



Anil Neerukonda Institute of Technology & Sciences (Autonomous)

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

SANGIVALASA-531 162, Bheemunipatnam Mandal, Visakhapatnam District

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No: ANITS/Gen-12/Circulars/2020-21

Date: 24-03-2021

CIRCULAR

As part of IQAC program, the Academic and Administrative Committee (AAC) will visit the Departments and Administrative sections and verify the relevant files and records according to the following schedule. The check list of particulars to be furnished by the Departments is enclosed herewith.

S.No.	Department	Date	Time	Visiting Members
1.	Mechanical Engg.	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr. J. Vijay Kumar Mr. T.V.Viswateja
2.	CSE	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr.M Shiva Naresh Mr. R. Chandra Mouli
3.	ECE	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr. V. Murali Dr. S. Siva Kumar
4.	EEE	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Prof. R. Srikanth Dr. J. Vikranth
5.	IT	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr. Ch. Anil Dr. J. Bhaskar Rao
6.	Civil	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr. R. Srikanth Dr. J. Vijay Kumar
7.	Chemical	08-04-2021 & 09-04-2021	10:00 AM to 03:20 PM	Dr. S. Siva Kumar Dr. J. Bhaskar Rao
8.	Basic Science & Humanities	08-04-2021 & 09-04-2021	10:00 AM to 12:30 PM	Dr. R.Sharada Dr. P. Viswarupachary
9.	Library, Admin Office	08-04-2021 & 09-04-2021	01:30 PM to 03:20 PM	Dr. R.Sharada Dr. P. Viswarupachary

R. Srikanth
Convener
(AAC Committee)

[Signature]
PRINCIPAL

To:
Convener (IQAC),
AAC Members All HODs,

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Observations & Recommendations made by the IQAC committee for the individual Departments

Electronics & Communication Engineering (ECE)

S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	271	90.33	Quality in process of setting question paper with OBE, Continuous evaluation with rubrics in Labs, Structured feedback process, In-house Quality student Projects in Research Groups[46 Journals], Well planned Flow in Curriculum design & updating CO's	1. MOU's should be active. 2. Real time projects
2	Student's Performance	200	128	64.00	Maintained in Placements & Student Participations	Participation in International Events
3	Faculty contributions	250	169	67.60	Patent Filed, Book & Book Chapters, MODROBS, Awards	1. Funding projects. 2. Organizing International Conference
4	Co-curricular activities	100	90	90.00	Good no of events organized	Adjunct Faculty from Industry with minimum 30 Hrs per Semester.
5	Students support systems	85	75	88.24	Improved in self learning & GATE ranks due to In-house training.	Entrepreneurship Subject
6	Continuous improvement	40	22	55.00	Improvement shown in Faculty Publications	GATE Ranks
7	Best Practices	25	25	100.00	Rubrics in projects and labs, Moodle, Student Club Events	
	Total	1000	780	78.00		
	NBA		671			

2017
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Electrical & Electronics Engineering (EEE)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	217	72.33	Rubrics is used for laboratory assessment leading to better student performance analysis, Higher number of student involvement in feedback process, Better coverage of non-domain Program outcomes and higher level of Bloom's taxonomy is observed to promote self-learning, Improved awareness of OBE among faculties and students	Academic calendar to be more precisely followed, student encouragement for self-learning, enabling the remaining classes with ICT tools, better identification of curriculum gap, proposing suitable value added course for students, to enhance more industry related interactions
2	Student's Performance	200	137.43	68.72	Success rate and academic performance of students has improved, increase in awareness is reflected among students in reference to placement, higher studies, certificate programs like NPTEL courses	To encourage students for more participation in curricular, co-curricular, extra-curricular activities and certificate programs
3	Faculty contributions	250	141	56.40	Increase in full-time teachers with Ph.D, increase in Ph.D guidance candidates with increase in faculties registered for Ph.D guidance, improvement in publications in books, chapters and good quality journals, more paper presentations in conferences	Improve participation as resource person, Collaborate with industries/other institutes for increased participation in guest lectures
4	Co-curricular activities	100	69	69.00	Improvement in programs conducted like FDP/STTP/workshop, improvement in capacity development and skills enhancement activities, increase in contributions from alumni	Focus on collaboration with institute of high accord for expert visits, focus on MOUs with institutions of national, international importance
5	Students support systems	85	51	60.00	Improvement in mentoring system with improved counselling reports, improved Grievance redressal system for the students, updated library with journals and magazines	More courses to be offered to students under open elective,
6	Continuous improvement	40	32	80.00	Improvement in student intake, pass percentage	Focus on improvement in PO and PSO attainment, faculty publications
7	Best Practices	25	21	84.00	Improvement observed on the impact from best practices	Focus on more clear and detailed description of best practices
Total		1000	668.43	66.84		
NBA			635			

