Government College of Engineering, Nagpur

Departmentof Electrical Engineering

Academic Audit
U.G.Programmes
Academic Year: 2022-2023

Date and Day of Visit: 05.10.2023

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	Dr. S. W. Rajurkar	Dr Kshitija Kadam
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(Dr. S. W. Rajurkar)

(Dr Kshitija kadam)

Signature of auditor/s

Summary

Sr. No.	Parameters of Evaluation	Page No.	Max. Marks	Marks Scored
1	Academic Facilities	3	150	104
2	Teaching Learning Process	4	240	201
3	Examination System	6	110	90
4	Result	7	100	64
5	General Academic Activities	8	100	76
6	Feedback and Corrective Action	9	100	82
7	Faculty Performance/Up-gradation	10	100	76
		Total	900	693

Grading System:
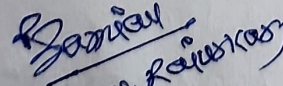
Grade	Details	Total Marks scored
A+ ✓	Excellent	675 and above
A	Good	541-674
B	Acceptable	450-540
C	Not-acceptable	Below 450
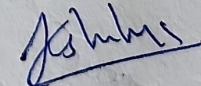
1. Strengths
* Faculty participation in FDP, patent & publication is very Good.
* cocurricular activities is Excellent.

2. Weaknesses-
- Lab Infrastructure needs to be improved, Additional advanced equipments are required in lab.
- Additional Efforts are required to improve CGPA

3. Suggestions based on information

1. feedback mechanism needs to be improved & Analysis of feedback & action taken required on regular basis.
2. Placement & CGPA needs to be improved.

Auditor 1	Auditor 2
Name and Signature of Auditor/s	
(Dr. S.W. Rajbhoj)	(Dr. Kshitija kadam)

Signature of auditor/s

1. Academic Facilities

Sr. No.	Sub-parameter	Quantity/ Facility(Y/N)	Marks Assigned	Marks Secured
1	No of class rooms	02	10	07
2	No of laboratories	07	10	07
3	No of tutorial rooms	01	5	03
4	Faculty rooms/cabins	HOD-01 } 03 ER-02	5	04
5	Equipment available (curricula and cost wise)	Moderate Additional Advanced Equip. required	35	25
6	Computing facilities (including software)	moderate	10	06
7	Research facilities	NA (insufficient)	10	04
8	Audio visual facilities	Sufficient 02 SmartBoard+01STV	10	08
9	Class rooms furniture	70 (Sufficient)	5	04
10	Laboratories furniture	Sufficient	10	08
11	No of books, e-library, online journals and printed journals related to program in the central library	Recent journals NA. (Insufficient)	15	09
12	Departmental library	Available	5	04
13	Internet and wi-fi facility	Yes	10	08
14	Improvement made in infrastructural facilities during last year	NO (Partial)	10	07
		Total=	150	104

Any additional comments/feedback/observations/advice which may or may not be based on above points:

- Additial equipments like Advanced Kits needed in laboratories.
- Recent journals are required in central as well as dept. library.
- Additional advance softwares are needed
- Required Additional classroom

(DR.S.W. Rajurkar)

(Dr Kshitija Kadam)

Signature of auditor/s

2. Teaching – Learning Process

Sr. No	Description	Quantity/ Facility (Y/N) / Remarks	Max. Marks	Marks Secured
1	**Theory lectures**		60	52
	Average % of lectures conducted compared with target: more than 90% - 60 marks and less than 40% - 00 marks; in between 40% -90% marks are linearly graded.	APDX. 85%		
	Course File % of subjects for which teaching plan is prepared and execution	Partial APPx-80%.	20	17
	Quality of teaching plan and notes prepared by faculty	Yes	10	08
	Preparation of question bank and allied activities	Yes	10	07
	Novel techniques used for effective teaching learning process (including use of A/V aids, development of software/ teaching aids, use of available software, use of available learning resources etc.)	Yes (Partial)	10	08
2	**Practical**			
	Average % of practical conducted compared with that minimum required as per curriculum: less than 100% - 5 marks; 100% - 10, >100%marks; 15	Yes 100%	15	15
	Quality of experiments conducted	Good	10	08
	Availability of laboratory manual and its quality	Good	10	08
	Maintenance of laboratory equipment and new addition	Good, but secu few maintenance & required	15	12
	Sponsored projects of UG students	Approved 01 project	5	03
3	**Theory attendance of students** Average % of lectures attended by students more than 90% - 25 marks and less than 60% - 00 marks; in between 60% -90% marks are linearly graded.	APPx-85%	25	21
4	**Practical attendance of students** Average % of practical attended by students 100% - 10 marks and less than 75% - 00 marks; in between 75% -100% marks are linearly graded.	100%	10	10

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5	Corrective action taken by department against the defaulter students	Yes	5	04
6	Home assignments and its assessment.	Yes	5	04
7	Efforts taken by department to improve performance of academically weaker students	Yes, Additional Efforts taken	10	07
8	Efforts taken by department to improve overall performance of students by Courses conducted/Expert lectures etc	Yes	10	08
9	Staff development programs for Faculty and/or supporting staff including CEP/STTP etc	Good Participation	10	09
	Total=		240	201

Any additional comments/feedback/observations/advice which may or may not be based on above points:

- Additional Efforts are required to improve performance of academically weaker students.
- Good participation in FDP
- Improved Laboratory is required, relevant equipment needed.

