Annexure-I

Feedback analysis and reward/corrective measures taken

Feedback Collected for all courses	Yes
Feedback collection process	Online, Twice per Semester
Average Percentage of Students who participate	60 (approximately)
Feedback analysis process (Teacher feedback on courses taught)	• Feedback is collected for all courses, twice in a semester, on-line for the sake of transparency. • The feedback links are sent to the students by their class coordinators using Google forms so that students can give their responses as per their convenience. • The feedback for thirteen performance criterion is collected. • The 13 criteria are: • There is space provided in the feedback form for student comments where they can type their general suggestions for improvement of teaching-learning processes. • On the basis of feedback the Faculty Feedback Index (FFI) is calculated on a scale of 5. • The FFI is computed by taking the weighted average of the 13 performance metrics as graded by students on a scale of 1 to 5 for poor/average/good/very good/excellent. • In the individual faculty feedback report, up and down arrows are marked against each performance metrics (by using conditional comparison operators which compare the performance of each metrics with the average teaching performance of the faculty). • This helps in identifying the areas of strength and weakness for each faculty. • The feedback is compiled and analysed centrally by the Dean Academics office for the sake of uniformity in assessment and documentation. • The compiled information (data file + summary + individual faculty report) is then sent to the respective departments for implementation and corrective action at the HoD/faculty.
Basis of reward	• As decided by the IQAC of the institute, the faculty members who have FFI score of 4 or more in both feedbacks during a semester are issued letters of appreciation from the Director. •
Corrective measures	• On the basis of the IQAC resolution, the faculty members who have FFI score of less than 3 in any one of the feedbacks during a semester are issued letters from the Director for improvement of their performance for the overall improvement of quality in teaching & learning. • In addition to this the HoD and sometimes the Director also interact with the faculty members to find out the reasons behind their low scores. • If the feedback for a particular faculty is not consistent/not improving over consecutive feedbacks

	then the institute may arrange for pedagogical or domain specific training for the concerned faculty (in addition to the regular short-term courses, workshops, conferences etc for knowledge up-gradation) • The student written suggestions are compiled and analysed by the respective • For certain issues the institute may recommend counselling sessions for the faculty. However, no such cases have yet been reported/noticed. • The feedback received from students is used only for quality improvement purpose and not for punitive purposes,

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	I Year (Civil Engineering) (1st Semester)				
Criterion	Name of Faculty				
	Dr. Anjula Gaur (Sub: Engg. Chemistry, Code: 100101)	Prof. Shweta Shrivastava (Sub: Mathematics; Code:100102)	Prof. Umesh Guramwar (Sub: Tech. English, Code: 100103)	Prof. Vishal Choudhary (Sub: BEEE, Code: 100104)	Prof. Vinod Mahor (Code:100105)
	Feedback (Mid Sem - I, October 2019)				
	I	I	I	I	I
No. of Responses	73	73	73	73	73
Has good teaching ability	3.55	3.73	3.99	4.49	3.21
Teaching style is interactive/involving students	3.64	3.55	3.81	4.47	2.93
Adequate coverage of course content	3.64	3.89	3.86	4.49	3.30
Voice is audible	4.38	3.47	3.70	4.53	2.73
Good communication skills	3.95	3.60	4.03	4.48	3.01
Has ability to control class	4.47	3.12	3.60	4.49	2.60
Has ability to motivate/create interest in subject	3.75	3.23	3.74	4.29	2.95
Relates subject with practical examples	3.78	3.41	3.88	4.19	3.07
Is approachable & helping	3.82	3.70	4.03	4.29	3.38
Provides study material/notes etc.	3.51	3.90	3.93	4.44	3.16
Inspires students for good behavior and ethical conduct	4.04	3.60	3.93	4.23	3.25
Use of innovative	3.56	3.53	3.90	4.40	3.21

teaching methods					
Shows no gender bias	4.21	3.96	4.08	4.44	3.77
FFI	**3.87**	**3.59**	**3.88**	**4.40**	**3.12**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - Jan. 2019 to June 2019)

