

<b>CRITERION 5</b>	<b>Faculty Information and Contributions</b>	<b>195.30</b>
--------------------	--	---------------

**5.1 Student-Faculty Ratio (SFR) (20/20)**

No. of UG programs in the department (n) = 1

No. of PG programs in the department (m) = 2

u1: No. of students in UG 2<sup>nd</sup> year

u2: No. of students in UG 3<sup>rd</sup> year

u3: No. of students in UG 4<sup>th</sup> year

p1: No. of students in PG 1<sup>st</sup> year

p2: No. of students in PG 2<sup>nd</sup> year

No. of students = Sanctioned intake + Actual admitted lateral entry students

$$UG = u1 + u2 + u3$$

$$PG1 = p1 + p2$$

$$PG2 = p1 + p2$$

$$S = UG + PG$$

$$SFR = S / F$$

Year	CAY	CAYm1	CAYm2
<b>u1</b>	97	85	77
<b>u2</b>	85	77	77
<b>u3</b>	77	77	77
<b>UG</b>	<b>259</b>	<b>239</b>	<b>231</b>
<b>p1</b>	25	25	25
<b>p2</b>	25	25	25
<b>PG1</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>p1</b>	25	25	25
<b>p2</b>	25	25	25
<b>PG2</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>S</b>	<b>359</b>	<b>339</b>	<b>331</b>
<b>F</b>	<b>21</b>	<b>25</b>	<b>23</b>
<b>SFR</b>	<b>17.09</b>	<b>13.56</b>	<b>14.39</b>
Average SFR	<b>15.01 ≈ 15</b>		
Assessment	<b>20</b>		

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in the department	Total number of contractual faculty in the department
<b>CAY</b>	22	Nil
<b>CAYm1</b>	20	06
<b>CAYm2</b>	20	06

**5.2 Faculty Cadre Proportion (20/20)**

RF: No. of faculty required to comply with 20:1 Student-Faculty Ratio based on number of students as per 5.1

Year	No. of Students (S)	No. of Faculty Required (RF) as per 20:1, S:F ratio
<b>CAY</b>	359	17.95
<b>CAYm1</b>	339	16.95
<b>CAYm2</b>	331	16.55

The Reference Faculty Cadre Proportion is RF1:RF2: RF3 = 1:2:6

RF1: No. of Professors required (= RF x 1/9)

RF2: No. of Associate Professors required (=RF x 2/9)

RF3: No. of Assistant Professors required (=RF x 6/9)

Year	Professors		Associate Professors		Assistant Professors	
	Required (RF1)	Available (AF1)	Required (RF2)	Available (AF2)	Required (RF3)	Available (AF3)
<b>CAY</b>	1.99	6	3.98	5	11.94	11
<b>CAYm1</b>	1.88	6	3.76	5	11.28	15
<b>CAYm2</b>	1.84	6	3.68	5	11.03	13

<b>Average Numbers</b>	1.90	6	3.80	5	11.41	13
------------------------	------	---	------	---	-------	----

<p>Cadre Ratio Marks</p> $\left( \left( \frac{AF1}{RF1} \right) + \left( \frac{AF2}{RF2} \right) \times 0.6 + \left( \frac{AF3}{RF3} \right) \times 0.4 \right) \times 10$ $(3.16 + 0.789 + 0.456) \times 10 = 44.02$	<b>Assessment 20</b>
---	----------------------

**5.3 Faculty Qualification (20)**

- X: No. of regular faculty with Ph.D.
- Y: No. of regular faculty with M. Tech.
- RF: Faculty required as calculated in 5.2

	<b>X</b>	<b>Y</b>	<b>RF</b>	<b>Assessment</b> <b>2 x (10X + 4Y)/RF</b>
<b>CAY</b>	22	0	17.95	24.51
<b>CAYm1</b>	20	6	16.95	26.43
<b>CAYm2</b>	20	6	16.55	27.07
<b>Average Assessment</b>				<b>26</b>
<b>Assessment</b>				<b>20</b>

**5.4 Faculty Retention**

**(10/10)**

- No. of regular faculty members in CAY(2020-21) =22
- No. of regular faculty members in CAYm1(2019-20) =20
- No. of regular faculty members in CAYm2(2018-19) =20

CAY = 22

Percentage of faculty retained during the period of three academic years ≥ 90%

<b>Assessment</b>	<b>10</b>
-------------------	-----------

5.5 Faculty Competencies in Correlation to Program Specific Criteria

(10/10)

CAY 2020-21

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No"))	Nature of Association (Regular/ Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years		
<b>Prof. N. A. Sheikh</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-03-2004	Faculty	Professor	18-09-2013	10-04-1987	MED	Aircraft wing vibration, Smart Structures, Finite Elements.	9	3	-	Y	Regular
<b>Prof. M.F.Wani</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	02-06-1999	Faculty	Professor	29-12-2007	15-08-1985	MED	Tribology, Nano Tribology, Life Cycle Engineering	72	7	-	Y	Regular
<b>Prof. G.A. Harmain</b>	Ph.D. (Mechanical Engineering)	University of Victoria, Canada	28-05-1997	Faculty	Professor	01-07-2008	19-03-1987	MED	Computational Mechanics, FEM, Thermo elasticity and Second Sound, Fracture Mechanics and	63	6	-	Y	Regular

## Criterion 5 | 2021

									Material Fatigue					
<b>Prof. Adnan Qayoum</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-08-2012	Faculty	Professor	18-09-2013	27-12-1993	MED	Experimental Fluid Mechanics, Heat Transfer Augmentation, Design of Thermal Systems	25	1	-	Y	Regular
<b>Prof. M. Marouf Wani</b>	PDF, Ph.D. (Mechanical Engineering)	Queen's University UK; IIT Delhi	13-08-2005	Faculty	Professor	18-09-2013	19-03-1987	MED	Internal Combustion Engines, Combustion of Alternative fuels, Emission control.; CFD Applications in I C Engines	8	1	-	Y	Regular
<b>Prof. Babar Ahmad</b>	Ph.D. (Mechanical Engineering)	IISc Bangalore	19-06-2012	Faculty	Professor	18-09-2013	01-03-1992	MED	Haptics and Control, MEMS, Ultrasonic Transducers	8	07 (in progress)	-	Y	Regular
<b>Dr. Mohammad Hanief</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	28-09-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Wear modeling, Materials, Tribology	20	-	Y	Y	Regular
<b>Dr. M. S. Charoo</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	12-08-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Nano lubrication, Materials, Tribology	36	-	Y	Y	Regular

