

Anil Neerukonda Institute of Technology & Sciences (A)

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Department of Chemical Engineering

Academic and Administrative Audit (to be filled up by Academic Experts)
Academic year 2021-22

1. Name of the Auditor: Prof. V. Sridevi

Designation: Professor, Department of Chemical Engineering

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2. The days and dates of visit: 12th November, 2022

Summary

Grading System:

S. No.	Parameters of Evaluation	Marks scored
1.	Curricula	107
2.	Academic Facilities	89
3.	Teaching Learning proves	103
4.	Evaluation System	132
5.	Result	74.37
6.	General Academic Activities	61
7.	Feedback and Corrective Action	82
8.	Faculty Performance / Upgradation	47
9.	Attainment of CO's and PO's of all courses	90
10.	Total	785.31

Grade	Details	Total Marks scored
A+	Excellent	800 and above
A	Good	700-799
В	Acceptable	600-699
С	Not-acceptable	Below 600

Placement are good Admissing are being micround Improve Reseats Achvily

3. Suggestions based on information

No of Publication are to be increased.

1. Curricula

S. No.	Sub-Parameter	Marks Assigned	Marks scored
1.	Curricula content to provide understanding concepts of (with sufficient practical exposure)		
	Mathematics and basic sciences	5	5
	Basic Engineering subjects	5	5
	Management and Humanities	6	5
	Programme Core	30	30
	Elective Subjects	6	4
	Interdisciplinary elective subjects	4	2
	Open Elective/Emerging subjects in curricula	4	4
	NPTEL courses/MOOCs	4	4
	Communication and computer skills	5	5
	Proficiency in analysis, synthesis, modeling & simulation and problem-solving skills	5	4
	Innovative and creative abilities	5	3
	Human skills and relations, professional ethics, environment	4	/1
	Entrepreneurial skills	4	3
	Hands on training and other industrial needs	4	3
	Self learning practices	4	3
2.	Do the curricula take care of slow and fast learners learning simultaneously?	10	8
3.	Revision / Upgradation of the curriculum to incorporate appropriate new knowledge systems (based on no. of BoS/APMC meeting)	15	15
	Total	120	107
	nal Comments / feedback / observations/ advice which may or ma	\$0.000000	10)
based o	Revision and upgreacher in done hase APSCHE & AILTE. HSS & Grev prevership courses are in y an elective	ed on	

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2. Academic Facilities

, No.	Sub-Parameter	Marks Assigned	Marks scored
	No of class rooms with LCDs	5	5
1.	No of laboratories and display of Cos and POs	5	5
2.	No of tutorial rooms	5	5
3.		5	5
4.	Faculty rooms / cabins	5	4
5.	Equipments available (curricula and cost wise)	10	9
6.	Computing facilities (including software)	10	8
7.	Research/Project laboratory	5	5
8.	Electric power available for 24 x 7 and power backups	5	4
9.	Audio visual facilities	5	5
10.	Class rooms furniture (quantity and quality)	10	9
11.	Laboratories furniture (quantity and quality) No of books e-library, online journals and printed journals related to programme in the central library	10	8
12	I'' I''C last last in a recourses	10	8
13.	1 T. C. 114	5	5
15	facilities during last year	5	4
13	Total	100	89
	additional comments / feedback / observations / advice which or may not be based on above points: Lebotatory infrastructure are of per unicular, but can be further increased arrival for the further increased between are open tourse. Department Library may be Areightened,		

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3. Teaching - Learning Process

Sr. No.	Sub-Parameter	Marks Assigned	Marks scored
1.	Theory Courses		
	Course File (Syllabus sheet, Course material, content betond syllabus, MID question papers, Answer sheets, Assignments,		Ø 8
	External QP, Quizes and Activites) % of subjects for which teaching plan (including books to be referred) is prepared and execution plan submitted at the end of semester	10	9
	(including quality of execution)	10	9
	Quality of teaching plan and notes prepared by faculty Quality of Assignments	10	8
	Case studies/ Mini Projects given as activity for core courses	10	9
	Novel techniques used for effective teaching learning process (including use of A/V aids, development of software/ teaching aids, use or available software, use of available learning resources etc.)	10	9
2.	Practical	10	
	Quality of experiments conducted (Do the experiments designed facilitate the students in generating creative thoughts?)		9
	Availability of laboratory manual and its quality	10	9
	Maintenance of laboratory equipments and new addition	10	8
	New experiments designed by UG/PG Students	10	0
3.	Corrective action taken by department against the students who are absent to the classes regularly	10	8
4.	Staff development programs for Faculty and / or supporting staff including FDP / STTP etc.	10	9
5.	Actions taken by department to improve performance of academically weaker students	10	8
6.	Efforts taken by department to improve overall performance of students including Workshop / Short term course/Hackathons/ Tech fest outside institute etc.	10	8
	Total	130	103
on abov	e points: emedial classy are conducted regularly overall TLP is good	not be based	
	Novel technique are used.		

