approved by AICTE to JNTUA; An ISO 9001-2008 Certified Organization

### Academic and Administrative Audit (AAA)

<b>Name of the Department</b>		Computer Science and Engineering		
<b>Date of Audit</b>		11/12/18		
<b>Academic year</b>		2018-19	<b>Semester</b>	I
<b>Audit Team</b>				
<b>Sl.No</b>	<b>Name</b>	<b>Designation</b>		<b>Department</b>
1	Mr. Nareshbabu U	Associate Professor		EEE
2	Mr. Tamil Selvan	Associate Professor		CSE
3	Mrs. D Sreelakshmi	Assistant Professor		ECE
4	Mr. M Chandra Sekhar	Associate Professor		MECH

<b>Name of the Head Of the Department</b>		Dr.B.Gethavani				
<b>Mail ID</b>	csehodnecn@narayanagroup.com	<b>Mobile NO</b>			9100051611	
<b>S.No</b>	<b>Programs offered</b>	<b>Strength</b>				
		<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	<b>Total</b>
1	<b>B.Tech</b>	120	125	107	105	457
2	<b>M.Tech</b>	04	08			12
3						469

<b>Sl.No</b>	<b>Aspects/Activities, Observations ,Remarks/Suggestions</b>
1	<b>Academic Calendar- Implementation</b>
	<b>Observations:</b> As per JNTUA calendar semester was scheduled from 1 <sup>st</sup> July 2018 to 11 <sup>th</sup> November 2018
	<b>Remarks/suggestions:</b> As per academic calendar classes were conducted smoothly.
2	<b>Certificate courses/ Add-on programs</b>
	<b>Observations:</b> Conducted 3 certificate courses Programming In C 16/11/18 & 17/11/18 in association with IIT Bombay Programming In CPP 09 /11/18 & 17/11/1809 in association with IIT Bombay Programming In Java 22/11/18 in association with IIT Bombay Add- on Course on Cyber Security 11-10-2018 To 13-10-2018 in association with APITA
	<b>Remarks/suggestions:</b> Good number of certificate programs is conducted on latest technologies.
3	<b>Value-Added Courses</b>
	<b>Observations:</b> Conducted One value added courses Core and Advanced Java From 12-12-2018 To 22-12-2018 Mrs.C.Anoosha Sr.Software Engineer VSS Technologies, Bangalore
	<b>Remarks/suggestions:</b> Good number of value added programs has been Planed in the Even Semester for the benefit of students.

