

Criterion 4

CRITERION 4	STUDENTS' PERFORMANCE	Max. Marks: 100 Claimed: 76
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4.1 ENROLMENT RATIO (20)

Item (Information to be provided Cumulatively for all the shifts with Explicit headings, wherever Applicable)	CAY 2020- 2021	CAYm1 2019- 2020	CAYm2 2018-2019
Sanctioned intake of the program (<i>N</i>)	183	157	136
Total number of students admitted in first year <i>minus</i> number of students migrated to other programs/institutions plus no. of students migrated to this program (<i>N1</i>)	176	142	130
Number of students admitted in 2nd year in the same batch via lateral entry (<i>N2</i>)	0	0	0
Separate division students, if applicable (<i>N3</i>)	0	0	0
Total number of students admitted in the Program (<i>N1 + N2 + N3</i>)	174	142	130

Table B.4a

CAY – Current Academic Year

CAYm1- Current Academic Year minus1= Current Assessment Year

CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1

LYG – Last Year Graduate

LYGm1 – Last Year Graduate minus 1

LYGm2 – Last Year Graduate minus 2

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Year of Entry	N1+N2+N3 (As defined above)	Number of students who have successfully graduated without backlogs in any semester/year of study (Without Backlog means no compartment or failures in any semester/year of study)			
		I Year	II Year	III Year	IV Year
CAY (2020-2021)	176				
CAYm1 (2019-2020)	142	75			
CAYm2 (2018-2019)	130	70	77		
CAYm3 (2017-2018)	105	50	74	70	
CAYm4 (LYG) (2016-2017)	76	51	57	58	63
CAYm5 (LYG m1) (2015-2016)	109	68	70	77	89
CAYm6 (LYG m2) (2014-2015)	118	109	86	80	104

Table B.4b

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Year of Entry	N1+N2+N3 (As defined above)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I Year	II Year	III Year	IV Year
CAY (2020-2021)	176				
CAYm1 (2019-2020)	142	142			
CAYm2 (2018-2019)	130	130	128		
CAYm3 (2017-2018)	105	105	105	105	
CAYm4 (LYG) (2016-2017)	76	76	76	75	75
CAYm5 (LYG m1) (2015-2016)	109	109	109	109	109
CAYm6 (LYG m2) (2014-2015)	118	118	118	118	118

Table B.4.1c

Enrolment Ratio = Average of Total students admitted in the 1st year / Sanctioned intake of program for the previous 3 academic years including Current Academic Year (CAY)

	N (From Table 4.1)	N1(From Table 4.1)	Enrolment Ratio
2020- 2021	183	176	96.2
2019- 2020	157	142	90.4
2018-2019	136	130	95.6

Table B.4.1

Average = [(ER1 + ER2 + ER3)/3]: 94.1

Assessment: 20

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4.2. Success Rate in the stipulated period of the program (13.2)

4.2.1. Success rate without backlogs in any semester/year of study (8.3)

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

Item	Latest Year of Graduation, LYG(CAYm4) 2016-2017	Latest Year of Graduation minus 1, LYGm1,(CAYm5) 2015-2016	Latest Year of Graduation minus 2, LYGm2,(CAYm6) 2014-2015
X Number of students admitted in the corresponding First Year + admitted in 2 nd year via lateral entry and separate division, if applicable	76	109	118
Y Number of students who have graduated without backlogs in the stipulated period	42	54	71
Success Index (SI=Y/X)	0.553	0.5	0.602

Table B.4.2.1

Average SI [(SI1 + SI2 + SI3) / 3]: 0.552

Success rate without backlogs in any year of study = 15 [Average SI] = 15 X 0.552 = **8.3**

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4.2.2 Success rate with backlog in stipulated period (actual duration of the programme) (4.9)

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.

Item	Latest Year of Graduation, LYG(CAYm4) 2016-2017	Latest Year of Graduation minus1, LYGm1,(CAYm5) 2015-2016	Latest Year of Graduation minus2, LYGm2,(CAYm6) 2014-2015
X Number of students admitted In the corresponding First Year + admitted in 2 nd year via Lateral entry and separate division, if applicable	76	109	118
Y Number of students who have graduated in the stipulated period	71	109	117
Success Index (SI=Y/X)	0.934	1.000	0.992

Table B.4.2.2

Average SI [(SI1 + SI2 + SI3) / 3]: 0.975

Success rate = 5 x Average SI = 5 X 0.975 = **4.9**

4.3. Academic Performance in Second Year (5.3)

Academic Performance Level = Average API (Academic Performance Index)

API = ((Mean of 2ndYear 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.

