



# Anil Neerukonda Institute of Technology & Sciences (Autonomous)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC with 'A' Grade)

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No: ANITS/General Circular/2021-22/09

Date: 18-11-2021

## CIRCULAR

To review teaching – learning process, structures & methodologies of operations and learning outcomes, the Academic and Administrative (AAA) Committee will visit the Departments and Administrative sections as per the following schedule. All the HoDs are requested to submit the softcopy of AAA report to [principal@anits.edu.in](mailto:principal@anits.edu.in) by 30<sup>th</sup> November, 2021.

S.No	Dept.	Date	Evaluators
1.	Mech.	03.12.2021 to 04.12.2021	Dr. J. Vijay Kumar Dr. A. Anupama
2.	CSE	03.12.2021 to 04.12.2021	Dr. B. Soma Sekhar Mr. R. Chandara Mouli
3.	ECE	03.12.2021 to 04.12.2021	Prof. M. Ramakrishna Murty Dr. Rajesh Ghosh
4.	EEE	03.12.2021 to 04.12.2021	Prof. R. Srikanth Dr. K.S. Deepthi
5.	IT	03.12.2021 to 04.12.2021	Dr. Vijay Bhaskar Somu Dr. P. Viswarupachary
6.	Civil	03.12.2021 to 04.12.2021	Dr. S. Ram Prasad Reddy Dr. P. Murugupandiyani
7.	Chemical	03.12.2021 to 04.12.2021	Prof. K. Sivaprasad Dr. K. Sharada
8.	BSH	03.12.2021 to 04.12.2021	Dr. S. Srinivas Mrs. G.V. Gayatri
9.	Library & Exam Cell	03.12.2021 to 04.12.2021	Dr. S. Sivakumar Dr. M. Rekha Sundari
10.	Admin & Hostels	03.12.2021 to 04.12.2021	Dr. M. Raja Roy Mr. M.K.S.S. Chaitanya

  
PRINCIPAL

To  
All HoDs  
Concerned Members  
Assistant Principals  
Convener, IQAC , File of IQAC & Master file

**Anil Neerukonda Institute of Technology & Sciences (Autonomous)**

**Observations & Recommendations made by the IQAC committee for the individual Departments (2020-21)**

**Electronics & Communication Engineering (ECE)**

S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	270.6	90.20	Quality in process of setting question paper, Continuous evaluation with rubrics in labs, structured feedback process, well planned flow in curriculum design	1. MOUs should be active 2. Realtime projects
2	Student's Performance	200	148.2	74.10	· Student participation Success rates have improved marginally . · Placements	Participation in International Events
3	Faculty contributions	250	148.58	<b>59.4</b>	<b>1. Quality publications, 2. Participation in FDPs, 3. Citations, 4. Book publications</b>	<b>1. Funding Projects 2. Organizing International Conferences</b>
4	Co-curricular activities	100	70	70.00	Regular guest lectures are organised	Student participation in extra and cocurricular activities
5	Students support systems	85	62	72.90	· Webinars are conducted in online mode to benefit the students for career prospects · Topics beyond Syllabus are covered through online workshops by external resource persons	· To concentrate on innovative projects that are beneficial to the society
6	Continuous improvement	40	32	80.00	· PO- PSO attainment has increased compared to the pervious academic years · Pass percentage has also increased considerably	· Decline in quality publications is observed. This key area has to be addressed.
7	Best Practices	25	25	100.00	1. Industry Institute Interaction and MoU 2. Sports club & YOGA club 3. Higher Education Club 4. Tinkerers Lab 5. Green Club	
	<b>Total</b>	<b>1000</b>	<b>756.38</b>	<b>78.08</b>		
	NBA					

Electrical & Electronics Engineering (EEE)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	250.39	86.46	1. Usage of ICT enabled tools 2. Usage of Moodles 3. Quality of MID question papers	1. Student paper publications, 2. Industry support lab, 3. Guest lectures from Industrial persons, 3. Upgradation with latest softwares in the computing lab
2	Student's Performance	200	82.98	41.50	NIL	1. More support to be provided for average and below average students, 2. Students should be encouraged to participate in more no. of activities, 3. Students should be encouraged/ motivated to get registered for NPTEL courses
3	Faculty contributions	250	154.88	62.00	1. Quality publications, 2. Participation in FDPs, 3. Citations, 4. Book publications	1. Research projects, 2. consultancy, 3. Participation in conferences, 4. Faculty as Resource person
4	Co-curricular activities	100	50.61	50.61	1. skill enhancement, 2. Functional MOUs	1. collaboration with institute of high accord for expert visits, 2. FDPs, 3. Student participation in extension activities, 4. Student participation in extracurricular activities
5	Students support systems	85	64	75.29	1. Mentoring system, 2. scope for self learning, 3. career guidance, 4. Entrepreneurship activities, 5. Usage of department library	1. webinars and course modules. 2. students for appearing competitive exams. 3. Student innovative projects
6	Continuous improvement	40	14	35.00	1. student placements, 2. quality publications	1. pass percentage, 2. Non attainment of COs/POs
7	Best Practices	25	25	100.00	1. Maintaining the record of Alumni data, 2. Encourage the students of economically weak and academically strong 3. Coding & Design club, 4. Mock GATE, 5. Institute of Engineers (I) chapter	
	Total	1000	641.6	64.16		
	NBA					

