NATIONAL BOARD OF ACCREDITATION

Pro-forma for Evaluation of Compliance Report for Tier I institutions

Profile of the Institute

1. **Name of the College:** Visvesvaraya National Institute of Technology, Nagpur

2. **Name of the program:** B.Tech (Mining Engineering)

3. **Current Accreditation period for which the compliance report is being submitted from 2019-20 to 2025-26**

Compliance Status – PART A

S.No.	Parameters	Minimum Requirement	Calculations	Remarks of the Evaluator (to be left blank)
1.	Attach the copy of the AICTE approval for the Current Academic Year	NA		
2.	Attach the copy of University Affiliations for the Current Academic Year (If Applicable)	NA		
3.	Whether HODs possess Ph.D. degrees for the programs under consideration	YES	YES	
4.	Admissions at the programme level average for the previous three academic years (including actual admission through lateral entry) for CAYm1, CAYm2 and CAYm3.	60%	% Admissions at first year level = (Students Admitted (including lateral entry)/ Total Students Intake) X 100 For the Academic Year (%) *CAYm3* (2017-18): 92.50 *CAYm2* (2018-19): 100 *CAYm1* (2019-20): 96 Average=96.17	

S.no.		Faculty Details of the Department (UG+PG):						
5.		**Faculty Details of the Department (UG+PG):**						

S.no.	Designation	CAYm1 2019-20		With out PhD.	CAY 2020-21		With out PhD.	Remarks of the Evaluator (to be left blank)
		With PhD.			With PhD.			
		Regular	Contra-ctual		Regular	Contra-ctual		
5a.	**Professors**	3.0	0.0	0.0	3.0	0.0	0.0	
5b.	**Associate Professors**	1.0	0.0	0.0	0.0	0.0	0.0	
5c.	**Assistant Professors**	4.0	1.0	0	5.0	1.0	0.0	
5d.	**Total number of Faculty in the Department (UG+PG)**	8.0	1.0	0	8.0	1.0	0.0	

6.	**SFR Calculations**

S.no.	Parameter	Calculations	Minimum Requirement	Academic Year			Remarks of the Evaluator (to be left blank)
				CAYm2 2018-19	CAYm1 2019-20	CAY 2020-21	
6a.	**Total number of sanctioned intake at UG + Actual admitted lateral entry students+ PG level for the previous three academic years including current academic year**	* Total No. of Students in the Department **(S)** = UG1 + UG2+UGn + PG1 + PGm	-	160	170	180	
	* Students of all UG Programs from 2nd years onwards						
6b.	**The student faculty ratio (SFR) in the department averaged for previous three academic years including the current academic year.**	SFR = S/F, Where **S=** Total number of students in the dept. and **F=** total number of faculty in the dept.	**1:25**	15.48	16.45	15.88	

S.No.	Parameters	Calculations	Prior to the Visit	After the visit	Remarks of the Evaluator (to be left blank)
7	**Improvement in success rate <u>without backlog</u> for past three batches**	*SI= (Number of students who have graduated from the program without backlog)/(Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)* ***Average SI =*** *mean of Success Index (SI) for past three batches*	**Year of Entry: 2010-11** **No of student:19** **Year of Grad: 2013-14** **No of student: 14** **Success rate: 0.74** **Year of Entry: 2011-12** **No of student: 31** **Year of Grad: 2014-15** **No of student: 24** **Success rate: 0.77** **Year of Entry: 2012-13** **No of student: 30** **Year of Grad: 2015-16** **No of student: 28** **Success rate: 0.93**	**Year of Entry: 2015-16** **No of student: 32** **Year of Grad: 2018-19** **No of student: 31** **Success rate: 0.97** **Year of Entry: 2016-17** **No of student: 26** **Year of Grad: 2019-20** **No of student: 21** **Success rate: 0.81** **Year of Entry: 2017-18** **No of student: 37** **Year of Grad: 2020-21** **No of student: 30** **Success rate: 0.81**	
8	**Improvement in success rate <u>with backlog</u> for past three batches**	*SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and admitted in 2nd year via lateral entry and separate division, if applicable)* ***Average SI =*** *mean of Success Index (SI) for past three batches*	**Year of Entry: 2010-11** **No of student:19** **Year of Grad: 2013-14** **No of student: 05** **Success rate: 0.26** **Year of Entry: 2011-12** **No of student: 31** **Year of Grad: 2014-15** **No of student: 07** **Success rate: 0.22** **Year of Entry: 2012-13** **No of student: 30** **Year of Grad: 2015-16** **No of student: 02** **Success rate: 0.07**	**Year of Entry: 2015-16** **No of student: 32** **Year of Grad: 2018-19** **No of student: 1** **Success rate:0.03** **Year of Entry: 2016-17** **No of student: 26** **Year of Grad: 2019-20** **No of student: 5** **Success rate: 0.19** **Year of Entry: 2017-18** **No of student: 37** **Year of Grad: 2020-21** **No of student: 3** **Success rate: 0.08**	