Class	**I Year (Mechanical Engineering) (1st Semester)**				
Criterion	**Name of Faculty**				
	Dr. Preeti Gupta (Sub: Engg. Chemistry, Code: 100101)	**Prof. D. K. Mishra (Sub: Engg. Mathematics; 100102)**	**Dr. Sachin Singh (Sub: Tech. English, Code: 100103)**	**Prof. Punjan Dohare (Sub: BEEE, Code: 100104)**	**Prof. Vaibhav Gupta (Sub: Eng. Graphics, Code:100105)**
	Feedback (Mid Sem - I, October 2019)				
	I	**I**	**I**	**I**	**I**
No. of Responses	**47**	**47**	**47**	**47**	**47**
Has good teaching ability	4.51	4.23	3.04	3.00	4.26
Teaching style is interactive/involving students	4.30	4.06	3.00	2.98	4.26
Adequate coverage of course content	4.32	4.00	2.94	3.32	4.21
Voice is audible	4.43	4.36	3.02	3.51	3.91
Good communication skills	4.43	3.89	3.19	3.26	4.02
Has ability to control class	4.40	4.04	2.96	3.09	3.83
Has ability to motivate/create interest in subject	4.09	3.96	2.98	3.06	3.85
Relates subject with practical examples	4.28	3.62	3.13	2.91	4.09
Is approachable & helping	4.13	3.96	3.17	3.26	4.11
Provides study material/notes etc.	4.38	3.87	2.85	3.19	4.51
Inspires students for good behavior and ethical conduct	4.17	3.98	3.13	3.19	4.02
Use of innovative teaching methods	4.09	3.70	3.15	2.96	4.26
Shows no gender bias	4.51	4.36	3.62	3.51	4.34
FFI	**4.31**	**4.00**	**3.09**	**3.17**	**4.13**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	I Year (Electrical Engineering) (1st Semester)					
Criterion	Name of Faculty					
	Dr. Prachi Sharma (Sub: Engg. Physics, Code: 100201)	Prof Gunjan Rathore (Sub: EEES; 100202)	Prof Vikas Aggrawal (Sub: EEES; 100202)	Prof. Arun Kumar (Sub: Basic Computer Engg., Code:100203)	Prof. Vivek Nanda (Sub: BME, Code:100204)	Prof. Mohit Aggrawal (Sub: BCEM, Code:100205)
	Feedback (Mid Sem - I, October 2019)					
	I	I		I	I	I
No. of Responses	**70**	**70**		**70**	**70**	**70**
Has good teaching ability	4.51	3.29	3.89	4.26	2.54	4.67
Teaching style is interactive/involving students	4.53	3.06	3.90	4.14	2.31	4.53
Adequate coverage of course content	4.40	3.23	4.07	4.13	2.69	4.60
Voice is audible	4.33	2.83	3.64	4.07	2.49	4.64
Good communication skills	4.53	3.20	3.81	4.20	2.41	4.63
Has ability to control class	4.43	3.03	3.70	4.16	2.37	4.59
Has ability to motivate/create interest in subject	4.29	3.03	3.81	4.03	2.40	4.57
Relates subject with practical examples	4.23	3.06	3.83	4.17	2.49	4.39
Is approachable & helping	4.36	3.26	3.89	4.23	2.71	4.56
Provides study material/notes etc.	4.29	3.37	3.97	4.19	2.66	4.56
Inspires students for good behavior and ethical conduct	4.31	3.17	3.80	4.04	2.56	4.54
Use of innovative teaching methods	4.24	3.06	3.76	4.17	2.36	4.46
Shows no gender bias	4.39	3.61	4.11	4.41	3.21	4.49
FFI	**4.37**	**3.17**	**3.86**	**4.17**	**2.55**	**4.55**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	I Year (Electronics Engineering)						
Criterion	Name of Faculty						
	Dr. S. Bhattacharya (Sub: Engg. Physics, Code: 100201)	Prof. Neha Para (Sub: EEES; 100202)	Prof. Vikas Aggrawal (Sub: EEES; 100202)	Prof. Shweta Patel (Sub: BCE, Code: 100203)	Prof. Amit Soni (Sub: BME, Code:100204)	Prof. Vinay Tyagi (Sub: BCEM, Code:100205)	Prof. Nishi Gangwar (Sub: BCEM, Code:100205)
	Feedback (Mid Sem - I, October 2019)						
	I	I		I	I	I	
No. of Responses	**62**	**62**		**62**	**62**	**62**	
Has good teaching ability	3.89	3.37	3.53	4.26	3.61	3.10	4.05
Teaching style is interactive/involving students	4.32	3.05	3.39	4.15	3.71	2.90	3.90
Adequate coverage of course content	3.84	3.52	3.73	4.26	3.71	3.18	3.97
Voice is audible	4.37	3.31	3.00	4.03	3.89	2.66	3.81
Good communication skills	4.29	3.31	3.34	4.13	3.90	3.06	3.92
Has ability to control class	4.40	3.05	3.39	3.71	4.03	2.97	3.76
Has ability to motivate/create interest in subject	4.15	2.77	3.44	4.03	3.76	2.79	3.69
Relates subject with practical examples	4.32	2.98	3.35	4.03	3.74	3.29	3.87
Is approachable & helping	4.05	3.27	3.45	4.27	3.69	3.27	3.85
Provides study material/notes etc.	4.31	3.81	3.61	4.35	3.85	3.52	3.98
Inspires students for good behavior and ethical conduct	4.18	3.34	3.37	4.03	3.89	3.23	3.81
Use of innovative teaching methods	4.00	2.98	3.23	3.94	3.52	2.95	3.71
Shows no gender bias	4.50	3.94	3.92	4.40	4.11	3.90	4.13
FFI	**4.20**	**3.28**	**3.44**	**4.12**	**3.80**	**3.14**	**3.88**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	I Year (Computer Science & Engineering)				
Criterion	Name of Faculty				
	Prof. Deobrat Singh (Sub: Engg. Physics, Code: 100201)	Prof. Shailendra Pratap (Sub: EEES; 100202)	Prof. Neha Bhardwaj (Sub: BCE, Code:100203)	Prof. Sharad Aggrawal (Sub: BME, Code:100204)	Prof. Pratibha Singh (Sub:BCEM, Code:100205)
	Feedback (Mid Sem - I, October 2019)				
	I	I	I	I	I
No. of Responses	**79**	**79**	**79**	**79**	**79**
Has good teaching ability	4.42	3.11	2.85	4.63	3.71
Teaching style is interactive/involving students	4.46	2.87	2.87	4.52	3.58
Adequate coverage of course content	4.37	3.33	2.75	4.58	3.65
Voice is audible	4.43	2.37	3.34	4.46	3.42
Good communication skills	4.39	2.85	3.18	4.52	3.62
Has ability to control class	4.57	2.51	3.37	4.59	3.23
Has ability to motivate/create interest in subject	4.38	2.82	2.70	4.49	3.46
Relates subject with practical examples	4.29	2.96	2.87	4.49	3.77
Is approachable & helping	4.29	3.37	3.11	4.43	3.62
Provides study material/notes etc.	4.00	3.85	2.65	4.47	3.86
Inspires students for good behavior and ethical conduct	4.44	3.18	3.06	4.42	3.59
Use of innovative teaching methods	4.37	2.90	2.59	4.19	3.44
Shows no gender bias	4.54	3.89	3.63	4.52	3.99
FFI	**4.38**	**3.08**	**3.00**	**4.49**	**3.61**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	**I Year (Chemical Engineering & Automobile Engineering)**				
Criterion	**Name of Faculty**				
	Dr. Hansnath Tiwari (Sub: Engg. Chemistry, Code: 100101)	**Dr. Ashish Verma (Sub: Engg. Mathematics; 100102)**	**Dr. Valiur Rahaman (Sub: Tech. English, Code: 100103)**	**Prof. Shourabh Singh Rajput (Sub: BEEE, Code: 100104)**	**Prof. Shilpa Sharma (Sub: Eng. Graphics, Code:100105)**
	Feedback (Mid Sem - I, October 2019)				
	I	**I**	**I**	**I**	**I**
No. of Responses	**46**	**46**	**46**	**46**	**46**
Has good teaching ability	4.46	2.57	3.98	4.41	4.37
Teaching style is interactive/involving students	4.50	2.41	4.04	4.37	4.22
Adequate coverage of course content	4.26	3.02	3.78	4.33	4.39
Voice is audible	4.37	2.37	4.15	4.17	4.17
Good communication skills	4.35	2.61	4.22	4.43	4.24
Has ability to control class	4.35	2.20	4.20	4.26	3.98
Has ability to motivate/create interest in subject	4.52	2.20	3.83	4.30	3.98
Relates subject with practical examples	4.50	2.24	3.89	4.26	3.89
Is approachable & helping	4.13	2.91	3.87	4.43	4.22
Provides study material/notes etc.	4.07	2.70	3.67	4.59	4.11
Inspires students for good behavior and ethical conduct	4.07	2.41	3.96	4.11	4.09
Use of innovative teaching methods	4.20	2.39	3.72	4.02	3.98
Shows no gender bias	4.35	3.46	4.11	4.46	4.37
FFI	**4.32**	**2.58**	**3.95**	**4.32**	**4.15**