Mechanical Engineering (Mech.)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	283.7	94.57%	<ul style="list-style-type: none"> <li>· Feedback from different stakeholder like Alumni, Employers, Faculty are Considered in Design of Curriculum</li> <li>· Question paper setting for internal Exams is as per set guidelines</li> <li>· Student Publications are good inspite of pandemics</li> <li>· Rubrics is being followed meticulously</li> </ul>	<ul style="list-style-type: none"> <li>· To frame guidelines for identification of B. Tech Projects.</li> <li>· PSOs to be revised in line with the departmental strengths with reference to faculty competencies</li> </ul>
2	Student's Performance	200	104.9	52.45%	<ul style="list-style-type: none"> <li>· Success rates have improved marginally .</li> <li>· Placements, higher studies and entrepreneurship has also exhibited a slight improvement</li> </ul>	<ul style="list-style-type: none"> <li>· Academic performance across all years has to be concentrated</li> <li>· Paper and model presentation to be improved</li> </ul>
3	Faculty contributions	250	114.45	45.78%	<ul style="list-style-type: none"> <li>· Number of research guides has increased. It is expected that this figure will improve further as the department possesses a good number of doctorates.</li> </ul>	<ul style="list-style-type: none"> <li>· Faculty have to concentrate on projects and consultancy work</li> <li>· Publications in quality journals should also be focused.</li> </ul>
4	Co-curricular activities	100	93	93.00%	<ul style="list-style-type: none"> <li>· FDP/STTPs are arranged even in pandemic situation in online Mode</li> </ul>	<ul style="list-style-type: none"> <li>· Skill enhancement activities for students have to be arranged at a higher frequency.</li> </ul>
5	Students support systems	85	68	80.00%	<ul style="list-style-type: none"> <li>· Webinars are conducted in online mode to benefit the students for career prospects</li> <li>· Topics beyond Syllabus are covered through online workshops by external resource persons</li> </ul>	<ul style="list-style-type: none"> <li>· To concentrate on innovative projects that are beneficial to the society</li> </ul>
6	Continuous improvement	40	20	50.00%	<ul style="list-style-type: none"> <li>· PO- PSO attainment has increased compared to the pervious academic years</li> <li>· Pass percentage has also increased considerably</li> </ul>	<ul style="list-style-type: none"> <li>· Decline in quality publications is observed. This key area has to be addressed.</li> </ul>
7	Best Practices	25	25	100.00%	<ul style="list-style-type: none"> <li>· The department has augmented the best practices already existing to enhance the quality of academics and non-academic activities.</li> </ul>	<ul style="list-style-type: none"> <li>· The practices have to be elaborated with regards to their impact on the areas to which they are intended</li> </ul>
	<b>Total</b>	1000	709.05	70.91%		

Computer Science & Engineering (CSE)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	264	88.00	Course delivery in collaboration with Industry(infosys) is introduced	Plan to conduct the value added courses.
2	Student's Performance	200	136.5	68.25	Increase in certification count of courses offered by coursera, nptel, Edx etc.	20% of increase in students participation in international and National hackathons or student fests
3	Faculty contributions	250	134	53.60	Increase in submission of research proposals/Patent to various funding agencies	Improving the number of presentation in Seminar/Conferences
4	Co-curricular activities	100	47	47.00	Conducted Alumni meeting, Together We Can and Women Empowerment events	improving the number of industry collaborative activities, like expert faculty/industry heads visits to the
5	Students support systems	85	60	70.59	Improvement in innovative projects available	Improvement in Entrepreneurship activities
6	Continuous improvement	40	19	47.50	Improvement in Student enrollment and placements	Scope of improvement in faculty publications
7	Best Practices	25	25	100.00	Conducted training programs on emerging technologies	Increase the count of coding contest to the students
	Total	1000	685.5			

Chemical Engineering (Ch.E)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	269	89.67	Teaching learning methodologies	Value added courses for students and Industrial support
2	Student's Performance	200	104.58	52.29	Students placements and Self learning through NPTEL	Students academic performance
3	Faculty contributions	250	90	36.00	Faculty attending FDP/STTP	Faculty research publications
4	Co-curricular activities	100	53.04	53.04	Regular guest lectures are organised	Student participation in extra and cocurricular activities
5	Students support systems	85	75	88.24	IIC activities	Student participation in Competitive examinations
6	Continuous improvement	40	9	22.50	Students placements	Students quality and intake Pass percentage, Higher Studies & Entrepreneurship
7	Best Practices	25	15	60.00		Increase number of best practices
	Total	1000	615.62	61.56		