S.No.	Parameters	Calculations	Prior to the Visit	After the visit	Remarks of the Evaluator (to be left blank)
9	**Improvement in Academic Performance for the previous three years**	***Academic Performance** = Average API (Academic Performance Index)* ***API** = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) x (number of successful students/number of students appeared in the examination). Successful students are those who are permitted to proceed to the Third year.*	Academic year: 2015-16 API: 7.14 Academic year: 2014-15 API: 7.06 Academic year: 2013-14 API: 6.84 **Average API: 7.02**	CAY: 2020-21 API: 7.38 CAYm1: 2019-20 API: 6.61 CAYm2: 2018-19 API: 6.95 CAYm3: 2017-18 API: 6.74 **Average API: 6.92**	
10	**The Placement +Higher Studies+ Entrepreneurship ratio averaged for previous three academic years.**	Academic year: 2015-16 Z:23 N:30 **PI: 0.76** Academic year: 2014-15	**The Placement +Higher Studies+ Entrepreneurship Ratio = Z/N** **Where,** **Z =**No. of students Placed + No. of students admitted for higher studies with valid qualifying scores in GATE or equivalent State or National Level Tests, GRE, GMAT + opted Entrepreneurship **N=**No. of Students appeared in final year examination **For the Academic years:** CAYm3: 2017-18 Z:19 N:26 **PI:0.73** CAYm2: 2018-19 Z:30	

		Z:22 N:31 **PI: 0.70**	N:30 **PI: 1.00**
		Academic year: 2013-14 Z:9 N:19 **PI: 0.47**	CAYm1: 2019-20 Z:14 N:36 **PI: 0.38**
		Average =0.64	**Average =0.70**

Compliance status – PART B (Faculty Research and Development)

S.No.	Criteria	Prior to the Accreditation Visit	After the Accreditation Visit	Remarks of the Evaluator (to be left Blank)
1	**Improvement in the number of Faculty Development program (FDP)**	NIL	Department has conducted Workshops:03 National seminar:01	
2	**Improvement in the number of Publications**	Academic year: 2015-16 20 Academic year: 2014-15 15 Academic year: 2013-14 20	**Publication includes in SCI/ SCOPUS/Non-SCI & SCOPUS conference only** Academic year: 2016-17: No of publication:18 Academic year: 2017-18: No of publication:17 Academic year: 2018-19: No of publication:17 Academic year: 2019-20: No of publication:09 Academic year: 2020-21: No of publication:22	
3	**Quality of Publications**	a. **No. of papers in Non SCI SCI/ESCI SCOPUS IEEE conference/IET Conferences Books Book's chapter** Data not available b. **Patent/ copyrights** : Nil	No. of papers in Non SCI:07 SCI/ESCI :26 SCOPUS:30 IEEE conference/IET Conferences Scopus conference: 16 Books: 01 Book's chapter:08 **Patent:** Granted : 02 Filed/Published: 03 copyrights: Nil	
4	**Amount of funded research received**	**39.25 lac**	**2.61 Cr**	
5	**Amount of funded consultancy**	**8.53 lac**	**1.32 Cr**	
6	**Number of Ph.D Produced**	**04**	**01 (Submitted)**	
7	**Number of Ph.D Pursuing**	**02**	**13**	

Compliance status – PART C (Overall Compliances)