4	<b>Guest Lecturers</b>
	<p><b>Observations:</b> Total One Guest lectures on latest trends personality development, Interview skills,</p> <ol style="list-style-type: none"> <li>1. Guest Lecture on Big Data and Hadoop Technologies On 20-08-2018 by Dr R.B.V.Subramanyam, Professor in CSE, NIT Warangal</li> <li>2. Guest Lecture on optical Character Reorganization on 03-10-2018 by Mr.V.Chandra shekar IIIT-Sricity</li> </ol>
	<p><b>Remarks/suggestions:</b> Invite Eminent speakers from Universities, NIT's or IIT's as resource persons for Guest Lectures.</p>
5	<b>Bridge Courses</b>
	<p><b>Observations:</b> Five bridge courses were conducted. Two for IV year students , Two for III year students and one for II year students on that Following</p> <ol style="list-style-type: none"> <li>1. Information Security - 04/08/2018 -IV CSE</li> <li>2. Mobile Application Development - 16/08/2018 -IV CSE</li> <li>3. Software Testing - 18/08/2018 -III CSE</li> <li>4. Big Data-Hadoop -06/10/2018 -III CSE</li> <li>5. Data Base Management System - 09/07/2018 -II CSE</li> </ol>
	<p><b>Remarks/suggestions:</b> nil</p>
6	<b>Tutorial Classes</b>
	<p><b>Observations:</b> Tutorial classes were conducted for All subjects per year and files were maintained by individual Faculty</p>
	<p><b>Remarks/suggestions:</b> Good number of tutorial classes were conducted</p>
7	<b>Remedial classes/Remedial coaching</b>
	<p><b>Observations:</b> It was observed that remedial classes were conducted for slow learners identified from MID-I, for All difficult subjects.</p>
	<p><b>Remarks/suggestions:</b> Good number of remedial classes was conducted for slow learners.</p>
8	<b>Counseling/mentoring</b>
	<p><b>Observations:</b> It was observed that counseling was done for every fifteen days by the mentors on academic issues.</p>
	<p><b>Remarks/suggestions:</b> All the mentors are suggested to do the personal counseling also apart from career guidance as it will help students to resolve stress, mental health issues</p>
9	<b>Industrial Visits</b>
	<p><b>Observations:</b> Two industrial visits were organized infocepts for IV CSE 27/07/2018, Ux Business solutions for III CSE 09/10/2018, Chennai</p>
	<p><b>Remarks/suggestions:</b> Good number of industrial visits was organized.</p>
10	<b>Student seminars</b>
	<p><b>Observations:</b> It was observed that student seminars were conducted as per the schedule.</p>
	<p><b>Remarks/suggestions</b> seminars were conducted Smoothly</p>
11	<b>Lecture Schedule verification</b>
	<p><b>Observations:</b> It was observed that syllabus coverage was verified based on lecture schedule eight times in the semester and it was observed that few Subjects were</p>

	deviated from the lesson plan.
	<b>Remarks/suggestions:</b> It is suggested to take up extra classes to complete the syllabus as per schedule
12	<b>Lab Records/Manuals</b>
	<b>Observations:</b> It was observed that stock registers and lab manuals are updated
	<b>Remarks/suggestions:</b> Soft copies and hard copies of all lab manuals for each semester are maintained in the department
13	<b>Laboratory maintenance</b>
	<b>Observations:</b> usage log books are Maintained
	<b>Remarks/suggestions:</b> It is suggested to maintain separate files for laboratory maintenance which includes the number of Systems in condition, under repair, etc.
14	<b>Laboratory(Equipment):Status</b>
	<b>Observations:</b> It is observed that Systems available in the department are in working condition.
	<b>Remarks/suggestions:</b> Systems available as per AICTE norms in all labs
15	<b>Continuous evaluation for practical courses</b>
	<b>Observations:</b> It was observed continuous evaluations of students are done in all practical courses.
	<b>Remarks/suggestions:</b> Good and continuous evaluation process is done in the department. It is appreciable.
16	<b>Learning Materials</b>
	<b>Observations:</b> It is observed that course files, question banks, previous year question papers are provided to students as learning materials.
	<b>Remarks/suggestions:</b> It is suggested to provide another set of question bank with questions which are frequently asked and also it is suggested to keep all learning materials in the website so that it will be accessible to all the students.
17	<b>Student's Association Activities</b>
	<b>Observations: Association of Computer Engineers</b> Total 7 activities were organized on ACE Like GD, Technical quiz, seminars on New trends Technologies, Tong twister , online Motivational Speech etc.
	<b>Remarks/suggestions:</b> Active participation of students in all activities is noticed
18	<b>Professional society activities</b>
	<b>Observations: Computer Society of India</b> It was observed that 3 Professional Society Activities were organized. <ol style="list-style-type: none"> <li>1. SEMINAR On DevOps revolution in IT and current trends in agile on 20-8-2018 by Mr. M. Vijay Kumar Raju, Delivery Manager, T.C.S, U.K</li> <li>2. Guest Lecture on BIg Data and Hadoop Technologies on 20-08-2018 by Dr R.B.V.Subramanyam, Professor in CSE, NIT Warangal</li> <li>3. A Talk on "Machine Learning Concepts" on 29-8-2018 by Dr. P.E.S.N Krishna Prasad, Professor &amp; HOD , S.V. College of Engineering, Tirupati</li> </ol>
	<b>Remarks/suggestions:</b> Professional society membership should be taken by each and every staff member. It gives an advantage when presenting papers in conferences
19	<b>Student external participation</b>
	<b>Observations:</b> In Total 70 students have participated in external events like Paper

