



Government College of Engineering, Nagpur



("To be an Institution of National Repute Creating Globally Competent Technocrats to Serve the Society")
Sector 27, Mihan Rehabilitation Colony, New Khapri (Rly), Nagpur- 441108 (Maharashtra State)
"To be an Institution of National Repute Creating Globally Competent Technocrats to Serve the Society"
Phone No.: (07103) 295226 (P), 295220(O) Website: www.gcoen.ac.in
e-mail: principal.gcoenagpur@dtmaharashtra.gov.in office.gcoenagpur@dtmaharashtra.gov.in

Department of Electrical Engineering

Academic Audit

U.G. Programmes

Academic Year: 2021 - 2022

Date and Day of Visit: 06 Sept 22

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	Dr. Latesh Malik	Dr. S. A. Tekade
2	Designation	Associate Prof	Asst. Prof.
3	Institute name	Govt College of Engrg Nagpur	GCOE Nagpur
4	Contact no	992 3343121	9975722854
5	email	latesh.bhagat@gov.in	shikats105tekade@gmail.com

Latesh

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Signature of auditor/s

Summary

Sr. No.	Parameters of Evaluation	Page No.	Max. Marks	Marks Scored
1	Academic Facilities	3	150	103
2	Teaching Learning Process	4	240	190
3	Examination System	6	110	84
4	Result	7	100	84
5	General Academic Activities	8	100	77
6	Feedback and Corrective Action	9	100	80
7	Faculty Performance/Up-gradation	10	100	61
Total			900	679

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

(A+)

1. Strengths
 - 1) Enrollment ratio is good
 - 2) Results are good and producing university toppers as well
 - 3) Placement % is good
 - 4) Teaching learning process and participation of students in co-curricular activities is good.
2. Weaknesses-
 - 1) Lab infrastructure need to be improved
 - 2) Quality of research papers need to be improved.
 - 3) Encouragement of faculties for NPTEL courses is needed.
 - 4) Faculties as resource person to be improved
3. Suggestions based on information
 - 1) Encourage students for NPTEL courses
 - 2) Arrange IT related workshops to improve quality of placements

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Auditor 1

Name and Signature of Auditor/s

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Auditor 2

Dr. S. A. Tend

Signature of auditor/s

1. Academic Facilities

Sr. No.	Sub-parameter	Quantity/ Facility(Y/N)	Marks Assigned	Marks Secured
1	No of class rooms		10	07
2	No of laboratories	02	10	08
3	No of tutorial rooms	08	10	08
4	Faculty rooms/cabins	01	5	04
5	Equipments available (curricula and cost wise)	06 * Improvement required	5 30	04 20
6	Computing facilities (including software)	"	10	06
7	Research facilities	"	10	04
8	Electric power available for 24x7	partially	5	03
9	Audio visual facilities	02 smart class rooms	10	08
10	Class rooms furniture (quantity and quality)	Adequate	5	4
11	Laboratories furniture (quantity and quality)	Adequate	10	07
12	No of books, e-library, online journals and printed journals related to programme in the central library	Not sufficient	15	08
13	Departmental library	Yes	5	04
14	Internet and wi-fi facility	Yes	10	08
15	Improvement made in infrastructural facilities during last year	Yes	10	08
		Total =	150	103
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points: * High Voltage lab need to be set-up * Application s/w like MATLAB, ETAP to be purchased - No of titles, journals in library are not sufficient-</p>				

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2. Teaching – Learning Process

Sr. No	Description	Quantity/ Facility (Y/N) / Remarks	Max. Marks	Marks Secured
1	Theory lectures			
	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.	85%	60	51
	Course File			
	% of subjects for which teaching plan is prepared and execution	yes	20	18
	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	10	07
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	15	10
	Quality of experiments conducted	Good	10	08
	Availability of laboratory manual and its quality	yes	10	08
	Maintenance of laboratory equipments and new addition	Addition of equip in lab needed	15	11
Sponsored projects of UG students	yes (01)	5	03	
3	Theory attendance of students		25	
	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.	85%		21
4	Practical attendance of students		10	

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	Average % of practical attended by students 100% - 10 marks and less than 75% - 00 marks; in between 75% -100% marks are linearly graded.	90%	10	09
5	Corrective action taken by department against the defaulter students	partially	5	03
6	Home assignments and its assessment.	yes	5	03
7	Efforts taken by department to improve performance of academically weaker students	partially	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	yes	10	08
Total=			240	190

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

- * Quality of home assignment need improvement
- * ~~at~~ Sufficient expert lectures are conducted
- * FDPs are conducted
- * procedure to identify weak students and their development need to be strengthen
- * Addition of new experiment and content beyond syllabus to be increased.