FACULTY FEEDBACK INDEX (FFI)

SUMMARY SHEET (Session - July 2019 to Dec. 2019)

Class	**I Year (Information Tech. & Elex. and Telecomm. Engg.)**				
Criterion	**Name of Faculty**				
	Dr. Abhay Mishra (Sub: Engg. Physics, Code:100201)	**Prof. Jyoti Tomar (Sub: EEES, Code: 100202)**	**Prof. Mir Shahanwaz (Sub: BCE, Code: 100203)**	**Prof. Harendra Pal (Sub: BME, Code: 100204)**	**Prof. Nupur Verma (Sub: BCEM, Code: 100205)**
	Feedback (Mid Sem - I, October 2019)				
	I	**I**	**I**	**I**	**I**
No. of Responses	**86**	**86**	**86**	**86**	**86**
Has good teaching ability	3.10	3.62	4.79	3.09	4.15
Teaching style is interactive/involving students	3.14	3.72	4.64	3.20	3.87
Adequate coverage of course content	3.45	3.70	4.72	3.19	4.19
Voice is audible	2.99	3.85	4.74	3.13	4.01
Good communication skills	3.40	3.97	4.70	3.12	3.95
Has ability to control class	3.37	3.69	4.59	2.78	3.87
Has ability to motivate/create interest in subject	3.29	3.44	4.52	2.94	3.74
Relates subject with practical examples	3.31	3.35	4.58	3.02	3.93
Is approachable & helping	3.49	3.64	4.69	3.50	3.90
Provides study material/notes etc.	3.80	3.99	4.66	3.81	3.91
Inspires students for good behavior and ethical conduct	3.55	3.63	4.42	3.43	3.87
Use of innovative teaching methods	3.53	3.30	4.41	2.95	3.53
Shows no gender bias	4.12	4.02	4.76	3.92	4.33
FFI	**3.43**	**3.69**	**4.63**	**3.24**	**3.94**