	Presentation, Poster, Quiz, Coding etc. 04 students have grabbed the prizes in Technical Quiz at Nipuna2k18- NECG
	<b>Remarks/suggestions:</b> More number of students can be encouraged to participate in external events and it will be an added advantage to students in seeking job opportunities.
20	<b>Placements/placement training</b>
	<b>Observations:</b> Eight students got placed in different companies.
	<b>Remarks/suggestions:</b> Internal Training have been conducted
21	<b>Collaborations: Linkages/MOUs</b>
	<b>Observations:</b> Two linkages and One MOU's taken by the department
	<b>Remarks/suggestions:</b> It is suggested that collaborations with industries should be taken for better job opportunities and to conduct workshops/ seminars to the students.
22	<b>Faculty participation (Internal and External)</b>
	<b>Observations:</b> It was observed that 10 faculty members participated in the external FDP's.
	<b>Remarks/suggestions:</b> Each and every faculty members in the department should participate in the external and internal events.
23	<b>Course Files</b>
	<b>Observations:</b> It is observed soft copies and a hard copy course files are maintained in OBE format.
	<b>Remarks/suggestions:</b> course files are maintained well
24	<b>Career counseling</b>
	<b>Observations:</b> It is observed that one career counseling programme were organized by the department <ol style="list-style-type: none"> <li>1. Awareness Programme on Higher Education on 27-08-18 by Prof M.Deva Santhanam Pillai, Director, St.Anne's Academy, Sion Study Abroad Consultants,Vijayawada</li> </ol>
	<b>Remarks/suggestions:</b> Career counseling is very important for the students to make decisions since they do not know what they want to be in life. More number of career counseling programmes should be planned especially for III, IV year students to take a right decision at right time.
25	<b>Workshops/Seminars/Conferences/FDP'S/NLTS etc., conducted</b>
	<b>Observations:</b> Total Two programs were organized in the department such as workshop, FDPS, seminars, etc. <ol style="list-style-type: none"> <li>1. SEMINAR On DevOps revolution in IT and current trends in agile on 20-8-2018 by Mr. M. Vijay Kumar Raju, Delivery Manager, T.C.S, U.K</li> <li>2. Three day Workshop On Google Android Development Fundamentals From 16-08-2018 to 18-08-2018 by</li> </ol>
	<b>Remarks/suggestions:</b> National Or international conferences for the faculty members should be arranged in the department,
26	<b>Feedback on Curriculum</b>
	<b>Observations:</b> It was observed feedback on curriculum was obtained from few alumni's.