## Criterion 5 | 2021

<b>Dr. Anjana Kak</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	27-04-2001	Faculty	Associate Professor	01-07-2006	29-07-1988	MED	Project Management, Quality Control	-	-	-	Y	Regular
<b>Dr. Saad Parvez</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	13-07-2018	Faculty	Associate Professor	01-07-2011	16-01-1996	MED	Industrial Engineering, Project Management, Quality Control, Decision Making	6	-	Y	Y	Regular
<b>Dr. Sheikh Shahid Saleem</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	04-06-2018	Faculty	Associate Professor	01-07-2011	01-04-1996	MED	Tribology, Bio-tribology, Friction Materials	22	08 in Progress	Y	Y	Regular
<b>Dr. M. Mursaleen</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	23-05-2018	Faculty	Assistant Professor	-	23-03-2000	MED	Smart Structures, Mathematical Modeling,	24	4 in progress	Y	Y	Regular
<b>Mr. Ved Prakash Sharma</b>	B. Tech., Registered for Ph.D. at IIT-Delhi	BIET Jhansi	15-07-2014	Faculty	Trainee Teacher	-	11-01-2016	MED	Fracture Mechanics, Microelectronic Packaging.	-	-	-	Y	Regular
<b>Dr. Mukund Dutt Sharma</b>	Ph.D. (Mechanical Engineering)	NIT Hamir pur	30-08-2016	Faculty	Assistant Professor	-	01-11-2018	MED	Tribology, Machining, Optimization and Modelling	4	-	Y	Y	Regular
<b>Dr. Noor Zaman Khan</b>	Ph.D. (Mechanical Engineering)	JMI Delhi	12-2017	Faculty	Assistant Professor	-	22-10-2018	MED	Frictio Stir Welding, Friction Stir Processing, Machining,	16	-	Y	Y	Regular

## Criterion 5 | 2021

									Optimization					
<b>Dr. M. Mohsin Khan</b>	Ph.D. (Mechanical Engineering)	MANIT Bhopal	02-07-2017	Faculty	Assistant Professor	-	26-10-2018	MED	Composite Materials	4	-	Y	Y	Regular
<b>Dr. Harveer Singh Pali</b>	Ph.D. (Thermal Engineering & Renewable Energy)	Delhi Technological University, Delhi	8-12-2016	Faculty	Assistant Professor	-	25-10-2018	MED	Utilization of Biofuel/Alternative Fuels in IC Engines. Renewable Energy and Thermal Energy Systems	14	-	-	Y	Regular
<b>Dr. Abhijit Dey</b>	Ph.D. (Mechanical Engineering)	NIT Silchar	24-01-2018	Faculty	Assistant Professor	-	11-12-2018	MED	Machinability of Metal Matrix Composites; Materials Characterizations	6	-	Y	Y	Regular
<b>Dr. Manoj Kumar</b>	Ph.D. (Mechanical Engineering)	NIT Kurukshetra	04-11-2016	Faculty	Assistant Professor	-	12-13-2018	MED	Desiccant Materials, Low and Medium Temperature Applications	1	-	Y	Y	Regular
<b>Dr. Sandeep Rathee</b>	PDF, Ph.D. (Mechanical Engineering)	IIT Delhi, Faculty of Technology,	15-11-2018	Faculty	Assistant Professor	-	16-03-2021	MED	Additive Manufacturing, Friction Stir Welding/ Processing, Metal Matrix		-	-	Y	Regular

## Criterion 5 | 2021

		University of Delhi							Composites, Advanced Hybrid Manufacturing					
<b>Dr.Dinesh Kumar R</b>	PDF, Ph.D. (Mechanical Engineering)	IIT Guwahati, NIT Trichy	04-06-2019	Faculty	Assistant Professor	-	18-03-2021	MED	Production Engineering, Underwater Welding, Friction Stir Welding/ Processing, Wire Arc Additive Manufacturing, CNC		-	-	Y	Regular
<b>Dr.Deepak Kumar Naik</b>	Ph.D. (Mechanical Engineering)	NIT Rourkela	22-02-2019	Faculty	Assistant Professor	-	22-03-2021	MED	Manufacturing Technology		-	-	Y	Regular

### CAYm1 (2019-20)

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor or/ Associate Profess	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is	Nature of Association (Regular/ Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years		

## Criterion 5 | 2021

						or							(“No”)	
<b>Prof. M.F.Wani</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	02-06-1999	Faculty	Professor	29-12-2007	15-08-1985	MED	Tribology, Nano Tribology, Life Cycle Engineering	72	7	-	Y	Regular
<b>Prof. N. A. Sheikh</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-03-2004	Faculty	Professor	18-09-2013	10-04-1987	MED	Aircraft wing vibration, Smart Structures, Finite Elements.	9	3	-	Y	Regular
<b>Prof. G.A. Harmain</b>	Ph.D. (Mechanical Engineering)	University of Victoria, Canada	28-05-1997	Faculty	Professor	01-07-2008	19-03-1987	MED	Computational Mechanics, FEM, Thermo elasticity and Second Sound, Fracture Mechanics and Material Fatigue	63	6	-	Y	Regular
<b>Prof. Adnan Qayoum</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-08-2012	Faculty	Professor	18-09-2013	27-12-1993	MED	Experimental Fluid Mechanics, Heat Transfer Augmentation, Design of Thermal Systems	25	1	-	Y	Regular
<b>Prof. M. Marouf Wani</b>	PDF, Ph.D. (Mechanical Engineering)	Queen's University UK; IIT Delhi	13-08-2005	Faculty	Professor	18-09-2013	19-03-1987	MED	Internal Combustion Engines, Combustion of Alternative fuels, Emission control.; CFD Applications in I C Engines	8	1	-	Y	Regular
<b>Prof. Babar</b>	Ph.D. (Mechanical Engineering)	IISc Banga	19-06-	Faculty	Professor	18-09-	01-03-	MED	Haptics and Control, MEMS, Ultrasonic	8	07 (in progr	-	Y	Regular