(Dr. B. Rajeskar)

Signature of auditor/s

(Dr. Kshitija Kadam)

3. Examination System

Sr No	Description	Quantity/ Facility(Y/N) / Remarks	Max. Marks	Marks Secured
1	**Examination Process**			
	Execution of academic calendar for all examinations	Yes	10	10
	Transparency in the processes like internal assessment; & declaration of result	Yes	10	09
	Staff appointed for examination	Yes	10	09
2	**Quality of CT question papers**			
	Appropriate coverage of syllabus in class test	Good	10	09
	Difficulty level of the question papers including numerical(at par with University Exam)	moderate	10	08
	Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations)	moderate	10	07
3	**Arranging quiz, surprise test, assignments etc.**	Yes	10	07
4	**Practical/termwork**			
	Assessment of practical (journal).	Good	10	08
	Assessment method to judge depth of understanding	Good	10	08
	Appropriate weight-age to various components of term work assessment	moderate	10	07
	Continuous evaluation of project/seminar and its record (maintenance of logbook)	Good	10	08
		Total =	110	90

Additional comments/feedback/observations/advice which may or may not be based on above points:
- Proper Taxonomy to be used while designing Q.P.
- Rubrics to be designed for Assessment of practical task.

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4. Result

Sr No	Description	Quantity/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
1	**Performance of students in Class Test-I**		10	
	Average % of students passing in CT-I *0.1	APPX. 70%		07
2	**Performance of students in Class Test-II**		10	
	Average % of students passing in CT-II *0.1	APPX. 75%		08
3	**Performance of students in University Exam**		30	
	Average % of students passing in UE *0.3	APPX. 85%		26
4	**Overall Performance of students**		50	
	% of students securing CGPA > 9*0.5	% learning 225		—
	% of students securing CGPA in between 8.25 and 9.0 *0.4	2·49%		1·0
	% of students securing CGPA in between 6.75 and 8.25 *0.3	43.0%		13·0
	% of students securing CGPA in between 5.75 and 6.75 *0.2	36·4%		·8·0
	% of students securing CGPA < 5.75 *0.1	0·90%		1·0
5	**Number of copy cases reported and punished * (- 2)**	—		
	Total=		100	64

Additional comments/feedback/observations/advice which may or may not be based on above points:

— Additional efforts are required to improve CGPA

5. General Academic Activities

Sr. No.	Sub parameter	Quantity/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
1	Whether all activities performed as per academic calendar?	Yes	5	4
2	Whether academic processes are student developments centric?	Yes	5	4
3	Students enrollment for co-curriculum activities in or out the institute	Good	10	09
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?	Yes	5	04
5	Participation of students in Sport?	Good	10	08
6	Participation of students in cultural activities?	Good	10	08
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.	Good	5	03
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	60%	10	06
9	How is the performance of students in Extension of services through NSS/NCC?	Good	5	04
10	Industrial visits organized by department.	01	10	05
11	Technical events organized by the department for faculty and students including CEP/STTP/Expert lectures/Model or project competition/GD/PI etc	Yes (Project competition)	20	18
12	Performance in competitive examinations like GATE/CAT etc	25 Apprared qualified-04 year +ve score	5	03
	Total =		100	76

Any additional comments/feedback/observations/advice which may or may not be based on above points:

- Ku. Reshal Bhati selected for International world championship in Newzeland.
- INVENTRIX 5.0 is Excellent initiative by department, Good efforts taken by faculties.
- Additional Efforts are required for GATE/ competitive examination.

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6.Student's Feedback and Corrective Action

Sr. No.	Sub parameter	Quantity/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
1	**Feedback during the semester**			
	Frequency of obtaining student's feedback (Meetings of CRs etc)	Yes	10	07
	Corrective action taken at the departmental level	Yes	10	08
2	**Grievance/Suggestion mechanism**			
	Through Online /email	Y	10	08
	Corrective action taken for suggestions at the departmental level	Y	10	08
3	**Feedback at the end of semester (Over all impression reported by students)**		40	
	% of Excellent responses *0.4	23%		10
	% of Very Good responses *0.35	42.6%		15
	% of Good responses *0.25	29.6%		08
	% of Poor responses *0.15	—		
	% very poor responses *0.05	—		
4	**Corrective action taken by department for point 3**	Yes	20	18
	Total=		100	82

Any additional comments/feedback/observations/advice which may or may not be based on above points:

＊ Overall satisfactory

7. Faculty Performance

Sr. No.	Description	Quantity/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
1	Performance appraisal		30	
	% of faculty received "A+" remark* 0.3	01 (20%)		06
	% of faculty received "A" remark* 0.2	05 (80%)		16
	% of faculty received "B" remark* 0.1	—		
2	Qualification enhancement of faculty through qualification / online courses	Good	5	04
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	Very Good	15	13
4	MODROB/UBA/ RPS and other sponsored projects received by the department	COE Approved	5	03
5	Participation of faculty outside the Institution	Good	10	08
6	Performance of faculty, based on books publication, patent filed and awards	moderate	5	03
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)	Good	5	04
8	% of faculty members participated in various faculty development programme	very Good	10	09
9	Innovative ideas implemented by the department for overall academic development of students	Yes - appx. 2-3 facilities used	10	07
10	Whether guided Research scholars?	Yes (02)	5	03
	Total=		100	76

Any additional comments/feedback/observations/advice which may or may not be based on above points:

Satisfactory.

Note: If any activity is not associated / eligible, then allotted marks may be deducted from marks of that section.

(D S W. Rajurkar)

Signature of auditor/s

(Dr Kshitija Kadam)