	<b>Remarks/suggestions:</b> Feedback on curriculum from students, faculty members, and stake holders should be taken and summary of all should be made and proper file should be maintained
27	<b>Computing equipment</b>
	<b>Observations:</b> Total 216 computing equipments are available in the department
	<b>Remarks/suggestions:</b> The required number of computing equipment resources can be placed As per AICTE norms for the benefit of students.
28	<b>Student grievances Redressal</b>
	<b>Observations:</b> Student grievance cell is actively functioning.
	<b>Remarks/suggestions:</b> -----
29	<b>Professional development programs(For Teaching and Non Teaching staff)</b>
	<b>Observations:</b> It was observed One professional development programmers were organized for the teaching staff "Java Programming "21/01/2019 To 25-01-2019 Resource Person Mr.Dineshkumar ,Oracle Academy -Mumbai
	<b>Remarks/suggestions:</b> --
30	<b>E- learning resources</b>
	<b>Observations:</b> It was observed e-learning resources are provided and uploaded in Moodle.
	<b>Remarks/suggestions:</b> E-learning resources like links, NPTEL Videos should be arranged to the students along with the materials for difficult topics. The materials soft copies should also be placed in the website for easy access to all the students.
31	<b>Meetings (Faculty, Cells, Committees, student bodies)</b>
	<b>Observations:</b> Total 11 faculty meetings were organized and 3 student body meetings were organized.
	<b>Remarks/suggestions:</b> Monthly once meeting should be organized with all CR's and LR's to discuss the overall improvement of the department and all the minutes should be noted and filed.
32	<b>Website updating</b>
	<b>Observations:</b> CSE department page is updated Four times in the semester.
	<b>Remarks/suggestions:</b> In website all tabs data completed
33	<b>Research &amp; Development (R&amp;D):(publications, projects)</b>
	<b>Observations:</b> Two papers published.
	<b>Remarks/suggestions:</b> All the faculty members should publish papers in the reputed journals at least one paper in the areas of interest for each semester.
34	<b>General Maintenance</b>
	<b>Observations:</b> It was observed general maintenance file is maintained.
	<b>Remarks/suggestions:</b>
35	<b>Extension Activities(Activities, Awards, Outreach)</b>

	<p><b>Observations:</b>                  Individual department level extension activities should be taken up like                  Vanamahotsav 07-07-2018                  Awareness on Social Sites of Internet-24-08-2018                  World suicide Prevention Day 10-09-2018                  National Unity Day 31-10-2018                  National Integration Day                  (INDIRA GANDHI'S BIRTHDAY) 19-11-2018                  Good governance day -25-12-2018</p>				
	<p><b>Remarks/suggestions:</b> NIL</p>				
36	<p><b>Software packages)</b></p>				
	<p><b>Observations:</b> It was observed software package was available.                  Turbo C, C++,Ms-Office, 2007/2010 VLK, Oracle 9i Standard, IBM Rational Rose (UML), JDK, Weka, Apache Server, Apache Tomcat Server, Apache Hadoop, Android Studio, Android SDK, My SQL Server, Oracle XE Server (SQL), Selenium IDE, Eclipse IDE, Modelio (UML)</p>				
	<p><b>Remarks/suggestions:</b> Preference can be given to Open Sources.</p>				
37	<p><b>Alumni(Data updating, Visits, benefits derived, Alumni Meets)</b></p>				
	<p><b>Observations:</b> Total 03 alumni students were interacted with final year student , alumni data was found to be updated</p>				
	<p><b>Remarks/suggestions:</b> Alumni meet should be arranged and invite more alumni students to the college</p>				
38	<p><b>Use of ICT in Teaching-Learning</b></p>				
	<p><b>Observations:</b> It was observed only one ICT tools are available in the department. All the staff is utilizing the ICT tools regularly.</p>				
	<p><b>Remarks/suggestions:</b> Appreciations to the department.</p>				
39	<p><b>Attendance (Final-End Semester)</b></p>				
	Year	No of Students	Promoted	Condoned	Detained
	I	120	119	04	01
	II	125	121	09	04
	III	107	104	08	03
	IV	105	104	04	01
	<p><b>Observations:</b> 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.</p>				

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**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. From next semester onwards the detained list and condonation list should be brought to zero necessary action should be taken to achieve this target.

### Overall observations and recommendations:

- 1) It is suggested to take up extra classes to complete the syllabus as per schedule.
- 2) Laboratory maintenance file need to be maintained properly.
- 3) More number of students can be encouraged to participate in external.
- 4) More number of external Trainings has to be organized.
- 5) Motivate the faculty members towards Research publications in Scopus and indexed journals.

1. Signature: 


(Name: U Narayana Babu)

2. Signature: 

(Name: S. Laxmi Devi)

3. Signature: 

(Name: D. Sree Lakshmi)

4. Signature: 

(Name: M. Chandra Sekhar)