



External Academic Audit Report

(To be filled up by Academic Experts)

Academic Year: 2017 - 2018

1. Name of the Auditor: Dr. Aashish Lambat

Designation: Associate professor, Sevadal Mahavidyalaya, Nagpur (MS)

Address: Sevadal Mahavidyalaya, Nagpur (MS)

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2. Name of the Auditor: Dr. Atul D. Bobade

Designation: Associate professor, Shri Shivaji Science College, Nagpur (MS)

Address: Shri Shivaji Science College, Nagpur (MS)

Contact number: 9423654278

Email id: drad.bobdey@sscn.in

3. The date of visit: 05/5/2018 to 8/05/18

Summary

Sr. No.	Parameters of Evaluation	Max.Marks	Marks Scored
1	Curricula	80	75
2	Academic Facilities	140	115
3	Teaching Learning Process	235	185
4	Examination System	83	72
5	Result	100	71
6	General academic activities	85	44
7	Feedback and corrective action	100	74
8	Faculty performance up gradation	100	56
Total		923	692

Total Marks scored: $(692 \times 100) / 923 = 74.97$

Grading System:

Grade	Details	Total Marks Scored
A+	Excellent	840 and above
A	Good	654 – 839
B	Acceptable	467 – 653

Strengths:

- Dedicated and proactive faculty members.
- Teaching Learning environment is good.

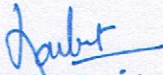
2. Weaknesses:


- Faculty having Ph.D. degree should be filled.
- Number of equipment sets should be increased

3. Suggestions based on information:

- Faculty should be motivated for research work.
- Number of Options for Free elective subjects should be improved.
- Field projects should be preferred.

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1. Curricula

Sr.No	Sub Parameter	Marks Assigned	Marks Scored
1	Curricula content to provide understanding of concepts of		
	Mathematics and Basic Sciences	5	5
	Basic Engineering Subjects	5	5
	Management and Humanities	4	4
	Programme Core	30	27
	Elective Subjects	4	4
	Interdisciplinary Elective Subjects	2	2
	Communication and Computer Skills	5	5
	Innovative and Creative Abilities	5	5
	Human Values, skills, professional ethics, environment	5	5
	Entrepreneurial Skills	5	5
	Hands on training and other industrial needs	5	4
	Self Learning Practices	5	4
Total		80	75

Additional Comments/ Feedbacks /Observations/ advice which may or may not be based on above points:

- Hygiene and cleanliness level in campus need to be improved.
- Library should be fully atomized.

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2. Academic Facilities

Sr. No	Sub-parameter	Marks Assigned	Marks Obtained
1	No of class rooms	4	4
2	No of laboratories	10	10
3	No of tutorial rooms	1	1
4	Faculty rooms/cabins	5	5
5	Equipment's available (curricula and cost wise)	35	26
6	Computing facilities (including software)	10	8
7	Research facilities	10	8
8	Electric power available for 24x7	8	8
9	Audio visual facilities	5	4
10	Class rooms furniture (quantity and quality)	4	3
11	Laboratories furniture (quantity and quality)	10	10
12	No of books, e-library, online journals and printed journals related to programme in the central library	15	10
13	Departmental library	5	3
14	Internet and wi-fi facility	8	7
15	Improvement made in infrastructural facilities during last year	10	8
Total		140	115

Any additional comments/feedback/observations/advice which may or may not be based on above points: Number of e-resources should be improved.

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3. Teaching - Learning Process

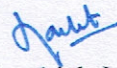
Sr.No.	Description	Marks assigned	Marks obtained
1	Theory lectures		
	Average % of lectures conducted compared with target: Score more than 90% - 60 marks; in between 40% -90% marks are linearly graded. and less than 40% - 00 marks	60	55
	Course File		
	% of subjects for which teaching plan is prepared and execution plan submitted at the end of semester (including quality of execution)	20	16
	Quality of teaching plan and notes prepared by faculty.	10	8
	Preparation of question bank, solution of earlier question papers and allied activities	10	7
2	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)	10	7
	Practical		
	Average % of practical conducted compared with that minimum required as per curriculum: more than 110% - 15 marks; in between 100% - 110% marks are linearly graded; 100% - 5 marks; less than 100% - 00 marks	15	11
	Quality of experiments conducted (Do the experiments designed facilitate the students in generating creative thoughts?)	10	7
	Availability of laboratory manual and its quality	10	8
	Maintenance of laboratory equipments and new addition	10	6
3	Sponsored projects of UG.PG students	5	0
	Theory Attendance of Students		
4	Average % of lectures attended by students more than 90% - 25 marks and in between 60% -90% marks are linearly graded; less than 60% - 00 marks	25	24
	Practical Attendance of Students		
5	Average % of practical attended by students 100% - 10 marks; in between 90% -100% marks are linearly graded; and less than 90% -00 marks	10	10
	Corrective action taken by department against the defaulter students	5	4