FACULTY FEEDBACK SUMMARY COVER PAGE

(Session - July 2019 to Dec. 2019) (Mid Sem - I, October 2019 & Mid Sem -II, November 2019 (I Year Students))

Faculty Members Deserve Appreciation (>4)				Faculty Members need for Improvement (< 3)			
Name of Faculty with Course	**Feedback - I**	**Feedback - II**	**Average**	**Name of Faculty with Course**	**Feedback - I**	**Feedback - II**	**Average**
Mechanical Engineering							
Prof. Sharad Aggrawal (Sub: BME, Code:100204)	**4.49**	**4.32**	**4.40**	Prof. Vivek Nanda (Sub: BME, Code:100204)	**2.55**	**4.13**	**3.34**
				Prof. Harendra Pal (Sub: BME, Code: 100204)	**3.24**	**2.82**	**3.03**
Electrical Engineering							
Prof. Vishal Choudhary (Sub: BEEE, Code: 100104)	**4.40**	**4.26**	**4.33**	Prof. Punjan Dohare (Sub: BEEE, Code: 100104)	**3.17**	**2.93**	**3.05**
Prof. Shourabh Singh Rajput (Sub: BEEE, Code: 100104)	**4.32**	**4.19**	**4.26**				
Computer Science & Engineering							
Prof. Shweta Patel (Sub: BCE, Code: 100203)	**4.12**	**4.21**	**4.17**	Prof. Neha Bhardwaj (Sub: BCE, Code : 100203)	**3.00**	**2.74**	**2.87**
Prof. Mir Shahanwaz (Sub: BCE, Code: 100203)	**4.63**	**4.71**	**4.67**				
Chemical Engineering							
Prof. Mohit Aggrawal (Sub: BCEM, Code:100205)	**4.55**	**4.53**	**4.54**				
Applied Sciences							
Dr. Prachi Sharma (Sub: Engg. Physics, Code: 100201)	**4.37**	**4.15**	**4.26**	Dr. Ashish Verma (Sub: Engg. Mathematics; 100102)	**2.58**	**2.78**	**2.68**
Dr. S. Bhattacharya (Sub: Engg. Physics, Code: 100201)	**4.20**	**4.07**	**4.14**				
Prof. Deobrat Singh (Sub: Engg.	**4.38**	**4.18**	**4.28**				

Physics, Code: 100201)							
Dr. Preeti Gupta (Sub: Engg. Chemistry, Code: 100101)	**4.31**	**4.28**	**4.29**				
Dr. Hansnath Tiwari (Sub: Engg. Chemistry, Code: 100101)	**4.32**	**4.19**	**4.25**				
Prof. D. K. Mishra (Sub: Engg. Mathematics; 100102)	**4.00**	**4.20**	**4.10**				
MCA							
Prof. Parul Saxena (Sub: SAD & Software Engineering, 680101)	**4.20**	**4.13**	**4.16**				
Prof. Prabhakar Sharma (Sub: Programming & Problem Solving in C , 680103)	**4.14**	**4.29**	**4.21**				
Prof. Hemlata Arya (Sub: Computer Organization & Assembly Language Programming: , 680104)	**4.75**	**4.45**	**4.60**				
Humanities							
Dr. Sanjeev Khanna (Sub: Communication Skills, 680105)	**4.54**	**4.40**	**4.47**				

FACULTY FEEDBACK SUMMARY COVER PAGE

(Session - July 2019 to Dec. 2019) (Mid Sem - I, August 2019 & Mid Sem - II, October 2019)