## Criterion 5 | 2021

<b>Ahmad</b>	Engineering)	lore	2012			2013	1992		Transducers		ess)			
<b>Dr. Moham mad Hanief</b>	Ph.D. (Mechanical Engineering)	NIT Srinag ar	28-09- 2016	Faculty	Associate Professor	09-10- 2018	24-03- 2000	MED	Wear modeling, Materials, Tribology	20	-	Y	Y	Regular
<b>Dr. M. S. Charoo</b>	Ph.D. (Mechanical Engineering)	NIT Srinag ar	12-08- 2016	Faculty	Associate Professor	09-10- 2018	24-03- 2000	MED	Nano lubrication, Materials, Tribology	36	-	Y	Y	Regular
<b>Dr. Anjana Kak</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	27-04- 2001	Faculty	Associate Professor	01-07- 2006	29-07- 1988	MED	Project Management, Quality Control	-	-	-	Y	Regular
<b>Dr. Saad Parvez</b>	Ph.D. (Mechanical Engineering)	NIT Srinag ar	13-07- 2018	Faculty	Associate Professor	01-07- 2011	16-01- 1996	MED	Industrial Engineering, Project Management, Quality Control, Decision Making	6	-	Y	Y	Regular
<b>Dr. Sheikh Shahid Saleem</b>	Ph.D. (Mechanical Engineering)	NIT Srinag ar	04-06- 2018	Faculty	Associate Professor	01-07- 2011	01-04- 1996	MED	Tribology, Bio- turbology, Friction Materials	22	08 in Progr ess	Y	Y	Regular
<b>Dr. M. Mursale en</b>	Ph.D. (Mechanical Engineering)	NIT Srinag ar	23-05- 2018	Faculty	Assistant Professor	-	23-03- 2000	MED	Smart Structures, Mathematical Modeling,	24	4 (in progr ess)	Y	Y	Regular
<b>Dr. Majid H Koul*</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	12-06- 2015	Faculty	Assistant Professor	-	01-11- 2018	MED	Haptics, Robotics, Multibody Dynamics, Mechatronics	4	-	-	Y	Regular

## Criterion 5 | 2021

<b>Mr. Ved Prakash Sharma</b>	B. Tech., Registered for Ph.D. at IIT- Delhi	BIET Jhansi	15-07- 2014	Faculty	Trainee Teacher	-	11-01- 2016	MED	Fracture Mechanics, Microelectronic Packaging.	-	-	-	Y	Regular
<b>Dr. Mukund Dutt Sharma</b>	Ph.D. (Mechanical Engineering)	NIT Hamir pur	30-08- 2016	Faculty	Assistant Professor	-	01-11- 2018	MED	Tribology, Machining, Optimization and Modelling	4	-	Y	Y	Regular
<b>Dr. Noor Zaman Khan</b>	Ph.D. (Mechanical Engineering)	JMI Delhi	12-2017	Faculty	Assistant Professor	-	22-10- 2018	MED	Frictio Stir Welding, Friction Stir Processing, Machining, Optimization	16	-	Y	Y	Regular
<b>Dr. M. Mohsin Khan</b>	Ph.D. (Mechanical Engineering)	MANI T Bhopa l	02-07- 2017	Faculty	Assistant Professor	-	26-10- 2018	MED	Composite Materials	4	-	Y	Y	Regular
<b>Dr. Harveer Singh Pali</b>	Ph.D. (Thermal Engineering & Renewable Energy)	Delhi Techn ologic al Univer sity, Delhi	8-12- 2016	Faculty	Assistant Professor	-	25-10- 2018	MED	Utilization of Biofuel/Alternative Fuels in IC Engines. Renewable Energy and Thermal Energy Systems	14	-	-	Y	Regular
<b>Dr. Abhijit Dey</b>	Ph.D. (Mechanical Engineering)	NIT Silcha r	24-01- 2018	Faculty	Assistant Professor	-	11-12- 2018	MED	Machinability of Metal Matrix Composites; Materials	6	-	Y	Y	Regular

## Criterion 5 | 2021

									Characterizations					
<b>Dr. Manoj Kumar</b>	Ph.D. (Mechanical Engineering)	NIT Kurukshetra	04-11-2016	Faculty	Assistant Professor	-	12-13-2018	MED	Desiccant Materials, Low and Medium Temperature Applications	1	-	Y	Y	Regular
<b>Mr. Aman Hira*</b>	M. Tech (Mechanical Engineering)	Jabalpur Engineering College	06-02-2013	Faculty	Assistant Professor	-	10-04-2019	MED	Thermal Engineering	1	-	-	Y	Contract
<b>Mr. Mohammad Waheed Bhat*</b>	MTech, (Mechanical Engineering)	Lovely Professional University	07-2018	Faculty	Assistant Professor	-	18-3-2019	MED	Thermal Engineering	4	-	-	Y	Contract
<b>Ms. Zakia Hussain Wani*</b>	MS (Mechatronics)	IIU Malaysia	01-2019	Faculty	Assistant Professor	-	01-04-2019	MED	Robotics	4	-	-	Y	Contract
<b>Dr. Shuhaib Mushtaq*</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	27-06-2018	Faculty	Assistant Professor	-	08-08-2018	MED	Tribology, Design	17	-	Y	Y	Contract
<b>Dr. Kaleem</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	16-12-2017	Faculty	Assistant Professor	-	05-03-2018	MED		23	-	-	Y	Contract

## Criterion 5 | 2021

<b>Ahmad*</b>	Engineering)													
<b>Ms. Neelam Jehan Majeed*</b>	MS, (Mechanical Engineering)	Univer-siti Teknolo-gi Malaysia	30-01-2019	Faculty	Assistant Professor	-	15-03-2019	MED	Experimental Aerodynamics	1	-	-	Y	Contract