S.No.	Parameter	Criteria	Observations	Remarks of the Evaluator (to be left blank)
1	Observations on the overall compliance to the deficiencies mentioned by the previous visiting team	Criteria 1.1.3 (Process for defining vision and mission of the department)	More clarity is required for defining processes. - **Complied**	
		Criteria 1.2.4 (Process for establishing the PEOs)	Process for establishing the PEOs is inadequate - **Complied**	
		Criteria 1.4.1 (Tools & processes used in assessment of the attainment of the PEOs)	Tools are inadequate - **Complied**	
		Criteria 1.4.2 (Evidences for the attainment of the PEOs)	Evidences are insufficient - **Complied**	
		Criteria 1.5 (Result of assessment of achievement of PEOs used for redefining PEOs)	Need more use in redefining the PEOs - **Complied**	
		Criteria 2.1.4 (POs alignment with NBA graduate attributes)	POs alignment with NBA attribute need more content - **Complied**	
		Criteria 2.2.3 (Indication of tools used to assess the impact of delivery of course/ course content contribute towards the attainment of COs/POs)	Tools are inadequate - **Complied**	
		Criteria 4.4.2 (Organization of paper contest, design contest etc and achievements)	Organization of contest are inadequate - **Complied**	
		Criteria 4.4.4 (Entrepreneurship initiatives, product design and innovations)	Entrepreneurship is inadequate - **Complied**	
		Criteria 4.4.5 (Publications and awards in inter-institutes invents by students of the program of study)	More participation of students is required - **Complied**	
		Criteria 5.1 (Student teacher ratio)	Total number of faculty available is very low for the UG programme and contractual faculty is very high for the program - **Complied**	
		Criteria 5.3 (Faculty qualification)	Improvement if required - **Complied**	
		Criteria 5.5 (Faculty as participants/resource person in faculty development/ training activities)	More contribution is expected - **Complied**	
		Criteria 5.7 (Faculty research publications)	Research publications needs improvement - **Complied**	
		Criteria 5.8 (Faculty intellectual property rights)	Needs methods to encourage IPR - **Complied**	

Criteria 5.9 (Faculty R&D and consultancy (FRDC) work)	No of research projects are not enough - **Complied**
Criteria 5.10 (Faculty interaction with outside world)	More exposure is required in out world - **Complied**
Criteria 6.2 (Faculty rooms)	Small cabins are provided to each faculty - **Complied**
Criteria 7.1.1 (Assessment of first year student teacher ratio)	STR needs improvement - **Complied**
Criteria 7.1.2 (Assessment of faculty qualification teaching first year common courses)	Faculty should be inspire to acquire Ph.D - **Complied**
Criteria 7.2.5 (Generation of self-learning facilities and availability of materials for learning beyond syllabus)	Facility for self-learning is inadequate - **Complied**
Criteria 7.2.8 (Games and sports facilities and qualified sports instructor)	Games & sports need more facility and participation of students - **Complied**
Criteria 8.1(Campus infrastructure and facility)	Insufficient hostel facility - **Complied**
Criteria 9.3 (Improvement in student teacher ratio)	STR needs improvement - **Complied**

Compliance status to Compliance Report-Tier I Institutions

S.N.	Pre Visit Qualifiers (Average of Assessment years)	Requirement for 3 years	YES/NO	Requirement for 6 years	YES/NO
1	Admissions in the undergraduate programs under consideration including students admitted through lateral entry (average of the previous three academic years CAYm1, CAYm2 and CAYm3)	60%		75%	YES (Average=96.17)
2	Faculty student ratio in the department under consideration (Averaged over previous three Academic years including Current Academic Year.)	1:25		1:20	YES (Average=15.93)
3	At least two Professors or one Professor and one Associate Professor on regular basis with Ph.D. degree should be available in the respective Department for previous two years (including Current Academic Year).	YES		YES	YES (3 Professor)
4	Number of available Ph.Ds. in the department (Averaged for previous two academic years including Current Academic Year.)	20%		30%	YES (100%)
5	Whether HODs possess Ph.D. degrees for the programs under consideration	YES		YES	YES

संकायाध्यक्ष(शैक्षिक)/Dean(Acd.)
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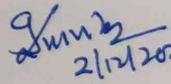
2/12/2021

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