Faculty Members Deserve Appreciation (> 4)				**Faculty Members need for Improvement (< 3)**			
Name of Faculty with Course	**Feedback - I**	**Feedback - II**	**Average**	**Name of Faculty with Course**	**Feedback - I**	**Feedback - II**	**Average**
Civil Engineering							
[Appreciation 12/30]				**[Improvement 02/30]**			
Prof. Almas Siddiqui (110302, Building Planning & Design)	**4.08**	**4.52**	**4.30**	Prof. A. K. Saxena (110303, Building Materials & Construction)	**2.47**	**4.15**	**3.31**
Prof. S. S. Kushwah (110303, Building Materials & Construction)	**4.07**	**4.29**	**4.18**	Prof. Wajid Hussain (110303, Building Materials & Construction)	**2.66**	**4.13**	**3.40**
Prof. Shashank Sharma (110505, Transportation Engg)	**4.79**	**4.82**	**4.80**				
Prof. Aditya K. Agarwal (BCEL 702, Environmental Engg. - II)	**4.35**	**4.16**	**4.25**				
Prof. Priya Jain (BCEL 702, Environmental Engg. - II)	**4.24**	**4.09**	**4.16**				
Prof. A. Tiwari (BCEL 703, A.S.D. - I (RCC))	**4.44**	**4.27**	**4.35**				
Prof. Pratibha Singh (BCEL 704, Railway, Bridge & Tunnel Engg.)	**4.26**	**4.13**	**4.20**				
Prof. Noopur Gupta (Building Construction-III, 210302)	**4.64**	**4.35**	**4.49**				
Prof. Gagan Mudgal (Surveying and Levelling , 210304)	**4.01**	**4.05**	**4.03**				
Prof. Wajid Hussain (Structure -III, 210306)	**4.57**	**4.62**	**4.59**				
Prof. Noopur Gupta (Structure -III, 210306)	**4.23**	**4.28**	**4.25**				

Prof. Wajid Hussain (Advance Structure, AR703)	**4.76**	**4.88**	**4.82**				
Mechanical Engineering & Automobile Engineering							
[Appreciation 08/43]					**[Improvement 08/43]**		
Prof. Kaustubh Khot (Sub: Mechanics of Materials, 120302)	**4.25**	**4.44**	**4.35**	Prof. Sumit Kumar Purswani (Sub: Metal cutting and machine tools, 120502)	**2.79**	**3.10**	**2.95**
Prof. Utkarsh Shrivastav (Sub: Fluid Mechanics and Hydraulic Machines, 120304)	**4.36**	**4.48**	**4.42**	Prof. Sayed Faiz Ahmad (Sub: Machine Design-III, BMEL-701)	**2.90**	**3.23**	**3.06**
Prof. Kapil (Sub: Material Science, 120301)	**4.43**	**4.00**	**4.22**	Dr. Amrat Kumar Dhamneya (Sub: Refrigeration & Air- Conditioning, BMEL-702)	**2.76**	**3.14**	**2.95**
Prof. Dhruv Maggu (Sub: Heat & Mass Transfer, 120503)	**4.38**	**4.39**	**4.38**	Prof. Manish Sharma (Sub: Robotics & Mechatronics, BMEL-703)	**2.56**	**2.87**	**2.72**
Prof. Shubham Shrivastav (Sub: Industrial Engineering, 190501)	**4.47**	**4.85**	**4.66**	Prof. Ajay Singh Rajput (Sub: Mechanics of Materials-190302)	**2.81**	**4.03**	**3.42**
Prof. Sumeet Singh (Sub: Design of machine elements, 190504)	**4.01**	**4.21**	**4.11**	Prof. Neeraj Mishra (Sub:Fluid Mechanics &Hydraulic Machines , 190304)	**2.96**	**4.34**	**3.65**
Prof. Anand Kushwah (Sub: Automotive Chassis, 190505)	**4.11**	**4.77**	**4.44**	Prof. Manish Sharma (Sub: Software Lab, 190305)	**2.61**	**4.22**	**3.41**
Dr. Dharmendra Jain (Sub: Vehicle Dynamics-BAUL-701)	**4.05**	**4.65**	**4.35**	Prof. Narendra Singh Sikarwar (Sub: RAC , BAUL-702)	**2.90**	**4.30**	**3.60**
Electrical Engineering							
[Appreciation 02/32]					**[Improvement 03/32]**		
Prof. Aprajita Kumari (Sub: Measurement and Instrumentation-130302)	**4.19**	**4.35**	**4.27**	Prof. Sanjay Kulshreshtha (Sub: Electromagnetic Field Theory-130301)	**2.77**	**3.47**	**3.12**
Prof. Praveen Bansal: (Electrical Machines-II-130503)	**4.03**	**4.10**	**4.07**	Prof. Raj K. Bansal (Sub: Electromagnetic Field Theory-	**2.54**	**2.86**	**2.70**