### CAYm2 (2018-19)

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No"))	Nature of Association (Regular/Contract)
	Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years		
<b>Prof. M.F.Wani</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	02-06-1999	Faculty	Professor	29-12-2007	15-08-1985	MED	Tribology, Nano Tribology, Life Cycle Engineering	72	7	-	Y	Regular
<b>Prof. N.A.</b>	Ph.D. (Mechanical)	IIT Kanpur	27-03-2004	Faculty	Professor	18-09-2013	10-04-1987	MED	Aircraft wing vibration, Smart Structures, Finite	9	3	-	Y	Regular

## Criterion 5 | 2021

Sheikh	Engineering)								Elements.					
<b>Prof. G.A. Harmain</b>	Ph.D. (Mechanical Engineering)	University of Victoria, Canada	28-05-1997	Faculty	Professor	01-07-2008	19-03-1987	MED	Computational Mechanics, FEM, Thermo elasticity and Second Sound, Fracture Mechanics and Material Fatigue	63	6	-	Y	Regular
<b>Prof. Adnan Qayoum</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-08-2012	Faculty	Professor	18-09-2013	27-12-1993	MED	Experimental Fluid Mechanics, Heat Transfer Augmentation, Design of Thermal Systems	25	1	-	Y	Regular
<b>Prof. M. Marouf Wani</b>	PDF, Ph.D. (Mechanical Engineering)	Queen's University UK; IIT Delhi	13-08-2005	Faculty	Professor	18-09-2013	19-03-1987	MED	Internal Combustion Engines, Combustion of Alternative fuels, Emission control.; CFD Applications in I C Engines	8	1	-	Y	Regular
<b>Prof. Babar Ahmad</b>	Ph.D. (Mechanical Engineering)	IISc Bangalore	19-06-2012	Faculty	Professor	18-09-2013	01-03-1992	MED	Haptics and Control, MEMS, Ultrasonic Transducers	8	07 (in progress)	-	Y	Regular
<b>Dr. Mohammad Hanief</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	28-09-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Wear modeling, Materials, Tribology	20	-	Y	Y	Regular

## Criterion 5 | 2021

<b>Dr. M. S. Charoo</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	12-08-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Nano lubrication, Materials, Tribology	36	-	Y	Y	Regular
<b>Dr. Anjana Kak</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	27-04-2001	Faculty	Associate Professor	01-07-2006	29-07-1988	MED	Project Management, Quality Control	-	-	-	Y	Regular
<b>Dr. Saad Parvez</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	13-07-2018	Faculty	Associate Professor	01-07-2011	16-01-1996	MED	Industrial Engineering, Project Management, Quality Control, Decision Making	6	-	Y	Y	Regular
<b>Dr. Sheikh Shahid Saleem</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	04-06-2018	Faculty	Associate Professor	01-07-2011	01-04-1996	MED	Tribology, Bio-tribology, Friction Materials	22	08 in Progress	Y	Y	Regular
<b>Dr. M. Mursal een</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	23-05-2018	Faculty	Assistant Professor	-	23-03-2000	MED	Smart Structures, Mathematical Modeling,	24	4 (in progress)	Y	Y	Regular
<b>Dr. Majid H Koul*</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	12-06-2015	Faculty	Assistant Professor	-	01-11-2018	MED	Haptics, Robotics, Multibody Dynamics, Mechatronics	4	-	-	Y	Regular
<b>Mr. Ved Prakash Sharma</b>	B. Tech., Registered for Ph.D. at IIT-Delhi	BIET Jhansi	15-07-2014	Faculty	Trainee Teacher	-	11-01-2016	MED	Fracture Mechanics, Microelectronic Packaging.	-	-	-	Y	Regular

## Criterion 5 | 2021

<b>Dr. Mukund Dutt Sharma</b>	Ph.D. (Mechanical Engineering)	NIT Hamirpur	30-08-2016	Faculty	Assistant Professor	-	01-11-2018	MED	Tribology, Machining, Optimization and Modelling	4	-	Y	Y	Regular
<b>Dr. Noor Zaman Khan</b>	Ph.D. (Mechanical Engineering)	JMI Delhi	12-2017	Faculty	Assistant Professor	-	22-10-2018	MED	Friction Stir Welding, Friction Stir Processing, Machining, Optimization	16	-	Y	Y	Regular
<b>Dr. M. Mohsin Khan</b>	Ph.D. (Mechanical Engineering)	MANIT Bhopal	02-07-2017	Faculty	Assistant Professor	-	26-10-2018	MED	Composite Materials	4	-	Y	Y	Regular
<b>Dr. Harveer Singh Pali</b>	Ph.D. (Thermal Engineering & Renewable Energy)	Delhi Technological University, Delhi	8-12-2016	Faculty	Assistant Professor	-	25-10-2018	MED	Utilization of Biofuel/Alternative Fuels in IC Engines. Renewable Energy and Thermal Energy Systems	14	-	-	Y	Regular
<b>Dr. Abhijit Dey</b>	Ph.D. (Mechanical Engineering)	NIT Silchar	24-01-2018	Faculty	Assistant Professor	-	11-12-2018	MED	Machinability of Metal Matrix Composites; Materials Characterizations	6	-	Y	Y	Regular
<b>Dr. Manoj Kumar</b>	Ph.D. (Mechanical Engineering)	NIT Kurukh	04-11-2016	Faculty	Assistant Professor	-	12-13-2018	MED	Desiccant Materials, Low and Medium Temperature Applications	1	-	Y	Y	Regular