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Mechanical Engineering (Mech.)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	262.5	87.50	<ul style="list-style-type: none"> • CO/PO justification is included in all course files • Rubrics implemented effectively in the labs and documented. • Feedbacks from all stake holders taken and duly consider in curriculum finalization and other areas. • Projects are being evaluated through Rubrics. Continuous monitoring mechanism is put in practice. • e-Yantra lab established in collaboration with IIT-Bombay • The faculty are aware of fixing attainment levels of COs/POs/PSOs • The faculty have completed NPTEL course on OBE. 	<ul style="list-style-type: none"> • Impact analysis of CRC meeting to be updated. • Number of value added courses and student participations can be improved. • Files to be updated. • Action on Non attainment of COs and POs is to be updated in the files.
2	Student's Performance	200	112	56.00	<ul style="list-style-type: none"> • A slight improvement is observed with reference to placements and higher studies • Student participations in circular and related activates has shown marginal improvement 	<ul style="list-style-type: none"> • The successes rate of students has declined as compared to previous academic year a special emphasis is required. • The area of placements and higher studies requires special focus for improvement.
3	Faculty contributions	250	146.12	58.45	<ul style="list-style-type: none"> • The number of PhDs recruited has increased prominently. • The research guidance has also shown appreciable improved with 20 research scholars been admitted in the current academic year. • The number of publications has shown slight improvement. • The number of regular faculty with PhDs has improved. • The participations of faculty in Refresher courses/ Short Term Training courses and other such programs increased appreciably. 	<ul style="list-style-type: none"> • The faculty have to concentrate on obtaining patents for the innovative works. • The department has also to generate revenue through consultancy works.


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4	Co-curricular activities	100	94	94.00	• Alumni association meeting have been held periodically and the feedback is also collected.	---
5	Students support systems	85	76	89.41	• Mentoring system is well implemented and impact analysis is recorded.	---
6	Continuous improvement	40	14	35.00	---	<ul style="list-style-type: none"> • The faculty have to understand the methodology adopted for evaluating the attainment of CO/PO/PSO • The pass percentage from the previous academic year hasn't shown any improvement, measures have to initiate in this area. • The quality of students with based on the rank hasn't improved this grey area should also be addressed.
7	Best Practices	25	22	88.00	• The department is adopting best practices in all areas to improve its profile.	<ul style="list-style-type: none"> • The area that required immediate attention is with regards to point number 6 i.e. "continuous improvement ", the department has to adopt such best practices which will improve pass percentage and also the quality of students intake.
	Total	1000	726.62	72.66		
	NBA		640			