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Academic Performance	CAYm4 (2016-2017)	CAYm5 (2015-2016)	CAYm6 (2014-2015)
Mean of CGPA or Mean Percentage of all successful students (X)	7.63	7.43	7.42
Total no. of successful students (Y)	57	70	86
Total no. of students appeared in the examination (Z)	76	109	118
API = x* (Y/Z)	5.72	4.77	5.41
Average API [(AP1 + AP2 + AP3)/3]	(5.72+4.77+5.41)/3 = 5.3		

Table B.4.3

4.4. Placement, Higher Studies and Entrepreneurship (17.5)

Item	CAYm1 (2019-2020)	CAYm2 (2018-2019)	CAYm3 (2017-2018)
Total No. of Final Year Students (N)	75	109	118
No. of students placed in companies or Government Sector (X)	39	45	46
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (Y)	8	17	17
No. of students turned entrepreneur in engineering/technology (Z)	0	0	0
X+Y+Z	47	62	63
Placement Index: (X + Y + Z)/N	0.63	0.57	0.55

Table B.4.4

Average placement [(P1 + P2 + P3)/3]: 0.583

Assessment [30 × average placement]: 17.5

4.5 Professional Activities (20)

4.5.1 Professional societies / chapters and organizing engineering events (05)

(Instruction: The institution may provide data for past three years).

A. TechVeganza (Annual Technical Event)

2017-2018

1. 'TechVeganza' Spring 2017

Name of Event: RESER-WHERE--

This event was about construction of masonry reservoir whose capacity should be 120 liters. It was a team event and each team comprised of 2 or 3 members.

Name of Event: THE ESTIMATER

As this event was based on the estimation skills and observation power which is the basic need in civil engineering, it judged the estimating ability of the participants for better accuracy and precision.

The final round judged the accuracy and speed of the engineers in various fields like traffic engineering and logistics while testing their mental strength and sharpness in different situations.

Name of Event: TRUSS-O-MANIAC

The competition was to check the creativity and technical knowledge of the participants, they will be asked to build a truss. It tests the students' theoretical knowledge and how effectively they can use it to build and give life to practical working models. Drawing or designing (isometric and elevation) with proper dimensioning on a paper under the surveillance of the organizing team.

2018-2019

1. Techvaganza Spring 2018

Name of Event: BRIDGE THE GORGE

PURPOSE: to bring your own innovative bridge model and create a revolution in field of civil engineering.

THEME: Bridges are one of the most useful and magnificent structures of the modern civilization. With ever-improving designs, bridges carry loads of immense magnitude and nature and are also expected to handle incidental loads due to natural calamities.

Name of Event: FILTER THE LITTER

Participants in the event were subjected to a challenge to make a sand filter that can clean translucent water to make it look transparent with naked eyes. Such a sand filter must filter water at fastest rate to be itself best of the rest

Name of Event: KONSTRUKTOR

Civil engineering nurtures upon innovations pertaining sustainable development alongside this technocratic world. Eradicate your anxiety and construct any civil

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engineering model which will be admired by others. This competition was to test the creativity, dexterity and aesthetic sense of the participants.

2. A Planning Competition: College Planning

Planners share a belief that something can be done about improving and maintaining our human-made and natural environments. The purpose of this event is to develop an appreciation of the role of proper planning in avoiding chaotic and destructive consequences of random construction methods.

2019-2020

1. Techvaganza Spring 2019.

One week workshop on Water Conservation Management From 30th July'19 to 3rd August'19

2020-2021

1. Short term online courses conducted

1. Course on “Advances in Geotechnical Engineering” from 26th September 2020 to 30th September 2020
2. Course on “Software Applications in Civil Engineering” from 26th October 2021 to 30th October 2021
3. Course on Remote Sensing Applications in Groundwater Extraction Measurements” from 11th January 2021 to 14th January 2021
4. Course on “Advances in Structural Engineering” from 15th February 2021 to 19th February 2021
5. Machine Learning and It's Applications to Civil Engineering (02/11/2020 – 06/11/2020)
6. Flood Management with Focus on Jhelum Basin (08/07/2019 – 12/07/2019)

B. National Service Scheme (NSS)

The students attended many camps and conducted various activities with regard to NSS during 2017-18, 2018-19 and 2019-20.

4.5.2 Publication of technical magazines, newsletters, etc. (05)

1. NIT Srinagar annual college magazine (SABZAR 2017-18, 2018-19 & 2019-20)
2. Student publications in journals/conference proceedings

4.5.3 Participation in inter-institute events by students of the program of study (10)

1. E-summit (organized by IIT Bombay) / Students from the department participated in the event.
2. The students participated in inter institute camps and sports during 2017-18, 2018-19 and 2019-20.