

**Visvesvaraya National Institute Of Technology, Nagpur,
Maharashtra state, India**

National Institutional Ranking Framework

External Departmental Audit Report

Year: 2016-17

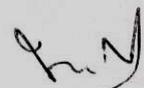
Name of the Department- **MINING, ENGG**

The Departmental External Audit was carried out by the duly formed committee on 20/7/2017 and the final report is presented herewith.

Sr. No.	Heads of Audit	Final Report & Comments
1	Teaching & learning Processes	Good and capable department
2	Research & Facilities, Professional Activities, Collaborative Performance	The department is engaged in improving the facilities to the requirement of the present time.
3.	Graduation Outcome	In this difficult times the department could provide about 50% jobs in the core sector. The new post graduate program needs to improve performance in employment.
4.	Outreach and Inclusivity	The department is engaged with the govt and the industry to teach the subjects in a relevant manner.
5.	Perception	The department has good reputation in the industry and the interactions are regular.
6.	Any additional Remark	In view of difficult job situation, the department should target new avenues for jobs.

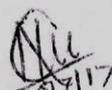
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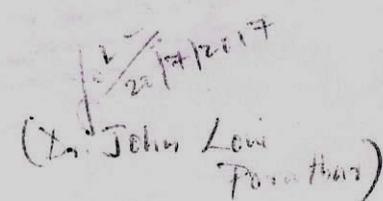
Members From Academics

1. 
Jayanta Bhattacharya

2. 

Members From Industries/Research

1. 
(MIRNAL KUMARI)

2. 
(John Louis Ponnathur)

1. Teaching & learning Processes(weightage 30%)

a. Faculty-Student Ration with Emphasis on Permanent Faculty(FSR)

The department is striving to improve its FSR to meet the bench marks used by MHRD

b. Combined Metric for Faculty with PhD and Experience

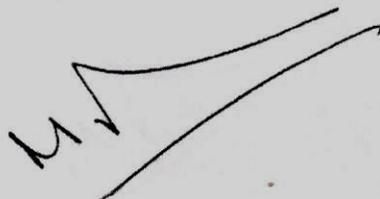
All the faculty members have obtained Ph.D. or shortly going to get. The faculty have an average experience of 26 yrs.

c. Metric for Library and Laboratory Facilities

The department has a well equiped and well maintained laboratory with new acquisitions, but suffers from insufficient space. Similarly the library though rich in old books is short of new and recent books. Institute should grant more resources for improvement.

d. Metric for Sports and Extra-curricular Facilities, Activities

There are adequate facilities for Extra-curricular and co-curricular activities. The students have good participation.



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2. Research & Facilities, Professional Activities, Collaborative Performance (weightage 30%)

a. Combined Metric for Publications

Total of 28 publications, including International/National journals and International/National conferences, with a publication ratio of 2.8

b. Combined Metric for Citations

Total citations recorded as 55.

c. IPR and Patents: Granted, Filed, Licensed

One patent has been filed

d. Percentage of Collaborative Publication, Patents

The department has good collaboration with the Industry and other institutions, which is reflected in the publications.



for
20/7/2017

3. Graduation Outcome (weightage 15%)

a. Combined Performance in Public and University Examinations

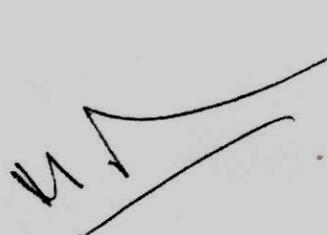
The passing batch has a success percentage of 89.19% in various exams such as GATE, CAT, GRE, IIFT etc.

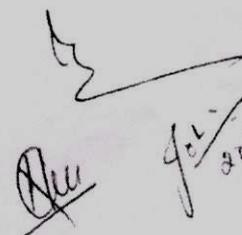
b. Combined Percentage for Placement, Higher Studies and Entrepreneurship

Excellent placement record in the current economic scenario. The department ~~re~~ encourages entrepreneurship, as some students are entering entrepreneurship programs.

c. Mean Salary for Employment

Rs. 6.28 Lakh/annum



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4. Outreach and Inclusivity (weightage 15%)

a. Outreach Footprint (Continuing Education, Service)

A number of onsite training programs for the industry including short-term courses were organised by the dept.
~~About 50% students~~

b. Percentage of Students from other States/Countries

About 50% students from other states.

c. Percentage of Women Students and faculty

About 10% women students. Even in a field of mining it is highly commendable.

d. Percentage of Economically and Socially Disadvantage Student

About 73% of students are economically or socially disadvantaged.

e. Facilities for Physically Challenged Students

Facilities such as ramps and PH facilities in toilets, etc.