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Computer Science & Engineering (CSE)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	254.75	84.92	1. Prepared the summary report for the academic calendar 2. Feedbacks were collected on curriculum from alumni and student in order to identify the curriculum gaps. 3. 80% of faculties completed certification course in OBE and started implementing in teaching learning process	1-course delivery in collaboration with Industry(infosys)
2	Student's Performance	200	120.68	60.34	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	141.78	56.71	1. Increase in patents/copyrights 2. 80% of faculties got PhD Admission in universities and Private Universities	1.20% of faculty award with PhD degree 2. submission of research proposals to various funding agencies
4	Co-curricular activities	100	80	80.00	1. activities related to industry and research have improved 2. conducted Alumni meeting 3. MoU's with industries have increased.	1. Planning to conduct Mock Interviews to the students 2. improving the number of industry collaborative activities
5	Students support systems	85	67	78.82	Initiated an entrepreneurship related activities.	conduct more number Number of events under the entrepreneurship cell
6	Continuous improvement	40	18	45.00	1. Faculty publications count has increased in SCI/Scopus/WoS/UGC indexed journals and conferences	Motivate the students to get mor number of placements in reputed organization with higher packages or higher
7	Best Practices	25	25	100.00	1. Maintaining Adequate teaching and non-teaching human resources 2. Encourage students to utilize Department library facility. 3. Providing contemporary developments in computer science through professional student chapter bodies.	1. Post more programming practice tests on Hackerrank platform. 2. Conduct more training programs on emerging technologies.
	Total	1000	707.21	70.72		
	NBA		646			


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Information Technology (IT)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	258	86.00	Usage of ICT, Student centric methods, Structured feedback on desisgn of syllabus, Question paper validation	Action taken on the students feedback, value added courses, industry involvement in partial delivery of
2	Student's Performance	200	133	66.50	Success rate in any year of study, Student enrollment	Achievements in curricular, co-curricular and extra curricular activities
3	Faculty contributions	250	85	34.00	Faculty qualifications, faculty participation in faculty development activities	Faculty Publications and Research Projects
4	Co-curricular activities	100	68	68.00	Capacity development and skills enhancement activities organized, Expert faculty visits	Number of functional MOU, Adject faculty
5	Students support systems	85	63	74.12	Mentoring system. Career guidance, placement training	Entrepreneurship activities
6	Continuous improvement	40	29	72.50	Pass Percentage, Student placement	PO and PSO attainment for 2016 - 2020 batch
7	Best Practices	25	20	80.00	Rubrics for labs and projects, student clubs, company specific training	Impact analysis of best practices
Total		1000	656	65.60		
NBA			635			

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Civil Engineering (Civil)

S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	276	92.00	Usage of MOODLE, Quality of laboratory experience, Question paper validation, Continuous monitoring mechanism and evaluation system, Updating the data of CO / PO/PSO assessment, Initiatives for faculty and student awareness on OBE	Rubrics for all practical courses, Industry institute interaction
2	Student's Performance	200	107	53.50	Student enrolment	Students success rate, Students enrolment, Placements & higher studies, Students achievements in co-curricular and extra-curricular activities
3	Faculty contributions	250	112.14	44.86	Publication in journals	R&D funded projects, Quality publications by Faculty
4	Co-curricular activities	100	84	84.00	Number of extension and outreach Programs conducted	Alumni interaction
5	Students support systems	85	63	74.12	-	Students success in competitive exams, Entrepreneurship promotion
6	Continuous improvement	40	10	25.00	-	Students success rate, Students enrolment, Placements & higher studies
7	Best Practices	25	20	80.00	-	Innovative/Best practices
	Total	1000	672.14			

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Chemical Engineering (Ch.E)						
S No	Criteria	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching – Learning Processes:	300	255	85.00	MOODLE usage, Rubrics usage for Labs, Seminar and Projects, Experimental student projects	Activities for bright students, quality of assignments
2	Student's Performance	200	114.12	57.06	Pass percentage, Placements, Certificate courses	Student enrollment, higher studies
3	Faculty contributions	250	81.7	32.68	Faculty participation in seminars/workshops	Research publications, projects and consultancy
4	Co-curricular activities	100	75	75.00	Functional MoUs, student participation in extension activities	Alumni contributions
5	Students support systems	85	49	57.65	Mentoring system, self learning	Entrepreneurship activities, department library
6	Continuous improvement	40	20	50.00	Pass percentage, Placements	Student enrollment, Faculty publications
7	Best Practices	25	16	64.00	MOODLE, Rubrics, Student club	Alumni contributions, Student
	Total	1000	610.82	61.08		


