



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"
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Department of Civil Engineering

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

Date and Day of Visit: Wednesday, 04-10-2023

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	Dr. N. D. Ghaughawe	Dr. R. B. Yarasu
2	Designation	Professor	Asso. Professor
3	Institute name	GCOE, Nagpur	GCOE, Nagpur
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Summary

Sr. No.	Parameters of Evaluation	Page No.	Max. Marks	Marks Scored
1	Academic Facilities	3	150	115
2	Teaching Learning Process	4	240	195
3	Examination System	6	110	82
4	Result	7	100	65
5	General Academic Activities	8	100	77
6	Feedback and Corrective Action	9	100	78
7	Faculty Performance/Up-gradation	10	100	85
Total			900	697

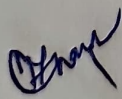
Grade: A+

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
 - Highly experienced faculty members.
 - NBA accredited.
2. Weaknesses-
 - Students academic performance is at lower level
3. Suggestions based on information
 - Corrective measures are to be taken to improve academically weak students.

Auditor 1


(Dr. N.D. Ghawghawe)
Head of Department
Electrical Engg.
Govt. College of Engineering
Nagpur

Name and Signature of Auditor/s

Auditor 2


(Dr. R. B. Yarabu)
Associate Professor
Mechanical Engineering Department
Govt. College of Engineering, Nagpur

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1. Academic Facilities

Sr. No.	Sub-parameter	Quantity/ Facility(Y/N)	Marks Assigned	Marks Secured
1	No of class rooms	(3) Y	10	10
2	No of laboratories	09	10	10
3	No of tutorial rooms	02	5	05
4	Faculty rooms/cabins	06	5	05
5	Equipment available (curricula and cost wise)	Insufficient	35	22
6	Computing facilities (including software)	High-end Soft were required	10	05
7	Research facilities	Y	10	05
8	Audio visual facilities	Y	10	10
9	Class rooms furniture	Y	5	05
10	Laboratories furniture	Y	10	10
11	No of books, e-library, online journals and printed journals related to program in the central library	Sufficient	15	13
12	Departmental library	Y	5	05
13	Internet and wi-fi facility	Y	10	10
14	Improvement made in infrastructural facilities during last year	- Nil -	10	-00-
Total =			150	115
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p>1) Equipment and High-end Software shall be procured.</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.	94.5%	60	60
	Course File			
	% of subjects for which teaching plan is prepared and execution	80%	20	16
	Quality of teaching plan and notes prepared by faculty	Good	10	09
	Preparation of question bank and allied activities	Y	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	98.3 %	15	05
	Quality of experiments conducted	Good	10	08
	Availability of laboratory manual and its quality	Y	10	09
	Maintenance of laboratory equipment and new addition	Insufficient	15	12
	Sponsored projects of UG students	Y	5	03
3	Theory attendance of students		25	19
	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.	83.18%		
4	Practical attendance of students		10	09
	Average % of practical attended by students 100% - 10 marks and less than 75% - 00 marks; in between 75% -100% marks are linearly graded.	98.3%		

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5	Corrective action taken by department against the defaulter students	Y	5	04
6	Home assignments and its assessment.	Y	5	03
7	Efforts taken by department to improve performance of academically weaker students	Y	10	07
8	Efforts taken by department to improve overall performance of students by Courses conducted/Expert lectures etc	Y	10	07
9	Staff development programs for Faculty and/or supporting staff including CEP/ STTP etc (attended)	Y	10	08
Total=			240	195

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

- 1) Teaching plan should be made available before the start of semester.