6	Home assignments and its assessment.	5	5
7	Efforts taken by department to improve performance of academically weaker students	10	4
8	Efforts taken by department to improve overall performance of students including Quality Circle.	10	5
9	Courses conducted/Expert lectures etc Staff development programs for Faculty and/or supporting staff including FDP/STTP etc	10	8
Total		235	185

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

- Pedagogy trainings should be arranged for new faculties.
- Industry- institute interactions should be increased through field projects

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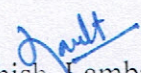
4. Internal Examination System

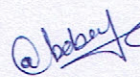
Sr. No	Description	Marks assigned	Marks obtained
Examination Process			
1	Strict execution of academic calendar for all examinations	5	5
	Strict execution of academic calendar for declaration of result including revaluation, redressal etc.	5	5
	Transparency in the processes like internal assessment; scrutiny and declaration of result	8	8
	Appropriate weight-age for continuous evaluation and end semester examination.	5	5
Quality of Internal Examination question papers			
2	Appropriate coverage of syllabus in sessional examinations	6	5
	Difficulty level of the question papers including numerical	8	6
3	Arranging quiz, surprise test, assignments	8	8
4	Evaluation of practical / term work	8	7
	Continuous assessment of practical journal.	5	4
	Continuous evaluation of project/seminar and its record	5	3
Involvement of faculty member in the external examination work as			
5	Paper setter	8	4
	Evaluator/Moderator	6	6
	Examiner for practical examination	6	6
Total		83	72

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

- Question papers should be designed in such way so that question pattern helps to develop the problem solving skill and analytical ability of the student.

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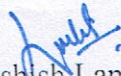
5. Result

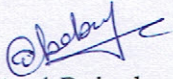
Sr. No	Description	Marks assigned	Marks obtained
1	Performance of students in 1 st sessional examination	10	3
2	Performance of students in 2 nd sessional examination	10	5
3	Performance of students in university examinations	30	23
4	Overall Result of Institute	50	40
Total		100	71

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

- Practice test should be conducted for slow learners.

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6. General Academic Activities

Sr.No	Description	Marks assigned	Marks obtained
1	Whether all activities performed as per academic calendar?	5	4
2	Whether academic processes are student developments centric?	5	4
3	% of students actually enrol for co-curriculum activities in or out the institute >70% -10 marks 30% to 70%- linearly distributed <30% - 00 marks	10	7
4	Whether co-curriculum activities of institute/department are conducted throughout the year?	5	4
6	How much is overall placement of students (in % based on eligible students) and annual pay package?	30	13
7	How is the performance of students in Extension of services through NSS?	7	0
8	Industrial visits organized by department.	10	7
9	Technical events organized by the institute for faculty and students including STTP/Expert lectures/Model or project competition.	8	5
10	Performance in competitive examinations like GATE/CAT etc.	5	0
Total		85	44

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

- Students should be motivated for self learning.
- Practice

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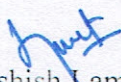
7. Student's Feedback and Corrective Action

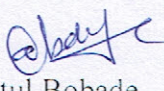
Sr. No.	Sub parameters	Marks assigned	Marks obtained
1	Feedback during semester	5	4
	Frequency of obtaining student's feedback (Meetings of CR's etc)		
	Corrective action taken at the departmental level	5	4
2	Suggestion box		
	Availability of suggestion box	3	3
	How frequently suggestion box is opened?	3	2
	Corrective action taken for suggestions at the departmental level	4	2
3	Feedback at the end of semester (Overall impression reported by students for theory courses)	40	30
4	Feedback at the end of semester (Overall impression reported by students for practical courses)	20	17
5	Corrective action taken by department for point 3 and 4	20	12
Total		100	74

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

- Record of corrective action taken report should be maintained properly in all departments.

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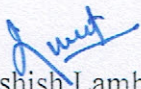
8. Faculty Performance

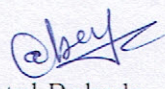
Sr. No.	Description	Marks assigned	Marks obtained
1	Feedback from student	10	7
2	Performance appraisal	20	18
3	Qualification enhancement of faculty	5	3
4	Overall performance of faculty, based on research paper published in journals, conferences and seminar.	15	4
5	sponsored projects received by the department	5	1
6	Participation of faculty outside the Institution	10	4
7	Performance of faculty, based on books publication, patent filed and awards	5	1
8	% of faculty members participated in various faculty development Programme	10	10
9	Innovative ideas implemented by the department for overall academic development of students (quality circle, hobby club etc)	10	5
10	Whether guided PG/Research scholars	5	3
Total		100	56

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

- Faculty should be encouraged for research publications and for research proposal submissions

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Dr. Atul Bobade
08/05/2018