				130301)			
				Prof. Ashis Patra (Sub:Network Analysis-130303)	**2.81**	**3.45**	**3.13**
Electronics Engineering & Electronics & Telecommunication Engineering							
[Appreciation 08/28]					**[Improvement 03/28]**		
Prof Madhav Singh (SUB: Electronics-I , 140302)	**4.12**	**4.42**	**4.27**	Dr. Karuna Markam (SUB: Signal and system, 140305)	**2.62**	**3.20**	**2.91**
Prof. Chetnya Dhopte (SUB: Digital circuit and system , 140303)	**4.67**	**4.74**	**4.71**	Prof . Pratigya Pathak(SUB : Microwave Engg. , BELL702)	**3.46**	**2.69**	**3.08**
Prof. R.P. Narwaria (SUB: Network Theory, 140304)	**4.19**	**4.44**	**4.32**				
Prof. Shikha Jha (SUB: Biology for Engineers, 100002)	**4.08**	**4.08**	**4.08**				
Prof.Rakesh Naik (SUB:Data Communication, -140503)	**4.11**	**4.08**	**4.09**				
Dr. Vikash Mahor (SUB: VLSI Design, BELL 704)	**4.02**	**4.10**	**4.06**				
Dr.Ashish Gupta (SUB:Digital Communication, 200505)	**4.59**	**4.00**	**4.29**	Prof. Shambu Kumar (SUB: Cellular & Mobile Communication, BETL 703)	**2.87**	**3.18**	**3.03**
Prof.Chetnya Dhopte (Sub: CMOS Technology, BETL 705) & (BETL 710)	**4.05**	**4.23**	**4.14**				
Computer Science & Engineering & Information Technology							
[Appreciation 07/41]					**[Improvement 10/41]**		
Prof. Pooja Agrawal (Sub:OOPS , 150304)	**4.31**	**4.19**	**4.25**	Prof. Poonam Sharma (Sub: Computer Graphics, 150303)	**3.05**	**2.88**	**2.97**
Prof. Julie Kumari (Sub: Digital Electronics, 150301)	**4.06**	**4.14**	**4.10**	Prof. Ram Parvesh Das(Sub: Computer Graphics, 150303)	**2.90**	**3.71**	**3.30**

Prof. Rajni Ranjan Makwana (Sub: Data Structures, 150302)	**4.55**	**4.70**	**4.62**	Prof. Dheeraj Gurjar (Sub: Discrete Structures 150501)	**2.96**	**3.65**	**3.30**
Prof. Vishal Kumar Ranjan(Sub:Biology for Engineers, 100002)	**4.14**	**4.04**	**4.09**	Prof. Bodhi Chakraborty (Sub: Software Engineering, 150502)	**2.05**	**3.00**	**2.52**
				Prof. Chayan Agrawal (Sub: Software Engineering, 150502)	**2.60**	**3.44**	**3.02**
Prof. Abhishek Dixit (Sub: BITL702, Distributed Systems)	**4.36**	**4.41**	**4.38**	Prof. Dheeraj Gurjar (Sub:160501 , Discrete Structures)	**2.67**	**2.87**	**2.77**
Prof. Khushboo Agarwal (Sub: BITL 704, Adhoc Network)	**4.34**	**4.10**	**4.22**	Prof. Ram Parvesh Das (Sub: 160502, Software Engineering)	**2.62**	**3.15**	**2.89**
Prof. Mohit Jain (Sub: BITL 705, E-Commerce)	**4.15**	**4.10**	**4.12**	Prof. Rati Bhan (Sub:160504, Microprocessor and Interfacing)	**2.56**	**2.88**	**2.72**
				Prof. Garima Singh Baghel (Sub: 100006, ICTK)	**2.72**	**2.85**	**2.78**
Chemical Engineering							
[Appreciation 04/10]					**[Improvement 01/10]**		
Prof. Anish P. Jacob (Sub: Fluid Mechanics, 170303)	**4.18**	**4.10**	**4.14**	Prof. A. Srinath (Sub: Organic Process Technology, 170302)	**2.89**	**3.62**	**3.26**
Dr. Sachin Rameshrao Geed (Sub: Mass Transfer - II, 170502)	**4.05**	**4.30**	**4.18**				
Dr. Antaram N. Sarve (Sub: Chemical Reaction Engineering - I, 170503)	**4.16**	**4.54**	**4.35**				
Dr. Sachin Rameshrao Geed (Sub: Process Engineering & Costing, BCHL - 701)	**4.09**	**4.09**	**4.09**				
Biotechnology							
[Appreciation 01/06]					**[Improvement 04/06]**		
Prof. Vishal Kumar Ranjan (Sub:Microbiology, 180302	**4.10**	**4.19**	**4.14**	Prof. Vinod Jatav(SUB: Biology for Engineers, 100002)	**3.57**	**2.95**	**3.26**