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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	08
	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	Y	10	08
	Difficulty level of the question papers including numerical (at par with University Exam)	Y	10	07
	Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations)	Y	10	06
3	Arranging quiz, surprise test, assignments etc.	Y	10	07
4	Practical / term work			
	Assessment of practical (journal).	Y	10	07
	Assessment method to judge depth of understanding	Y	10	08
	Appropriate weight-age to various components of term work assessment	Y	10	07
	Continuous evaluation of project/seminar and its record (maintenance of logbook)	Y	10	08
Total =			110	82
Additional comments/feedback/observations/advice which may or may not be based on above points: 1) Student assignment must include Quiz/PPT/case study etc.				

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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	08
	Average % of students passing in CT-I *0.1	79%		
2	Performance of students in Class Test-II		10	08
	Average % of students passing in CT-II *0.1	81%		
3	Performance of students in University Exam		30	24
	Average % of students passing in UE *0.3	81.54%		
4	Overall Performance of students		50	25
	% of students securing CGPA > 9*0.5	1.1%	0.5	—
	% of students securing CGPA in between 8.25 and 9.0 *0.4	0.57%	0.2	—
	% of students securing CGPA in between 6.75 and 8.25 *0.3	46.3%	13.9	—
	% of students securing CGPA in between 5.75 and 6.75 *0.2	48.4%	9.6	—
	% of students securing CGPA < 5.75 *0.1	3.63%	0.3	—
5	Number of copy cases reported and punished * (- 2)			—
Total =			100	65

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

1) Corrective actions must be taken to improve CGPA.

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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	04
2	Whether academic processes are student developments centric?	Y	5	03
3	Students enrollment for co-curriculum activities in or out the institute	Y	10	07
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?	Y	5	03
5	Participation of students in Sport?	Y	10	08
6	Participation of students in cultural activities?	Y	10	09
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.	Y (55%)	5	05
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	Y	10	06
9	How is the performance of students in Extension of services through NSS/NCC?	Y	5	03
10	Industrial visits organized by department.	Y	10	07
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	Y	5	04
Total =			100	77

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

- 1) Students should be encouraged to participate more in the other institutions.
- 2) More numbers of students shall appear at GATE/CAT/GRE/GMAT exams.

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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)	Thrice	10	08
	Corrective action taken at the departmental level	Y	10	07
2	Grievance/Suggestion mechanism			
	Through Online /email	Y	10	07
	Corrective action taken for suggestions at the departmental level	Y	10	07
3	Feedback at the end of semester (Over all impression reported by students)		40	34
	% of Excellent responses *0.4	03 %.		—
	% of Very Good responses *0.35	85 %.		—
	% of Good responses *0.25	12 %.		—
	% of Poor responses *0.15	— Nil —		—
	% very poor responses *0.05	— Nil —		—
4	Corrective action taken by department for point 3	Y	20	15
Total =			100	78
Any additional comments/feedback/observations/advice which may or may not be based on above points: <div style="text-align: center; margin-top: 20px;"> </div>				

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7. Faculty Performance

Sr. No.	Description	Quantity/ Facility (Y/N) / Remarks	Marks Assigned	Marks Secured
1	Performance appraisal		30	29
	% of faculty received "A+" remark* 0.3	(5/6) 83%		
	% of faculty received "A" remark* 0.2	17%		
	% of faculty received "B" remark* 0.1	- Nil -		
2	Qualification enhancement of faculty through qualification / online courses	Y	5	05
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	Y (13)	15	12
4	MODROB/UBA/ RPS and other sponsored projects received by the department	Y	5	03
5	Participation of faculty outside the Institution	Y	10	07
6	Performance of faculty, based on books publication, patent filed and awards	Y	5	05
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)	Y	5	05
8	% of faculty members participated in various faculty development programme	Y	10	10
9	Innovative ideas implemented by the department for overall academic development of students	Y	10	06
10	Whether guided Research scholars?	Y	5	03
Total =			100	85

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

- 1) Needs improvement in number of sponsored projects
- 2) Needs improvement in the number activities of innovative practices

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

- 3) Participation of faculty in consultancy (IRG), outside representation are appreciable.
- 4) Overall performance appraisal is excellent.

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