



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: 2021 - 2022

Date and Day of Visit: 6/9/2022 (Tuesday)

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	Dr. N.D. Ghanghane	S. G. Bhele
2	Designation	Professor (Elect.)	Assistant Prof.
3	Institute name	Govt. CoE, Nagpur	G CoE, Nagpur
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Summary

Sr. No.	Parameters of Evaluation	Page No.	Max. Marks	Marks Scored
1	Academic Facilities	3	150	123
2	Teaching Learning Process	4	240	202
3	Examination System	6	110	72
4	Result	7	100	87.34
5	General Academic Activities	8	100	71
6	Feedback and Corrective Action	9	100	73.94
7	Faculty Performance/Up-gradation	10	100	55
		Total	900	684.28

Grading System: **A⁺**

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

2. Weaknesses-

3. Suggestions based on information

Auditor 1

(M.D. - Ghausghar)

Name and Signature of Auditor/s

Auditor 2

S. B. Nayak
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1. Academic Facilities

Sr. No.	Sub-parameter	Quantity/ Facility(Y/N)	Marks Assigned	Marks Secured
1	No of class rooms	03 (Y)	10	10
2	No of laboratories	09	10	10
3	No of tutorial rooms	02	5	5
4	Faculty rooms/cabins	03+02	5	5
5	Equipments available (curricula and cost wise)	Inadequate	30	18
6	Computing facilities (including software)	High End s/w are required	10	5
7	Research facilities		10	5
8	Electric power available for 24x7	Yes	5	5
9	Audio visual facilities	Yes	10	10
10	Class rooms furniture (quantity and quality)	Yes	5	5
11	Laboratories furniture (quantity and quality)	Yes	10	10
12	No of books, e-library, online journals and printed journals related to programme in the central library	Books & e-library facility available	15	12
13	Departmental library	Yes	5	5
14	Internet and wi-fi facility	Yes	10	10
15	Improvement made in infrastructural facilities during last year	Yes.	10	08
Total =			150	123
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p>1) Engineering Application s/w such as -MATLAB etc are required</p> <p>2) Printed journals in the library should be purchased.</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.	94.78 %	60	60
	Course File			
	% of subjects for which teaching plan is prepared and execution	99.63 %	20	20
	Quality of teaching plan and notes prepared by faculty	Good	10	8
	Preparation of question bank and allied activities	Yes	10	8
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%	15	15
	Quality of experiments conducted	Good	10	8
	Availability of laboratory manual and its quality	Available for most of the courses	10	8
	Maintenance of laboratory equipments and new addition	Insufficient	15	12
	Sponsored projects of UG students	Few sponsored projects	5	3
3	Theory attendance of students		25	23
	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.	82.62 %		
4	Practical attendance of students	88 %	10	09

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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.			
5	Corrective action taken by department against the defaulter students	Yes	5	03
6	Home assignments and its assessment.	Yes	5	04
7	Efforts taken by department to improve performance of academically weaker students	Yes	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	09
Total=			240	202

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

- 1) In spite of digital facilities available with the dept., their effective use is not seen.
- 2) High End equipment need to be procured by the department.

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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	8
	Transparency in the processes like internal assessment: & declaration of result	Y	10	8
	Staff appointed for examination	Y	10	8
2	Quality of CT question papers			
	Appropriate coverage of syllabus in class test	Y	10	8
	Difficulty level of the question papers including numerical (at par with University Exam)	Y	10	7
	Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations)	Y	10	6
3	Arranging quiz, surprise test, assignments etc.	Y	10	6
4	Practical / term work			
	Assessment of practical (journal).	Y	10	8
	Assessment method to judge depth of understanding	Y	10	7
	Appropriate weight-age to various components of term work assessment	Y	10	7
	Continuous evaluation of project/seminar and its record (maintenance of logbook)	Y	10	7
		Total =	110	72
Additional comments/feedback/observations/advice which may or may not be based on above points: 1) Innovative question papers need to be designed as per AICTE examination reforms 2) Quality of assignments should be improved.				

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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	9
	Average % of students passing in CT-I *0.1	Y		
2	Performance of students in Class Test-II		10	10
	Average % of students passing in CT-II *0.1	Y		
3	Performance of students in University Exam		30	30
	Average % of students passing in UE *0.3	Y		
4	Overall Performance of students		50	
	% of students securing CGPA > 9*0.55		19.16	10.54
	% of students securing CGPA in between 8.25 and 9.0 *0.4		37.63	15.05
	% of students securing CGPA in between 6.75 and 8.25 *0.3		42.50	12.75
	% of students securing CGPA in between 5.75 and 6.75 *0.2		0.02	0.0
	% of students securing CGPA < 5.75 *0.5		0.0	0.0
5	Number of copy cases reported and punished * (- 2)			38.34
Total =			100	87.34

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

- 1) Number of students above 9.0 CGPA is reduced as compared to previous years.
- 2) Performance of students in CT1/CT2 is found satisfactory

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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	3
3	Students enrollment for co-curriculum activities in or out the institute	Y	10	7
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?	Y	5	3
5	Participation of students in Sport?	Instt. - Y	10	7
6	Participation of students in cultural activities?	Instt. - Y	10	8
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.	Y	5	3
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	80% Y	10	7
9	How is the performance of students in Extension of services through NSS/NCC?	Y	5	3
10	Industrial visits organized by department.	Y	10	7
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	16
12	Performance in competitive examinations like GATE/CAT etc	Y	5	3
Total =			100	71
Any additional comments/feedback/observations/advice which may or may not be based on above points: 1) Outside participation of students in various activities need to be improved 2) Placement is found satisfactory but pay package is still less				

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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)	Y	10	7
	Corrective action taken at the departmental level	Y	10	6
2	Grievance/Suggestion mechanism			
	Through Online /email	Y	10	7
	Corrective action taken for suggestions at the departmental level	Y	10	6
3	Feedback at the end of semester (Over all impression reported by students)			
	% of Excellent responses *0.6	Nil		
	% of Very Good responses *0.5 0.35	69.39		24.29
	% of Good responses *0.4 0.25	30.60		7.65
	% of Poor responses *0.3 0.15	Nil		-
	% very poor responses *0.2 0.05	Nil		-
4	Corrective action taken by department for point 3	Y	20	16
Total =			100	73.94
Any additional comments/feedback/observations/advice which may or may not be based on above points:				

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7. Faculty Performance

Sr. No.	Description	Quantity/ Faculty(Y/N) / Remarks	Marks Assigned	Marks Secured
1	Performance appraisal	Y	30	} N/A.
	% of faculty received "A+" remark* 0.4			
	% of faculty received "A" remark* 0.3			
	% of faculty received "B" remark* 0.1			
2	Qualification enhancement of faculty through qualification / online courses	Y	5	4
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	Y	15	12
4	MODROB/UBA/ RPS and other sponsored projects received by the department	Y	5	4
5	Participation of faculty outside the Institution	Y	10	8
6	Performance of faculty, based on books publication, patent filed and awards	Y	5	3
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)	Y	5	5
8	% of faculty members participated in various faculty development programme	Y	10	8
9	Innovative ideas implemented by the department for overall academic development of students	Y	10	7
10	Whether guided Research scholars?	Y	5	4
Total =			100	55/70

i.e. $\frac{79}{100}$

Any additional comments/feedback/observations/advice which may or may not be based on above points: 1) Faculty should be motivated to write books and journal papers.
2) Faculty participation for outside activities is satisfactory.

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

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