				Prof. Vinod Kumar Jatav (Sub: Protein : BBTL701)	**3.69**	**2.72**	**3.21**
				Prof. Rahul Anand (Sub: Bioprocess Economics and Plant Design, BBTL704)	**3.87**	**2.85**	**3.36**
				Prof. Rahul Anand (Sub: Bioreactor Design & Analysis, BBTL705)	**3.79**	**2.80**	**3.30**
Humanities							
[Appreciation 01/08]					**[Improvement 02/08]**		
Dr. Arti Pipariya (Sub: Managerial Economics, 680305)	**4.66**	**4.19**	**4.42**	Prof. Urvashi Garud (Sub: ICTK, 100006)	**2.65**	**3.20**	**2.93**
				Prof. Garima Singh Baghel (Sub: 100006, ICTK)	**2.72**	**2.85**	**2.78**
Applied Sciences							
[Appreciation 05/15]					**[Improvement 04/15]**		
Prof. Angad Ojha (Sub: Mathematics-III, 100003)	**4.27**	**4.43**	**4.35**	Dr. Ashish Verma (100001, Mathematics - II)	**2.78**	**3.82**	**3.30**
Dr. D.K. Jain (Sub: Mathematics II-100001)	**4.26**	**4.16**	**4.21**	Prof. Manisha Chaudhary(Sub: Mathematics II, 100001)	**2.87**	**3.36**	**3.12**
Prof. D.K.Mishra (SUB:Mathematics-II 100001)	**4.46**	**4.59**	**4.52**	Prof. Jitendra Kumar Muthele(Sub: 100001, MATHEMATICS II)	**3.58**	**2.99**	**3.29**
Prof. Santhosh Bhardwaj (Sub: Mathematics II, 100001)	**4.57**	**4.14**	**4.36**	Dr. Manisha Chaudhary (Sub: Mathematics -II, 100001)	**2.74**	**3.25**	**3.00**
Prof. Angad Ojha (Sub: Mathematics, 100001)	**4.40**	**4.17**	**4.29**				
MCA							
[Appreciation 02/04]					**[Improvement Nil/04]**		
Dr. R. S. Jadon (Sub: Operating System , 680302)	**4.18**	**4.06**	**4.12**				

Prof. Hemlata Arya (Sub: Network and Cyber security, 680502)	**4.25**	**4.37**	**4.31**				
Architecture							
[Appreciation 08/12]					**[Improvement 02/12]**		
Dr. S.S Jadon (Sub: Arch Design-III, 210301)	**4.25**	**4.31**	**4.28**	Prof. Shefali Yadav (Sub: Arch Design-III, 210301)	**2.56**	**3.10**	**2.83**
Dr Alok Sharma (Sub: Building Construction-III, 210302)	**4.30**	**4.22**	**4.26**	Prof.Neha Dubey (Graphics III, 210303)	**2.85**	**3.47**	**3.16**
Dr. Alok Sharma (Design-V, AR 501)	**4.32**	**4.30**	**4.31**				
Prof.Shweta Singh (Building Construction-IV, AR 602)	**4.10**	**4.03**	**4.07**				
Prof. Pranshi Jain (Conservation, AR 705)	**4.20**	**4.29**	**4.24**				
Dr. S.S Jadon (Project Management, AR 704)	**4.27**	**4.37**	**4.32**				
Dr. S.S Jadon (Dissertation, AR 706)	**4.18**	**4.19**	**4.19**				
Prof. Richa Mishra(Dissertation, AR 706)	**4.04**	**4.13**	**4.09**				

PERCENTAGE OF STUDENTS PARTICIPATING IN FEEDBACK (July to Dec. 2019)

Session - July 2019 to Dec. 2019	Intake	Total Students	Mid Sem - I, Aug. 2019	Percentage	Total Students	Mid Sem - II, Oct. 2019	Percentage	Average Percentage (Both Mid Sem)
Second, Third & Fourth Year								
Civil Engineering	120	360	44	12.22	360	69	19.17	21.81
Mechanical Engineering	120	360	227	63.06	360	217	60.28	93.2
Electrical Engineering	120	360	215	59.72	360	207	57.50	88.47
Electronics Engineering	120	360	153	42.50	360	140	38.89	61.95
Computer Science & Engineering	120	360	127	35.28	360	190	52.78	61.67
Information Technology	60	180	55	30.56	180	108	60.00	60.56
Chemical Engineering	60	180	63	35.00	180	95	52.78	61.39
Automobile Engineering	60	180	52	28.89	180	17	9.44	33.61
Electronics & Telecommunication Engineering	60	180	34	18.89	180	72	40.00	38.89
MCA	60	180	68	37.78	180	96	53.33	64.45
Architecture	40	120	78	65.00	120	70	58.33	94.17
Average Percentage of Students who participate	**970**	**2880**	**1123**	**36.71**	**2910**	**1295**	**43.17**	**58.30**

PERCENTAGE OF STUDENTS PARTICIPATING IN FEEDBACK (July to Dec. 2019)

Session - July 2019 to Dec. 2019	Intake	Total Students	Mid Sem - I, Oct. 2019	Percentage	Total Students	Mid Sem - II, Oct. 2019	Percentage	Average Percentage (Both Mid Sem)
First Year								
Civil Engineering	120	120	73	60.83	120	33	27.50	74.58
Mechanical Engineering	120	120	47	39.17	120	39	32.50	55.42
Electrical Engineering	120	120	70	58.33	120	61	50.83	83.75
Electronics Engineering	120	120	62	51.67	120	48	40.00	71.67
Computer Science & Engineering	120	120	79	65.83	120	48	40.00	85.83
Information Technology	60	120	86	71.67	120	40	33.33	74.58
Electronics & Telecommunication Engineering	60							
Chemical Engineering	60	120	46	38.33	120	36	30.00	74.58
Automobile Engineering	60							
MCA	60	60	16	26.67	60	19	31.67	42.51
Average Percentage of Students who participate	**900**	**900**	**479**	**51.56**	**900**	**324**	**35.73**	**69.43**

Annexure-II

Madhav Institute Of Technology and Science,Gwalior

Founders Day Celebration

14 November 2019

Founders Day has been celebrated on 14th November 2019. On this occasion Shri Anurag Chaudhary, Collector Gwalior, invited as a Chief Guest.