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S & H Department						
Mathematics						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	225	192	85.33	1. Implementation of ICT tools. 2. Good record of Weak and bright studnets.	Innovative teaching techniques and methodlogies.
2	Faculty contributions	250	113	45.20	1. Faculty improved Publications Faculty Participated in FDP's and Seminars 3. Faculty got awareness on OBE 4. Faculty got membership in professional bodies	2. 1. More Faculty Publications 2. Completion of Faculty Ph.D's 3. Research Projects
3	Student Support Systems.	75	63	84.00	1. Faculty improved Publications Faculty Participated in FDP's and Seminars 3. Faculty got awareness on OBE 4. Faculty got membership in professional bodies	2. Providing More Materials to the students for GATE
4	Best Practices	25	20	80.00	Providing e-learning through MOODLE	
TOTAL		575	388	67.48		

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Chemistry						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	222	88.80	Improvements in Doctorates Implimented effective teaching process with active learning statagies such as with identified learing objectives and outcomes, planed designed activity with continous evaluation and assessment .	Target of 100% Doctrates in the department More focus to impliment effective teaching learning procees by revising the statagies
2	Faculty contributions	250	109.3	43.72	Efficient and effective contribution at the academic as well as administrative rolls at the Department and the Institute levels	Faculty strives to enhance the name of the Institute at National or International level in providing effective and efficient contribution at the Institute level
3	Student Support Systems.	75	75	100.00	Well established laboroteries, facilities to carry out interdisiplinary project, Departmental library facilities, availability of course material in MOODLES, GOOGLE class rooms etc.,	Improve the department library facilities and improve their proffisional skills by assigning advanced topics in the course in the class seminars/activities
4	Best Practices	25	21	84.00	Awairness of OBE and evaluation process at the begining of semester Well defined rubrics for improvement in effective assessment in labs Provided services to Analyse water quality in the campus and extended to the others whoever required. With the SWOT analysis the courses are Redesigned as per the state of art requirements to the present curculum	Focus on reseach activities, provide consultancy in water quality assessment to the public or private sectors
TOTAL		600	427.3	71.22		


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Physics						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	217	86.80	Online teaching , video , ppt presentations	Virtual Lab, New Lab experiments
2	Faculty contributions	250	114.27	45.71	Faculty Qualifications improved	R&D Projects, Publications, Consultancy.
3	Student Support Systems.	75	58	77.33	Proctoral system improved	counselling to studentns regarding social awareness
4	Best Practices	25	17	68.00	Rubrics, moodles, team wise practical lab exposure	virtual labs, Department library
	Total	600	406.27	67.71		


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English						
S No	Parameter	Max Marks	Marks Obtained	Percentage	Improvements Shown	To Focus
1	Teaching - Learning Processes	250	210	84.00	All exams and activities are assessed and recorded following the rubrics as per the schedule. It is consistent and up to the mark	To improve vocabulary and speaking skills regular oral presentations can be practiced and evaluated
2	Faculty contributions	250	92	36.80	Faculty are contributing to the overall development of the Department. They are active in research publications, participations and presentations. They are helping in updating the course materials.	Faculty can improve publications in high indexed journals.
3	Student Support Systems.	75	67	89.33	The HOD is the First year coordinator of MECH students. They are guided and monitored by the coordinator and the class teachers. The college has a proctorial system and it is followed properly. Students are counseled by the proctor and according to their observations they are monitored. They are also counseled for absenteeism and also personal problems. They are also monitored through mails and WhatsApp messages which is very useful to them.	Personal psychological problems can be dealt to divert from distractions.
4	Best Practices	25	20	80.00	Use of rubrics as micro level evaluation. Giving feedback to students to improve. Including Blooms taxonomy for framing questions and also including. The students are motivated for competitive exams beyond syllabus. They are encouraged to practice online courses and (TOEFL, GRE, IELTS) in the Language Lab. Students have joined Oxford certification online Course	More online courses for students can be included to reflect on their employability skills.
	Total	600	389	64.83		


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