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4. Examination and Evaluation System

r. No.	Sub-Parameter	Marks Assigned	Marks scored
1	Examination Process		
	Strict execution of academic calendar for all examinations	5	5
		5	
	Literatura icvaluation redress.		5
	Transparency in the processes like internal assessment;	5	
	or acting and decidiation of result		5
	Appropriate weightage for continuous evaluation and end semester examination.	5	5
	Staff appointed for examination (invigilator, squad, office staff etc).	5	5
	Process of appointment of paper setters/ examiners / evaluators / moderators etc.	5	5
	Process of question paper printing and distribution (including quality and format of question paper)	5	5
2	Quality of internal question papers		
	Appropriate coverage of syllabus in class test and labelling of COs on the question paper	5	5
		5	/
	Difficulty level of the question papers including numerical	5	7
	Innovation in question paper (Volume of repeated questions, correlation of question with competitive		3
	examinations)		
3	Quality of external question papers	5	5
	Coverage of all COs	5	
	Difficulty level of the question papers (simple to pass and difficult to serve i.e. take care of average as well as sharp		4
	bo the questions, test and develop the problem –solving skills and students' proficiency in analysis and design?	5	3
	Whether the marks assigned to the questions appropriate? Are the model answers submitted by paper setters to Examination Cell	5	5
	Language / Clarity / Variety etc in questions (Majority of the questions should not be just like write short note/	5	5
4	explain / discuss etc. Does the moderation of each question papers completed before paper printing?	5	4
6	Assessment of Project work / Industrial training/		
	Internship term work Continuous assessment of project works/seminars through	5	5
	Assessment Process of theory external papers		
7	Presence of Process for evaluating external papers	5	5
		5	5
	Evaluation quality (% of students applying for revaluation	5	
	and of change in mark cases)		5
	Average experience of evaluators	5	_5
1		5	5
	Revaluation and recounting of answer sheets within	5	5
	mentioned period		

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	Does the Complaint Redressal Committee exist to tackle the cases of lapses associated with examinations?	5	5
	available the students, if request to a	5	5
	Involvement of external faculty member in the examination work as		
	Paper setter	5	5
	Evaluator	5	5
	Examiner for practical / oral examination	5	1.5
	Total	140	132
dditio oints:	Double valuation in being conducted Invoving in Question Offer Con	(3) J	heary examind
/5-70			4 1

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5. Results

S. No.	Sub-Parameter	Marks Assigned	Marks scored
1	Performance of students in examinations (Without backlogs)	60	
	% of students passing IV year *0.15		6.7
	% of students passing III year *0.15		9.4
	% of students passing II year *0.15		9.2
	% of students passing I year *0.15		7.8
2	Overall Performance of students (With backlogs)	40	
	% of students passing IV year *0.1		11.2
	% of students passing III year *0.1		10.0
	% of students passing II year *0.1		12.1
	% of students passing I year *0.1		7.8
	Total	100	74.3
	nal comments / feedback/ observations / advice which may or n n above points:	ay not be	

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6. General Academic Activities