## Criterion 5 | 2021

<b>Dr. Sajad Hussain din*</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	21-10-2017	Faculty	Assistant Professor	-	05-03-2018	MED	Smart Structures, Mathematical Modelling	9	-	Y	N	Contract
<b>Mr. Yunis Ahmad Dar*</b>	MTech. (Mechanical Engineering)	PTU Jalandhar	13-07-2015	Faculty	Assistant Professor	-	21-04-2016	MED	Production Engineering, Welding Engineering.	-	-	-	N 07-08-2018	Contract
<b>Dr. Kaleem Ahmad*</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	16-12-2017	Faculty	Assistant Professor	-	05-03-2018	MED		23	-	-	Y	Contract
<b>Mr. Sumit Kumar*</b>	MTech. (Mechanical Engineering)	NIT Srinagar	05-08-2017	Faculty	Assistant Professor	-	06-09-2017	MED	Mechanical System Design	-	-	-	N	Contract

### CAYm3 (2017-18)

Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor or Associate	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is	Nature of Association (Regular/Contract)
	Degree (highest degree)	University	Year of attaining higher qualific							Research Paper Publication	Ph.D. Guidance	Faculty Receiving Ph.D. during the		

## Criterion 5 | 2021

			ation			Profess or				ons		Assess ment Years	("No")	
<b>Prof. M.F.Wani</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	02-06-1999	Faculty	Professor	29-12-2007	15-08-1985	MED	Tribology, Nano Tribology, Life Cycle Engineering	72	7	-	Y	Regular
<b>Prof. N.A. Sheikh</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-03-2004	Faculty	Professor	18-09-2013	10-04-1987	MED	Aircraft wing vibration, Smart Structures, Finite Elements.	9	3	-	Y	Regular
<b>Prof. G.A. Harmain</b>	Ph.D. (Mechanical Engineering)	University of Victoria, Canada	28-05-1997	Faculty	Professor	01-07-2008	19-03-1987	MED	Computational Mechanics, FEM, Thermo elasticity and Second Sound, Fracture Mechanics and Material Fatigue	63	6	-	Y	Regular
<b>Prof. Adnan Qayoum</b>	Ph.D. (Mechanical Engineering)	IIT Kanpur	27-08-2012	Faculty	Professor	18-09-2013	27-12-1993	MED	Experimental Fluid Mechanics, Heat Transfer Augmentation, Design of Thermal Systems	25	1	-	Y	Regular
<b>Prof. M. Marouf Wani</b>	PDF, Ph.D. (Mechanical Engineering)	Queen's University UK; IIT	13-08-2005	Faculty	Professor	18-09-2013	19-03-1987	MED	Internal Combustion Engines, Combustion of Alternative fuels, Emission control.; CFD Applications in I C Engines	8	1	-	Y	Regular

## Criterion 5 | 2021

		Delhi												
<b>Prof. Babar Ahmad</b>	Ph.D. (Mechanical Engineering)	IISc Bangalore	19-06-2012	Faculty	Professor	18-09-2013	01-03-1992	MED	Haptics and Control, MEMS, Ultrasonic Transducers	8	07 (in progress)	-	Y	Regular
<b>Dr. Mohammad Hanief</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	28-09-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Wear modeling, Materials, Tribology	20	-	Y	Y	Regular
<b>Dr. M. S. Charoo</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	12-08-2016	Faculty	Associate Professor	09-10-2018	24-03-2000	MED	Nano lubrication, Materials, Tribology	36	-	Y	Y	Regular
<b>Dr. Anjana Kak</b>	Ph.D. (Mechanical Engineering)	IIT Delhi	27-04-2001	Faculty	Associate Professor	01-07-2006	29-07-1988	MED	Project Management, Quality Control	-	-	-	Y	Regular
<b>Dr. Saad Parvez</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	13-07-2018	Faculty	Associate Professor	01-07-2011	16-01-1996	MED	Industrial Engineering, Project Management, Quality Control, Decision Making	6	-	Y	Y	Regular
<b>Dr. Sheikh Shahid Saleem</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	04-06-2018	Faculty	Associate Professor	01-07-2011	01-04-1996	MED	Tribology, Bio-tribology, Friction Materials	22	08 in Progress	Y	Y	Regular
<b>Dr. M. Mursaleen</b>	Ph.D. (Mechanical Engineering)	NIT Srinagar	23-05-2018	Faculty	Assistant Professor	-	23-03-2000	MED	Smart Structures, Mathematical Modeling,	24	4 (in progress)	Y	Y	Regular

## Criterion 5 | 2021

<b>Mr. Ved Prakash Sharma</b>	B. Tech., Registered for Ph.D. at IIT-Delhi	BIET Jhansi	15-07-2014	Faculty	Trainee Teacher	-	11-01-2016	MED	Fracture Mechanics, Microelectronic Packaging.	-	-	-	Y	Regular
<b>Mr. Rohan Ashraf*</b>	MTech. (Mechanical Engineering)	NIT Srinagar	06-08-2015	Faculty	Assistant Professor	-	15-03-2017	MED	Industrial Engineering	-	-	-	N 01-03-2018	Contract
<b>Mr. Milan Chandana*</b>	MTech. (Mechanical Engineering)	NIT Srinagar	15-01-2017	Faculty	Assistant Professor	-	15-03-2017	MED	Mechanical System Design	-	-	-	N 01-03-2018	Contract
<b>Mr. Chandr a Kant*</b>	MTech. (Mechanical Engineering)	NIT Srinagar	11-07-2016	Faculty	Assistant Professor	-	15-03-2017	MED	Mechanical System Design	-	-	-	N 13-09-2017	Contract
<b>Ms. Uzma Ashraf*</b>	MTech. (Mechanical Engineering)	NIT Srinagar	25-06-2012	Faculty	Assistant Professor	-	21-04-2017	MED	Mechanical System Design	-	-	-	N 01-03-2018	Contract
<b>Mr. Mohsin John*</b>	MTech. (Mechanical Engineering)	NIT Kurukshetra	08-10-2014	Faculty	Assistant Professor	-	18-03-2015	MED	Production Engineering	-	-	-	N 08-09-2017	Contract
<b>Mr. Yunis Ahmad Dar*</b>	MTech. (Mechanical Engineering)	PTU Jalandhar	13-07-2015	Faculty	Assistant Professor	-	21-04-2016	MED	Production Engineering, Welding Engineering.	-	-	-	N 07-08-2018	Contract
<b>* Stands for: Faculty member is not working now at the Institute; either he/she is retired or contractual faculty</b>														

**5.6 Innovations by the Faculty in Teaching and Learning (10/10)****A. Statement of clear goals, use of the appropriate methods, significance of results, effective presentation (4/4)****Working models/charts/monograms:**

Apart from the test rigs and experimental set-ups, the labs of the mechanical engineering department are equipped with different cut-section and demonstration models (IC Engine Lab, Dynamics lab etc.,) and working models for the effective teaching-learning process.

