



# 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](http://www.gcoen.ac.in)  
e-mail: [principal.gcoenagpur@dtmaharashtra.gov.in](mailto:principal.gcoenagpur@dtmaharashtra.gov.in) [office.gcoenagpur@dtmaharashtra.gov.in](mailto:office.gcoenagpur@dtmaharashtra.gov.in)

Department of Civil Engg.

## Academic Audit U.G. Programmes Academic Year: 2020-2021

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

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	Dr. N. D. Ghanghawe	Prof. S. G. Bhele
2	Designation	Professor (Elit)	Assistant Professor (ETC)
3	Institute name	Govt. COE Nagpur,	Govt. COE, Nagpur
4	Contact no	9420254821	9404082595
5	email	<u>g_nit@rediffmail.com</u>	<u>sjata.bhele@yahoo.co.in</u>

Signature of auditor/s

Academic Audit Format/GCoEN /

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## Summary

Sr. No.	Parameters of Evaluation	Page No.	Max. Marks	Marks Scored
		3	150	118
1	Academic Facilities	4	240	204
2	Teaching Learning Process	6	110	80
3	Examination System	7	100	90.43
4	Result	8	100	68
5	General Academic Activities	9	100	82.00
6	Feedback and Corrective Action	10	100	77
7	Faculty Performance/Up-gradation	Total	900	713.43

Grading System: **A<sup>+</sup>**

Grade	Details	Total Marks scored
A <sup>+</sup>	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

*(Signature)*  
A. D. Chawhan

Name and Signature of Auditor/s

Signature of auditor/s

Auditor 2

S. B. Nagale  
*(Signature)*

## 1. Academic Facilities

Sr. No.	Sub-parameter	Quantity/ Facility(Y/N)	Marks Assigned	Marks Secured
1	No of class rooms	03	10	10
2	No of laboratories	03	10	10
3	No of tutorial rooms	02	5	05
4	Faculty rooms/cabins	03+01	5	05
5	Equipments available (curricula and cost wise)	Not Sufficient	30	20
6	Computing facilities (including software)	Y	10	06
7	Research facilities	-	10	05
8	Electric power available for 24x7	Y	5	05
9	Audio visual facilities	Y	10	00
10	Class rooms furniture (quantity and quality)	Y	5	04
11	Laboratories furniture (quantity and quality)	Y	10	07
12	No of books, e-library, online journals and printed journals related to programme in the central library	Books & E-Library facility Available	15	11
13	Departmental library	Y	5	5
14	Internet and wi-fi facility	Y	10	08
15	Improvement made in infrastructural facilities during last year	Y	10	07
<b>Total =</b>			<b>150</b>	<b>118</b>
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p>1) More no. of equipment are needed. &amp;</p> <p>2) The basic labs must be well equipped.</p> <p>3) High end software should be procured.</p>				

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## 2. Teaching – Learning Process

Sr. No	Description	Quantity/ Facility (Y/N) / Remarks	Max. Marks	Marks Secured
1	<b>Theory lectures</b>		60	60
	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.	93.17%		
	<b>Course File</b>		20	20
	% of subjects for which teaching plan is prepared and execution	100%		
	Quality of teaching plan and notes prepared by faculty	Moderate	10	07
	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	06
2	<b>Practical</b>		15	15
	Average % of practical conducted compared with that minimum required as per curriculum: less than 100% - 5 marks; 100% - 10, >100% marks; 15	96.08		
	Quality of experiments conducted	Good	10	8
	Availability of laboratory manual and its quality	Available	10	8
	Maintenance of laboratory equipments and new addition	Insufficient	15	11
	Sponsored projects of UG students	Very few	5	03
3	<b>Theory attendance of students</b>		25	21
	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.	85.84		
4	<b>Practical attendance of students</b>	87.84	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	07
9	Staff development programs for Faculty and/or supporting staff including CEP/ STTP etc	Yes	10	08
Total=			240	204

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

- ①
- 1) More advanced equipment should be available with the departmental labs.
  - 2) More number industry sponsored projects should be undertaken.