Information Technology (IT)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	275.58	91.86	Increase in enrollment of students in value added courses Quality of student publications improved Pedagogy Rubrics	Industry oriented labs, Global certifications, Industrial tours, Projectors in class rooms and labs Systems
2	Student's Performance	200	154.73	77.37	Placements improved, Average pay package improved, Results improved	Entrepreneurships Higher studies guidance
3	Faculty contributions	250	105.3	42.12	Faculty pursuing PhD increased Increase in guideship Patents Book publications Professional memberships	Research papers (quality and quantity) Research projects Consultancy works
4	Co-curricular activities	100	66.05	66.05	Workshops/Seminars/Skill enhancement activities	Adjunct faculty MoU Activities Outreach programmes
5	Students support systems	85	72	84.71	Self learning Papers published	Entrepreneurship activities
6	Continuous improvement	40	40	100.00	Overall improvement	To increase quality of faculty publications
7	Best Practices	25	25	100.00	Mock Interviews, Virtual coding interview, Program skill development, Club activities	Student chapter activities
Total		1000	738.66	73.87		

Civil Engineering (Civil)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	284	94.67	<ul style="list-style-type: none"> <li>· Feedback from different stakeholder like Alumni, Employers, Faculty are Considered in Design of Curriculum</li> <li>· Question paper setting for internal Exams is as per set guidelines</li> <li>· Rubrics is being followed meticulously</li> </ul>	Industry supported laboratories, Industry involvement in partial delivery of any regular courses
2	Student's Performance	200	92	46.00	Increase in certification count of courses offered by nptel	Student participation in extra and cocurricular activities
3	Faculty contributions	250	93	37.20	Faculty attending FDP/STTP	Faculty research publications
4	Co-curricular activities	100	59	59.00	organised skills enhancement activities for improving students capability , Conducted Alumni association meeting	Student participation in extra and cocurricular activities
5	Students support systems	85	56	65.88	1. Mentoring system, 2.scope forself learning, 3. career guidance, 4. Usage of department library	Entrepreneurship activities
6	Continuous improvement	40	5	12.50	NIL	1. PO And PSO attainment , 2. Pass percentage, 3. Student Placements, Higher Studies& Entrepreneurship, 4. Faculty Publications
7	Best Practices	25	22	88.00		Increase number of best practices
	<b>Total</b>	<b>1000</b>	<b>611</b>	<b>61.10</b>		

**S & H Department**

**Mathematics**

S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	225	174	77.00	1. Implementation of ICT tools.2. Good record of Weak ar	Innovative teaching techniques and methodologies.
2	Faculty contributions	250	120	48.00	1.Faculty improved Publications 2. Faculty Participated in FDP's and Seminars 3. Faculty got awareness on OBE 4. Faculty got membership in professional bodies	1. More Faculty Publications 2. Completion of Faculty Ph.D's 3. Research Projects
3	Student Support Systems.	75	62	83.00	1.Department library is provided with 100 text books which includes reference books also and students are requested to refer the books 2. Students are encouraged to give seminars on advanced topics	Providing More Materials to the students for GATE
4	Best Practices	25	23	92.00	Providing e-learning through MOODLE	Increase number of best practices
<b>TOTAL</b>		<b>575</b>	<b>379</b>			

**Chemistry**

S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	216	86.40	Quality in process of setting question paper, Continuous evaluation with rubrics in labs, structured feedback process, well planned flow in curriculum design	To impliment new innovative teaching techniques and methodologies effectively.
2	Faculty contributions	250	79	31.60		on Faculty research publications , project proposals,Presenting papers in seminars & Conferences
3	Student Support Systems.	75	75	100.00	Implimented effective students supporting systems such as effective mentoring system, maintained good facilities in department	
4	Best Practices	25	23	92.00	Implimented and effective proctorial system	on consultancy works related to water analysis
<b>TOTAL</b>		<b>600</b>	<b>393</b>	<b>65.50</b>		



Physics						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	230	92.00	Improved Teaching learning methodologies	To be focussed on valued courses
2	Faculty contributions	250	113	45.20	Increase in submission of research papers and FDP;s / work shops	Faculty research publications and project proposals
3	Student Support Systems.	75	64	85.33	Student Self learning processing increased	Implement of student participation in seminars for self- learning process
4	Best Practices	25	25	100.00	Best practices improved	
	<b>Total</b>	600	432	72.00		

English						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	216	86.40	Vocabulary and speaking skills are focused; regular oral presentations like , JAMS and GD's and group presentations are practiced and evaluated.	Extra time for self development and speaking spontaneously can be focused.
2	Faculty contributions	250	102	40.80	Faculty have participated in online FDP's and paper presentations.	Faculty can improve publications in high indexed journals.
3	Student Support Systems.	75	65	86.60	The first year students are continuously monitored and psychological problems as well as other problems looked into to encourage students to focus on study and self development.	The students can be focused on personal issues also so that they have a confident and stress free environment.
4	Best Practices	25	25	100.00	Some more events can be included. Students were encouraged to enroll for online course like "Oxford achievers certification course." One batch was completed in 2019 and another batch has been enrolled in 2020, which will improve their employability skills.	Language lab has to be equipped with 34 more no. of computer systems with the latest softwares to enable them to have upgraded level of tests and have better scope for Employability and higher education. Students have to enroll for more courses. English courses offered by Cambridge publication can be focused
	<b>Total</b>	600	408	68.00		