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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	Y	10	10
	Transparency in the processes like internal assessment; & declaration of result	Y	10	08
	Staff appointed for examination	Y	10	08
2	Quality of CT question papers			
	Appropriate coverage of syllabus in class test		10	08
	Difficulty level of the question papers including numerical (at par with University Exam)		10	07
	Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations)		10	07
3	Arranging quiz, surprise test, assignments etc.		10	07
4	Practical / term work			
	Assessment of practical (journal).		10	07
	Assessment method to judge depth of understanding		10	07
	Appropriate weight-age to various components of term work assessment		10	07
	Continuous evaluation of project/seminar and its record (maintenance of logbook)		10	08
Total =			110	84
<p>Additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p style="text-align: center; font-size: 1.2em; color: blue;">Satisfactory</p>				

Date

Signature

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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	06
	Average % of students passing in CT-I *0.1	60%		.
2	Performance of students in Class Test-II		10	09
	Average % of students passing in CT-II *0.1	90%		
3	Performance of students in University Exam	100%	30	30
	Average % of students passing in UE *0.3			
4	Overall Performance of students		50	
	% of students securing CGPA > 9*0.50	24.73		12
	% of students securing CGPA in between 8.25 and 9.0 *0.4	24.73	53.84	21
	% of students securing CGPA in between 6.75 and 8.25 *0.3	21.16		06
	% of students securing CGPA in between 5.75 and 6.75 *0.2			
	% of students securing CGPA < 5.75 *0.1			
5	Number of copy cases reported and punished * (- 2)			
Total =			100	84

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

satisfactory

Date

Signature of auditor/s

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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?	Y	5	4
2	Whether academic processes are student developments centric?	Y	5	4
3	Students enrollment for co-curriculum activities in or out the institute	70%	10	08
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?		5	04
5	Participation of students in Sport?		10	07
6	Participation of students in cultural activities?		10	07
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.		5	03
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	90%	10	08
9	How is the performance of students in Extension of services through NSS/NCC?	05	5	03
10	Industrial visits organized by department.	02	10	08
11	Technical events organized by the department for faculty and students including CEP/STTP/Expert lectures/Model or project competition/GD/PI etc	Y	20	18
12	Performance in competitive examinations like GATE/CAT etc	11	5	03
Total =			100	77

Any additional comments/feedback/observations/advice which may or may not be based on above points: - student's participation in co-curricular activities is good
 - students need to be promoted for NPTEL etc.
 - GRVENTRIX is appreciable initiative by department

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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)		10	08
	Corrective action taken at the departmental level		10	08
2	Grievance/Suggestion mechanism			
	Through Online /email		10	08
	Corrective action taken for suggestions at the departmental level		10	08
3	Feedback at the end of semester (Over all impression reported by students)		40	
	% of Excellent responses *0.4	26.6		11
	% of Very Good responses *0.35	30		10
	% of Good responses *0.25	28.3		07
	% of Poor responses *0.15	10.6		02
	% very poor responses *0.205	4.3		00
4	Corrective action taken by department for point 3		20	18
Total =			100	80
Any additional comments/feedback/observations/advice which may or may not be based on above points: <div style="text-align: center; font-family: cursive; font-size: 1.2em; margin-top: 10px;">Satisfactory</div>				


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7. Faculty Performance

Sr. No.	Description	Quantity/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
1	Performance appraisal		30	
	% of faculty received "A+" remark* 03	02 25%		7.5
	% of faculty received "A" remark* 02	04 75%		2
	% of faculty received "B" remark* 0.1			
2	Qualification enhancement of faculty through qualification / online courses		5	4
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.		15	12
4	MODROB/UBA/ RPS and other sponsored projects received by the department		5	03
5	Participation of faculty outside the Institution		10	06
6	Performance of faculty, based on books publication, patent filed and awards		5	04
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)		5	03
8	% of faculty members participated in various faculty development programme		10	08
9	Innovative ideas implemented by the department for overall academic development of students		10	06
10	Whether guided Research scholars?		5	04
Total =			100	61
Any additional comments/feedback/observations/advice which may or may not be based on above points: <i>participation as resource person outside institute by faculties need improvement</i>				

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


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