



Government College of Engineering, Nagpur



("To be an Institution of National Repute Creating Globally Competent Technocrats to Serve the Society")
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"To be an Institution of National Repute Creating Globally Competent Technocrats to Serve the Society"
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Department of Civil Engrg.

Academic Audit U.G. Programmes Academic Year: 2019 - 2020

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

SN	Details	Auditor 1	Auditor 2
1	Name of Auditor	J. N. D. Ghawghawe	S. G. Bhele
2	Designation	Professor (Elect)	Assistant Prof.
3	Institute name	Govt. COE Nagpur	Govt. Collg of Engrg. Nagpur
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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	198
3	Examination System	6	110	89
4	Result	7	100	50
5	General Academic Activities	8	100	80
6	Feedback and Corrective Action	9	100	74.8
7	Faculty Performance/Up-gradation	10	100	69
		Total	900	704.8

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

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(Name of Auditor)

Name and Signature of Auditor/s

Auditor 2

(Signature)
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	Y Y ⁽⁰²⁾	10	10 10
2	No of laboratories	Y ⁰⁹	10	10 10
3	No of tutorial rooms		5	
4	Faculty rooms/cabins	03+01	5	5
5	Equipments available (curricula and cost wise)	Insufficient	30	21
6	Computing facilities (including software)	Y ^{H+}	10	7
7	Research facilities	-	10	5
8	Electric power available for 24x7	Y	5	5
9	Audio visual facilities	Y	10	10
10	Class rooms furniture (quantity and quality)	Y	5	3
11	Laboratories furniture (quantity and quality)	Y	10	06
12	No of books, e-library, online journals and printed journals related to programme in the central library	Y	15	9
13	Departmental library	Y	5	5
14	Internet and wi-fi facility	Y	10	07
15	Improvement made in infrastructural facilities during last year	Y	10	06
		Total =	150	109
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points: 1) Equipments should be made available. 2) Research facilities should be improved.</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.	91.33%	60	60
	Course File			
	% of subjects for which teaching plan is prepared and execution	89.11%	20	18
	Quality of teaching plan and notes prepared by faculty	Good	10	7
	Preparation of question bank and allied activities	Yes	10	7
	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	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	95.6%	15	5
	Quality of experiments conducted	Good	10	9
	Availability of laboratory manual and its quality	Available	10	8
	Maintenance of laboratory equipments and new addition	Not sufficient	15	13
	Sponsored projects of UG students	Some few	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.			
4	Practical attendance of students		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	04
6	Home assignments and its assessment.	Yes	5	03
7	Efforts taken by department to improve performance of academically weaker students	Yes	10	06
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	198

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

- 1> Equipments should be use made available for doing practicals (real time)
- 2> Real time projects should be done by students.

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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	07
	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	09
	Difficulty level of the question papers including numerical (at par with University Exam)	Y.	10	06
	Innovation in question paper (Volume of repeated questions, correlation of questions with competitive examinations)	Y	10	07
3	Arranging quiz, surprise test, assignments etc.	Y.	10	07
4	Practical / term work			
	Assessment of practical (journal).	Y	10	09
	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
				84
<p>Additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p>1) Question papers should include the questions related to industry..</p> <p>2) Open Book tests can 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	Y	10	10
	Average % of students passing in CT-I *0.1			
2	Performance of students in Class Test-II	Y	10	10
	Average % of students passing in CT-II *0.1			
3	Performance of students in University Exam	Y	30	30
	Average % of students passing in UE *0.3			
4	Overall Performance of students		50	
	% of students securing CGPA > 9*0.55			3.75
	% of students securing CGPA in between 8.25 and 9.0 *0.4			15.9
	% of students securing CGPA in between 6.75 and 8.25 *0.3			8.2
	% of students securing CGPA in between 5.75 and 6.75 *0.2			4
	% of students securing CGPA < 5.75 *0.5			3.7
5	Number of copy cases reported and punished * (-2)		100	40+50 = 90
Total =				
<p>Additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p>Performance of students should be increased for CGPA 7.9 & CGPA in between 8.25 & 9.0'</p>				

0.635
0.159
0.12
0.044
0.0027

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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	Y	10	8
4	Whether co-curriculum activities of institute/department are evenly distributed throughout the year?	Y	5	4
5	Participation of students in Sport?	Y	10	8
6	Participation of students in cultural activities?	Y	10	8
7	Implementation of AICTE schemes such as IIC, Skill India, NPTEL etc.	Y	5	4
8	How much is overall placement of students (in % based on eligible students) and annual pay package?	Y	10	8
9	How is the performance of students in Extension of services through NSS/NCC?	Y	5	4
10	Industrial visits organized by department.	Y	10	8
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	17
12	Performance in competitive examinations like GATE/CAT etc	Y	5	3
Total =			100	80
Any additional comments/feedback/observations/advice which may or may not be based on above points: Technical events should be conducted for enhancement of knowledge of students.				

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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	7
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)		40	
	% of Excellent responses *0.4	Nil		22
	% of Very Good responses *0.35	74.54%		26.1
	% of Good responses *0.25	22.85%		5.7
	% of Poor responses *0.15	Nil		-
	% very poor responses *0.05	Nil		-
4	Corrective action taken by department for point 3		20	16
Total =			100	74.8
<p>Any additional comments/feedback/observations/advice which may or may not be based on above points:</p> <p style="margin-left: 40px;">Excellent responses are expected.</p>				

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7. Faculty Performance

Sr. No.	Description	Quantity/ Faculty(Y/N) / Remarks	Marks Assigned	Marks Secured
1	Performance appraisal	Y	30	
	% of faculty received "A+" remark* 0.3			15
	% of faculty received "A" remark* 0.2			
	% of faculty received "B" remark* 0.1			
2	Qualification enhancement of faculty through qualification / online courses	Y	5	3
3	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	Y	15	13
4	MODROB/UBA/ RPS and other sponsored projects received by the department	Y	5	3
5	Participation of faculty outside the Institution	Y	10	9
6	Performance of faculty, based on books publication, patent filed and awards	Y	5	2
7	Performance of faculty, based on consultancy and internal revenue generation (IRG)	Y	5	4
8	% of faculty members participated in various faculty development programme	Y	10	9
9	Innovative ideas implemented by the department for overall academic development of students	Y	10	8
10	Whether guided Research scholars?	Y	5	3
Total =			100	69

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

- 1) Performance of the faculty can be enhanced by publishing research papers.
- 2) Performance of faculty is required in books publication, patent file.

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

M. S. K.

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