- Various labs of the department have been equipped with new and advanced equipment with data acquisition facilities for an insightful assessment of experiments.

**B. Availability of the work on the Institute Website (2/2)****Instructional materials**

Each classroom is equipped with overhead projectors and some are equipped with the state-of-the-art smart boards. Textbooks, reference books, and study notes prepared by teachers are used for instruction. Other instruction tools are whiteboard, charts and diagrams and laboratory demonstration models.

- NPTEL lectures are available for various courses on the institute LAN.
- Learning Management System (Moodle) has been provided on institute LAN to enhance teaching learning process.
- Project based assignments are given to the students to enhance learning by doing.
- <https://www.nitsri.ac.in/Department/Deptindex.aspx?page=a&ItemID=ee&nDeptID=e>

**C. Availability of work for peer review and critique (2/2)**

The academic content of several courses offered by the faculty members is available on their respective YouTube channels for peer review and critique. Apart from that, every project and innovation filed by the faculty members is subject to rigorous review. Additionally, all research by the faculty members is submitted to high indexed peer reviewed forums.

**Reference Online Youtube link for one of the course running for B.Tech (Mechanical Engg.):** <https://youtu.be/nRkT792dNyY>

**D. Reproducibility and reusability by the other scholars (2/2)**

Every faculty member has an account on prestigious research forums including scopus, google scholar, research gate, web of science and ORCID. The research work of the

department has high citations. H-index and I-index for the research work is considerably good for the faculty members. Apart from this, with due respect to the intellectual property right norms, the department faculty readily shares all information with anyone who seeks interest in their individual/team research content.

*Reference Online link for information about each faculty members:*

<https://www.nitsri.ac.in/Pages/FacultyList.aspx?nDeptID=e>

<b>Assessment</b>	<b>10</b>
-------------------	-----------

**5.7 Faculty as Participants in Faculty development/ training activities (12.30/15)**

RF: Faculty required as calculated in 5.2

Name of the Faculty	CAYm1	CAYm2	CAYm3
<b>Prof. M.F.Wani</b>	1	5	4
<b>Prof. G.A. Harmain</b>	-	1	1
<b>Prof. M.Marouf Wani</b>	-	-	5
<b>Prof. N.A. Sheikh</b>	-	2	5
<b>Prof. Babar Ahmad</b>	3	3	-
<b>Prof. Adnan Qayoum</b>	-	-	5
<b>Mr. S. Ghulam Mohammad</b>	-	-	-
<b>Dr.Saad Parvez</b>	1	3	1
<b>Dr. Shahid Saleem</b>	2	3	2
<b>Dr. M. Hanief</b>	-	1	2
<b>Dr. M. S. Charoo</b>	1	1	4
<b>Dr. M. Mursaleen</b>	-	1	1
<b>Mr. Ved Prakash</b>	1	1	1
<b>Dr. Majid H. Koul</b>	1	3	-
<b>Dr. Mukund Dutt Sharma</b>	1	3	-
<b>Dr. M. Mohsin Khan</b>	2	6	-
<b>Dr. Noor Zaman Khan</b>	6	2	-
<b>Dr. Harveer Singh Pali</b>	4	8	-
<b>Dr. Abhijeet Dey</b>	-	-	-

<b>Dr. Manoj Kumar</b>	-	1	-
<b>Ms. Neelam Jehan Majeed</b>	1	2	-
<b>Mr. Mohammad Waheed Bhat</b>	-	2	-
<b>Dr. Shuhaib Mushtaq</b>	-	1	3
<b>Dr. Kaleem Ahmad Najar</b>	-	-	1
<b>Ms. Zakia Hussain Wani</b>	1	3	-
<b>Mr. Aman Hira</b>	1	3	-
<b>Dr. Sandeep Rathee</b>	-	-	-
<b>Dr. Dinesh Kumar R.</b>	-	-	-
<b>Dr. Deepak Kumar Naik</b>	-	-	-
Sum	<b>26</b>	<b>55</b>	<b>35</b>
RF	<b>16.95</b>	<b>16.55</b>	<b>16.55</b>
Assessment = $3 \times (\text{Sum}/0.5 \text{ RF})$ (Marks limited to 15)	<b>9.203</b>	<b>19.94/15</b>	<b>12.69</b>
Average Assessment	<b>12.30</b>		

**5.8 Research and Development (75/75)**

**5.8.1 Academic Research (20/20)**

**A. Pub:** No. of research publications in refereed/SCI Journals, Conferences, Books, Book Chapters, etc. (15/15)

**B. PhD:** No. of Ph.D. Scholars registered/ awarded (5/5)

Name of the Faculty	2020-21		2019-20		2018-19		2017-18	
	Pub	PhD	Pub	PhD	Pub	PhD	Pub	PhD
<b>Prof. M. F. Wani</b>	12	1- Awarded	29	3- Awarded	12	5- Awarded	11	2- Awarded
		4-In progress		9-In progress		8-In Progress		5-In progress
<b>Prof. G. A. Harmain</b>					2	1- Awarded	15	2- Awarded
				10-In		8-In		9-In