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### 3. Examination System

Sr No	Description	Quantity/ Facility(Y/N) / Remarks	Max. Marks	Marks Secured
1	<b>Examination Process</b>		10	08
	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	<b>Quality of CT question papers</b>		10	07
	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	<b>Arranging quiz, surprise test, assignments etc.</b>	Y	10	06
4	<b>Practical / term work</b>		10	06
	Assessment of practical (Journal)	Y	10	07
	Assessment method to judge depth of understanding	Y	10	07
	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
<b>Total =</b>			<b>110</b>	<b>80</b>
<p><b>Additional comments/feedback/observations/advice which may or may not be based on above points:</b></p> <p>1) Question papers should be designed with the guidelines as per AICTE's guidelines of exam reforms.</p> <p>2) More <del>at</del> <del>sur</del> no. of surprise tests/open book tests should be conducted.</p>				

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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	90%		
2	Performance of students in Class Test-II		10	10
	Average % of students passing in CT-II *0.1	100%		
3	Performance of students in University Exam		30	30
	Average % of students passing in UE *0.3	100%		
4	Overall Performance of students		50	
	% of students securing CGPA > 9*0.55	23.3%		(12.82)
	% of students securing CGPA in between 8.25 and 9.0 *0.5	53%		(21.2)
	% of students securing CGPA in between 6.75 and 8.25 *0.3	24.7%		(7.41)
	% of students securing CGPA in between 5.75 and 6.75 *0.2	0%		-
	% of students securing CGPA < 5.75 *0.5			-
5	Number of copy cases reported and punished * (-2)	Nil	-	41.43
Total =			100	90.43

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

1) Good number of students are performing above 8.25 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	5
2	Whether academic processes are student developments centric?	Y	5	5
3	Students enrollment for co-curriculum activities in or out the institute	Y	10	8
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?	Y	5	3
5	Participation of students in Sport?	Nil	10	8
6	Participation of students in cultural activities?	50	10	8
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.	10	5	4
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	52%	10	6
9	How is the performance of students in Extension of services through NSS/NCC?	Nil/03	5	03
10	Industrial visits organized by department.	Nil*	10	5
11	Technical events organized by the department for faculty and students including CEP/STTP/Expert lectures/Model or project competition/GD/PI etc	02	20	10
12	Performance in competitive examinations like GATE/CAT etc	66%	5	3
<b>Total =</b>			<b>100</b>	<b>68</b>
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points:</p> <ol style="list-style-type: none"> <li>1) Due to Covid-19 no physical industrial visits were organized</li> <li>2) more technical events should be organized.</li> <li>3) Placement need to be improved.</li> </ol>				

*J. N. Singh*

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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	<b>Feedback during the semester</b>			
	Frequency of obtaining student's feedback (Meetings of CRs etc)	02	10	8
	Corrective action taken at the departmental level	Y	10	8
2	<b>Grievance/Suggestion mechanism</b>			
	Through Online /email	Online	10	9
	Corrective action taken for suggestions at the departmental level	Y	10	9
3	<b>Feedback at the end of semester (Over all impression reported by students)</b>			
	% of Excellent responses *0.4	Nil		
	% of Very Good responses *0.35	80%		28
	% of Good responses *0.25	20%		05 *
	% of Poor responses *0.15	-		
	% very poor responses *0.05	-		
4	Corrective action taken by department for point 3		20	15
<b>Total =</b>			100	<u>82.00</u>
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/ Facility(Y/N) / Remarks	Marks Assigned	Marks Secured
			30	} NA.
1	Performance appraisal			
	% 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	4	5	4
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	24 (Pub. Nos.) <del>102 papers</del>	15	12
4	MODROB/UBA/ RPS and other sponsored projects received by the department	01	5	03
5	Participation of faculty outside the Institution	4	10	08
6	Performance of faculty, based on books publication, patent filed and awards	01 Patent	5	03
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)	82 lakh (Approx)	5	04
8	% of faculty members participated in various faculty development programme	25 Nos. (100%)	10	10
9	Innovative ideas implemented by the department for overall academic development of students	02	10	06
10	Whether guided Research scholars?	04 students	5	04
<b>Total =</b>			100	$\frac{54}{70}$ i.e. 77/100

Any additional comments/feedback/observations/advice which may or may not be based on above points: 1) Good number of Ph.D. qualified faculty available in the deptt.  
2) Publications in std. journals are needed.

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

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