Sub-Parameter	Marks Assigned	Marks
Whether all activities performed as now to incolor at 2	10	9
Whether academic processes are student development centric?	10	10
% of students actually enroll for co-curriculum activities in or out of the Institute >70% 10 marks	10	0
<30% 00 marks.		
Whether co-curriculum activities of institute /department are evenly disturbed throughout the year?	5	4
Are emergency issues resolved by conducting Academic Council / Examination Committee meetings which are ratified in subsequent meetings?	5	0
How much is overall placement of students (in % based on eligible students) and annual pay package?	10	10
How is the performance of students in Extension of services through NSS / NCC /Unnath Bharath Abhiyan?	10	8
Industrial visits organized by department	10	0
Technical events organized by the department for faculty and students including STTP / Expert lectures / Model or project competition / GD/ etc.	10	8
Entrepreneurship/ Techno idea activities contest in the department	10	10
	10	2
Total	100	6)
nal comments / feedback/ observations / advice which may or may e points: Ne preveneurly advity hore heig of	not be based	,
	Whether all activities performed as per academic calendar? Whether academic processes are student development centric? % of students actually enroll for co-curriculum activities in or out of the Institute >70% 10 marks 30% to 70% linearly distributed 00 marks. Whether co-curriculum activities of institute /department are evenly disturbed throughout the year? Are emergency issues resolved by conducting Academic Council / Examination Committee meetings which are ratified in subsequent meetings? How much is overall placement of students (in % based on eligible students) and annual pay package? How is the performance of students in Extension of services through NSS / NCC /Unnath Bharath Abhiyan? Industrial visits organized by department Technical events organized by the department for faculty and students including STTP / Expert lectures / Model or project competition / GD/ etc. Entrepreneurship/ Techno idea activities contest in the department Performance in competitive examinations like GATE/ CAT/GRE etc Total	Whether all activities performed as per academic calendar? Whether academic processes are student development centric? % of students actually enroll for co-curriculum activities in or out of the Institute >70% 10 marks 30% to 70% 10 marks Whether co-curriculum activities of institute /department are evenly disturbed throughout the year? Are emergency issues resolved by conducting Academic Council / Examination Committee meetings which are ratified in subsequent meetings? How much is overall placement of students (in % based on eligible students) and annual pay package? How is the performance of students in Extension of services through NSS / NCC /Unnath Bharath Abhiyan? Industrial visits organized by department Technical events organized by the department for faculty and students including STTP / Expert lectures / Model or project competition / GD/ etc. Entrepreneurship/ Techno idea activities contest in the department Performance in competitive examinations like GATE/ CAT/GRE 10 etc Total 100 mal comments / feedback/ observations / advice which may or may not be based

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7. Student's Feedback and Corrective Action

Sr. No.	Sub-Parameter	Marks Assigned	Marks scored
1	Feed back during the semester		
	Frequency of obtaining student's facility (Meetings of CRCs etc)	20	20
	Corrective action taken at the departmental level	20	15
2	Suggestion box		, ,
	Availability of suggestion box	5	5
	How frequently suggestion box is opened ?(Maximum marks for	5	2
	opening twice in a month)		
	Corrective action taken for suggestions at the departmental level	10	10
3	Exit feed back		
	Attainment of POs for the academic year	10	LO
	Corrective Action of attainment of POs	10	10
4	Survey on outcome of the course / individual class using web tools	20	D
	% of total courses for which survey is done * 20		
81	, to don't		
	Total	100	82
	Additional comments / feedback/ observations / advice which		and the
	may or may not be based on above points:		
	Scedback is collected and Analysed)	

8. Faculty Performance

Sr. No.	Sub-Parameter	Marks Assigned	Marks scored
1	Feedback from students (Department index on 15 points) Performance appraisal	20	10
2		20	0
3	% of faculty received "outstanding" remark *0.2		10
	% of faculty received "positively good" remark *0.1		
3	Qualification enhancement of faculty	5	5
4	Overall performance of department faculty members, based	15	
	seminar.		2_
5	MODROB/ TAPEC/ RPS and other sponsored projects received by the department	5	0
6	Participation of faculty as resource person outside the Institution	10	2
7	Performance of faculty, based on books publication, patent filed and awards.	10	0
8	Performance of faculty, based on consultancy and internal revenue generation (IRG)	10	6
10	Innovative ideas implemented by the faculty for overall development of students both in co-curricular (quality circle, hobby club etc) and extra curricular	10	10
11	Whether guided PG/ Research scholars	5	0
	Total	110	47
	nal comments / feedback/ observations / advice which may or m n above points:		76m/5
P	los in number.	Very	
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9. COs and POs of the Programme

Sr. No.	Sub-Parameter	Marks Assigned	Marks scored
1	Framing of COs to all the courses including theory, laboratory, project, Seminar, Industrial Training	15	12
2	table for all courses	15	15
3	Calculation of CO-PO attainment for all courses in the programme	20	20
4	Calculation of POs by indirect attainment (with reasonable sample size)	20	20
5	Reasons for non-attainment of COs and POs if any	15	15
6	Corrective measures for non-attainment of COs and POs	15	
	Total	100	90
asea o	nal comments / feedback/ observations / advice which may or ma above points:		
ased o	nabove points: Significant mealowy are missing.		

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