				Progress		Progress		progress
<b>Prof. N. A. Sheikh</b>					5		2	1- Awarded
				7-In Progress		6-In Progress		7-In progress
<b>Prof. M. Marouf Wani</b>					4	1- Awarded	4	
				4-In Progress		5-In Progress		6-In progress
<b>Prof. Babar Ahmad</b>	2		3		2		3	
		8 In progress		8-In Progress		6-In Progress		3-In progress
<b>Prof. Adnan Qayoum</b>	5	2- Awarded	9	1- Awarded	7		7	1- Awarded
		6-In Progress		8-In Progress		9-In Progress		8-In progress
<b>Dr. Saad Parvez</b>			1	3-In Progress	2	1-In Progress	3	-
<b>Dr. S. Shahid Saleem</b>			5		9		4	
	2	8-In Progress		8-In Progress		5-In Progress		-
<b>Mr. Sheikh Ghulam Mohammad</b>			-	-	-	-	-	-
				-		-		-
<b>Dr. Mohammad Hanief</b>			2				1	
				6-In Progress		6 - In progress		5- In Progress
<b>Dr. M. S. Charoo</b>			1		13		3	
				6-In Progress		5-In Progress		5-In Progress
<b>Dr. M. Mursaleen</b>					17		9	2- In Progress
				4-In Progress		3-In Progress		

<b>Dr. Majid H. Koul</b>					1	1-In Progress	1	1-In Progress
				2-In Progress		1-Patent Registered		
<b>Dr. Noor Zaman Khan</b>	8	5- In Progress	4	5-In Progress	4	-	-	-
					1 Patent			
<b>Dr. Abhijeet Dey</b>				1-In Progress	2	-	7	-
<b>Dr. Manoj Kumar</b>				1-In Progress	-	-	1	-
<b>Dr. Mukund Dutt Sharma</b>		3-In Progress		3-In Progress	2	1-In Progress	1	-
<b>Dr. Mohammad Mohsin Khan</b>	6	3 - In Progress	3	3 - In Progress	3	-	2	-
<b>Dr. Harveer Singh Pali</b>	3	3-In Progress	7	3-In Progress	4	-	3	-
<b>Mr. Ved Prakash Sharma</b>			-	-	-	-	-	-
<b>Dr. Kaleem Ah. Najar</b>			-	-	15	-	4	-
<b>Dr. Shuhaib Mushtaq</b>			1	-	6	-	6	-
<b>Ms Zakia Hussain</b>			-	-	4	-	-	-
<b>Ms Neelam Jehan Majeed</b>			-	-	1	-	-	-
<b>Mr Mohammad Waheed Bhat</b>			-	-	-	-	4	-
<b>Mr. Aman Hira</b>			1	-	-	-	-	-
<b>Dr. Sandeep Rathee</b>			-	-	-	-	-	-
<b>Dr. Dinesh Kumar</b>			-	-	-	-	-	-

<b>R.</b>								
<b>Dr. Deepak Kumar Naik</b>			-	-	-	-	-	-
<b>Assessment</b>	<b>20</b>							

**5.8.2 Sponsored Research**

**(15/20)**

<b>Sr. No.</b>	<b>Project Title</b>	<b>Funding Agency</b>	<b>Amount</b>	<b>Duration</b>
<b>1</b>	Development and tribological characterization of self-lubrication Aluminum Alloy (AA6061)/ ceramic.	NPIU, (MHRD) TEQIP	13.28 lacs	2019- 2020 (CAYm1)
<b>2</b>	Low Cost Scrap Crusher for Local Junk Yards	TEQIP	1 lac	2019 (CAYm1)
<b>3</b>	Fabrication and Characterization of a Composite Proton Exchange Membrane for Direct Methanol Fuel Cells (DMFCs)	TEQIP	1lac	2019 (CAYm1)
<b>4</b>	Tribological Sustainable Investigation of Hazelnut oil mixed Metal Oxide Nanoparticles	TEQIP	1 lac	2019 (CAYm1)
<b>5</b>	Design and Construction of Seismically Safe Low-Cost Housing using Innovative Materials and Techniques.	TEQIP	11.55 lacs	2019- 2020 (CAYm1)
<b>6</b>	Bio-Gas Generation from Kitchen Waste of Hostel Mess	TEQIP	1 lac	2019- 2020 (CAYm1)
<b>7</b>	Fatigue of high entropy alloys.	TEQIP	12 Lacs	2019-20

				(CAYml)
8	Development, Mechanical and Tribological Characterization of Nano Thermoplast (polypropylene), Thermo-reactive (epoxy resin) and Nano filler composite materials	Govt. of India, Dept. of Science & Technology, INDIA- UZBEKISTAN PROGRAMME OF CO-OPERATION	17.80 Lacs	2020-21 (CAY)
<b>Total Amount</b>			<b>58.63 Lacs</b>	<b>40.83 Lac (claimed)</b>
<b>Assessment</b>			<b>15</b>	

**5.8.3 Development Activities (15)**

**In House Product Development:**

S. NO.	NAME OF THE PROJECT	COST	DATE
1	Value Addition and development of a room heating “Bukhari”, NIF sponsored project	Rs. 98000/-	2017
2	Design and fabrication of a Walnut De-hulling machine for Horticulture sector of J&K, NIF sponsored project	Rs. 50000/-	2017
3	A portable dual channel digital storage oscilloscope, for the purpose of classroom demonstration in the Mechatronics course.	Rs. 98000/-	2017
<b>Assessment</b>			<b>15</b>

**5.8.4 Consultancy (From Industry) (20)**

S.No.	Title of the Project/Work	Sponsoring Agency/ Industry	Date and Amount in INR	Faculty In-charge
1.	Vetting of Design and Drawings for Central	Private	14-07-2018	Prof. Adnan

	Heating System “Prov. Of Night Servicing Facilities at Airforce Station, Srinagar”.		40,000/-	Qayoum Dr. M. Mursaleen
2.	Vetting the scheme and drawing of 2No of barracks for ITBP at LEH for Central Heating System	CPWD	2018 98, 000/-	Prof. Adnan Qayoom
3.	MGNREGA, A project of national importance, “Time and Motion Study in Jammu, Kashmir & Ladakh Regions”.	Ministry for Rural Development and Panchayati Raj, Govt. of India.	2018-19 25, 00, 000/-	Dr. Saad Parvez
4	Inspection of 62.5KVA DG Set at Bemina Woolen Mills		2020 4,00,000/-	Prof. M F Wani
5	CEAFU-292017-18 Provn of alternate ATC building at AF station Jammu work under CE (AF) MES Udampur zone	MS SURAT SINGH & SONS	25000/	Dr M Mursaleen ,Prof S Nazir Ahmad & Prof Adnan Qayoum
<b>Cumulative</b>			<b>3063000</b>	
<b>Assessment</b>		<b>20</b>		