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5. Perception (weightage 10%)

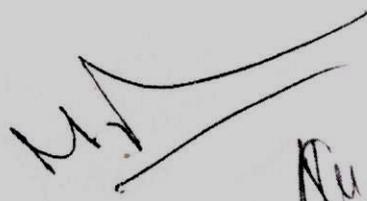
The department has strong alumni feed back.
The industry rates the department highly.
The members met the students and found that
they are happy with teaching and the facilities.



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6. Additional Points not covered above, related to department

1. The committee felt that new subjects like Finance, project management should be introduced to the curriculum, in order to diversify and to encourage students in entrepreneurship and start ups.
2. To attract more research scholars in the department students of different disciplines should be encouraged.
3. The non-teaching staff requested for training in basic electronics, earthing and leakage protection of equipment and in modern surveying equipment.
4. The video conferencing facility can be used for lectures from Industry experts.

27/11/17
20/11/17

Visvesvaraya National Institute Of Technology, Nagpur,
Maharashtra state, India
National Institutional Ranking Framework

Departmental Academic Audit Report

Year: 2017-18

Name of the Department- *Mining Engineering*

The Departmental Academic Audit was carried out by the duly formed committee on 4-9-2018 and the final report is presented herewith.

Sr. No.	Heads of Audit	Final Report & Comments
1	Teaching & learning Processes	Adequately good process with development of virtual classroom. Curriculum is well designed but needs to be revised. Faculty appears to be experienced & talented. The merits of virtual classroom may be further harnessed to hold global connections & knowledge.
2	Research & Facilities, Professional Activities, Collaborative Performance	Good research & facilities are existing. Good industry - institute collaboration. Satisfactory consultancy & outreach program. However, R&D projects funded by industry or Govt funding agencies needs to be improved.
3.	Graduation Outcome	Placement needs vital improvement. Research oriented training may be suitably incorporated in the B.Tech. program. In M.Tech. program a couple of relevant courses be introduced and, also, suitable field exposure be given to PG students.
4.	Outcome and Inclusivity	Good outreach, collaboration with industry & contemporary depts. at National & International level. National Seminar needs to be organized for better enhanced outreach.
5.	Perception	The department has grown reputation over years.
6.	Any additional Remark.	The laboratories need larger space vis-à-vis the growing needs of labs in forthcoming years. Placement needs special thrust.

* Please attach additional sheets if required

Members From Academics

1. *[Signature]*

Prof. Piyush Rai
I.T. (BITD), Varanasi

2. *[Signature]*
Dr Manoj Pradhya
NIT, Raipr

Members From Industries/Research

1. *[Signature]*
Dr. G. G. Manekar
Sr. DGM (MIL),

2. *[Signature]*
S. R. Talankar
Dy GM (Min), W
Nagpur.

**Visvesvaraya National Institute Of Technology, Nagpur,
Maharashtra state, India
National Institutional Ranking Framework**

Departmental Academic Audit Report

Year: 2018-19

Name of the Department- *Mining Engineering*

The Departmental Academic Audit was carried out by the duly formed committee on 28.8.19 and the final report is presented herewith.

Sr. No.	Heads of Audit	Final Report & Comments
1	Teaching & Learning Processes	<ol style="list-style-type: none"> Utilisation of Smart Class room is highly appreciated. Reduction of training period from 3 to 2 months @ recommendations. Academic Curriculum may further revised as per the present need of the industry; Land acquisition, Forest/Environment Clearar. Recent developments in IoT, Robotics, Automation may be incorporated in the syllabus.
2	Research & Facilities, Professional Activities, Collaborative Performance	<ol style="list-style-type: none"> Industry-Institute-Interaction (I²I) is observed to be very good with significant number of industry oriented projects. Attempts may be made to increase the number of R&D projects in collaboration with various institutes.
3.	Graduation Outcome	<ol style="list-style-type: none"> More than 20% improvement is observed in placement. Paid internship may be encouraged. Further improvement in placement may be explored including companies in diverse fields.
4.	Outcome and Inclusivity	Outreach programs - such as workshop, Seminars etc may be organised for improved visibility of the department. Labs may be further modernized.
5.	Perception	With existing expertise, and facilities, the department can take up future challenges.
6.	Any additional Remark.	On the whole, performance of the department is "Very good" . Gas Testing and Certification Centre may be established.

Members From Academics

1. *(Signature)* 28/8/19
(SINGAR JAYANTHU)

2. *(Signature)* 28/8/19
(Piyush Rai)

Members From Industries/Research

1. *(Signature)* 28/8/19
(Sachin Patil)

2. *(Signature)* 28/8/19
(SATISH R. GABALE
Chief manager (M)/En
Def

* Please attach additional sheets if required