**5.9 Faculty Performance Appraisal and Development System (FPADS) (10)**

The institute has in place a continuous, incisive, well-organized, and effective faculty performance appraisal system for the faculty members. For this purpose, an “Annual Assessment Report for the Faculty and the Staff” is prepared for every member. This report

gives a detailed description of the members’ contribution to teaching-learning process, contribution in laboratory development, course development and development of teaching aids, laboratory manuals, and special lectures. In addition, participation in and organization of seminars, symposia, conferences, continuing education programs, research and development activities, sponsored research projects, contribution to department and institute administration, etc., are also taken into account. A copy of the Assessment form is provided in the Annexure.

The annual assessment report is given due consideration in the process of promotion and up-gradation of faculty members and hence plays a vital role in the development of the academic, research and administrative system of the institute.

<b>Assessment</b>	<b>10</b>
-------------------	-----------

**5.10 Visiting/ Adjunct/ Emeritus Faculty (10)**

A few special lectures were organized by the department during the assessment years as under:

S No.	Date	Name of Event	Resource person
1	19th -20th March 2019	Lecture series by Prof. S. Kalmakar IIT Bombay	Prof. S. Kalmakar IIT Bombay
2	3 Oct 2018	Expert Lecture by DR. L.VIJAYARAGHAVAN “INDUSTRY 4.0-An Overview”.	DR. L.VIJAYARAGHAVAN
3	06 June 2018	Expert Lecture by Prof. D.P. Agarwal on the topic “Future Challenges ahead and how to be ready for it	Prof. D.P. Agarwal
4	24th -25th May 2019	Two day workshop on Research methodology for Research scholars, Prof. Noe G Alba Baena Delivered lecture on the topic “Research Methodology” for two days.	Prof. Noe G Alba Baena

5	3rd April 2018	Expert Lecture by Prof. R.K.Grag on the topic “Six Sigma”	Prof. R.K.Grag
6	29 <sup>th</sup> July-2 <sup>nd</sup> August, 2019	Short-Term Course on “Pinch Technology: A heat exchanger Network Analysis Tool”.	Prof. M F Wani (Chairman) Dr. M. Hanief (Coordinator)
7	27 <sup>th</sup> -31 <sup>st</sup> May, 2019	One-week Workshop on “Introduction and Basics of Programming skill using MATLAB and Python”.	Dept. of Electrical Engg, NIT, Srinagar Prof MF Wani (Patron)
8	24 <sup>th</sup> - 28 <sup>th</sup> June, 2019	STC on “Introduction to MATLAB, PSCAD and LaTeX for Researchers”.	Dept. of Electrical Engg, NIT, Srinagar Prof MF Wani (Patron)
9	8 <sup>th</sup> - 12 <sup>th</sup> July, 2019	STC on “Recent Advances in Chemical Sciences (RACS-2019)	Dept. of Chemistry, NIT, Srinagar Prof MF Wani (Co-Chairman)
10	8 <sup>th</sup> -12 <sup>th</sup> July, 2019	One-week workshop on “Flood Management with focus on Jehlum Basin”.	WRMC, NIT, Srinagar Prof. MF Wani (Co-Chairman)
11	1-5 July, 2019	STC on “Communication System Design”.	NIT, Srinagar Prof MF Wani (Co-Patron)
12	24-28 June, 2019	STC on Materials Characterisation Techniques	Deptt. Of Physics, NIT, Srinagar Prof MF Wani (Workshop Convenor)
13	18 <sup>th</sup> – 22 <sup>nd</sup> May, 2019	FDP on “Outcome Based Education”	Dept. of Mechanical Engg, NIT Srinagar
14	22 <sup>nd</sup> – 26 <sup>th</sup> April, 2019	One Week Workshop on “Power Electronics: Application sin renewable energy systems”	Deptt. Of Electrical Engg., NIT Srinagar Prof. M F Wani (Patron)
15	1 <sup>st</sup> -5 <sup>th</sup> April,2019	Faculty Development Programme on “Pedagogy”	NIT, Srinagar (Prof. MF Wani, Dr. Mukund Dutt Sharma)
16	July 22-26, 2019	One Week Short-Term Course on “Advanced Material Processing and Characterisation”	Deptt. Of Mechanical Engg., NIT, Srinagar & IIT Kharagpur
17	Dec 18-23,2017	Six days workshop on “Lab Practices” for engineering students of Kashmir University.	Department of Mechanical Engineering, University of Kashmir, Srinagar. (Dr. M Mursaleen Butt)

18	Nov 9, 2017	Catalysing a cultural shift in youth entrepreneurship	EDP Cell on National Entrepreneurship Day
19	Nov 2, 2017	Interaction Session with “Prof. Anil Kumar Gupta”, Founder of Honey Bee Network.	Central University of Kashmir
20	Oct 29, 2017	One day seminar on “Importance of international certification in Design, Automation and IT industries”	CETPA Infotech. Pvt. Ltd.
21	Oct 5, 2017	Orientation program of “The Better You”	STARTUP KASHMIR
22	Oct 2, 2017	Swach Bharat Abhiyan	Srinagar Municipal Corporation
23	Oct 2, 2017	Orientation Session of Batch 2016 & Batch 2017	IIED Center
24	Oct 2, 2017 (MEGA EVENT)	IDEA CHALLENGE 2017 – “The Future World”	IIED Center
25	Sep 6-7, 2017	“Youth Entrepreneurship in conflict areas” Symposium in Srinagar, J&K	CHINAR International in association with South Asia Network of Impact Masters and IIED Center, NIT Srinagar
26	June 10, 2017	Interaction session with Kashmir’s Entrepreneurs	Founder of KashBook, Co-Founder of Captivating Kashmir and INSPIRE award winner Zufa Iqbal
Assessment		10	