Programs are conducted according to following schedule:

Programme at Founders Statue

12:15 PM: Arrival of dignitaries

12:17 PM: Floral Tribute to Late Maharaja Sir Jiwaji Rao Scindia ji

Programme at Student Activity Center

12:20PM: Humble Gratitude to Our Founder (A video presentation)

12:25 PM: Welcome of Dignitaries on dais

12:27 PM: Lightning of Lamp and Maa Saraswati Poojan

12:30 PM: Floral Welcome of Guests on the Dais

12:32 PM: Presentation of annual academic report by Dean Academics Dr.Manjaree Pandit

12:38 PM: Address by Director MITS, Dr.R.K.Pandit

12:45 PM: Certificate Distribution to NPTEL course achievers

12:50 PM: Report of student activities by Dean Student Welfare Dr.Rajeev Kansal and appreciation of student clubs/Chapters (2018-2019)

01:00 PM: Award to All rounder performers of 2018 pass out batch (Ms Karnika Shivhare, CSE and Mr. Abhishek Yadav,Mech)

01:05 PM: Speech by Er.Ramesh Agarwal , Secretary, SECS

01:15 PM: Address by Shri Prashant Mehta , Member BOG,MITS

01:25 PM: Address by Chief Guest Shri Anurag Chaudhary, Collector, Gwalior

01:35 PM: Memento offer to the Guests on the Dais

01:38 PM: National Anthem and vote of thanks

- **Inaguration of the day is done by Lightning of Lamp and Maa Saraswati Poojan by the Dignitaries of the function.**
- **Dr. Manjaree Pandit, Dean Academics, presented annual academic report.**
- **Address by Dr. R.K. Pandit, Director, MITS Gwalior.**
- **Distribution of NPTEL Certificates by the Chief Guest.**

NPTEL certificates are distributed to the following faculty members of the institute who have achieved Elite-Gold

S.no	Course Name	Name	Department	Final Score	Certificate Type	Topper
1.	Electronic Waste Management - Issues And Challenges	NUPUR VERMA	Civil Engineering	91	Elite+gold	---
2.	Introduction to Internet of Things	JUHI PRUTHI	Computer Science and Engineering	98	Elite+gold	----
3.	Introduction to Internet of Things	POOJA AGRAWAL	Computer Science and Engineering	95	Elite+gold	---
4.	Principles of Signals and Systems	AWADHESH GUPTA	Electronics Engineering	98	Elite+gold	Topper of 1% in this course
5.	Microprocessors and Microcontrollers	ARUNA CHOUHAN	Electronics Engineering	90	Elite+gold	Topper of 1% in this course
6.	Introduction to Automata, Languages and Computation	JULIE KUMARI	Computer Science and Engineering	91	Elite+gold	Topper of 5% in this course
7.	Introduction to Automata, Languages and Computation	NAMRATA AGRAWAL	Information Technology	93	Elite+gold	Topper of 5% in this course
8.	Basics of Finite Element Analysis - I	JYOTI VIMAL	Mechanical Engineering	93	Elite+gold	Topper of 2% in this course
9.	Non Conventional resources of Energy	Saurabh Rajput	Electrical Engineering	96	Elite+gold	
10	Introduction to Automata, Languages and Computation	Sneha Garg	Computer Science and Engineering	91	Elite+gold	

- **Dr.Rajeev Kansal, Dean Student Welfare presented a report of Report of student activities and appreciation certificates of student clubs/Chapters(2018-2019) are distributed by Chief Guest.**

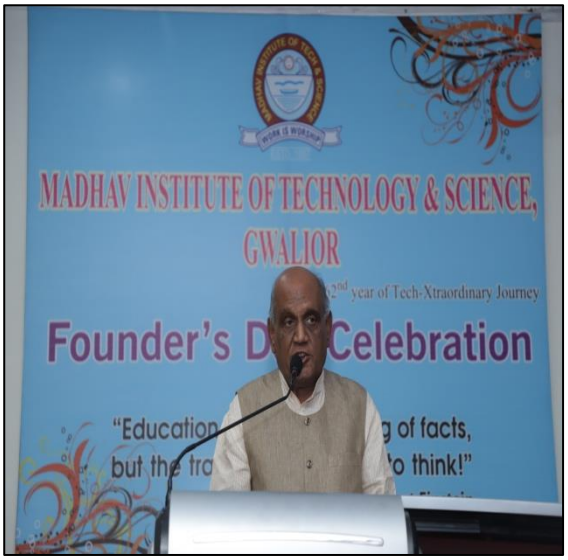
Appreciation Certificate is given to the following faculty Coordinator of Clubs &Student Chapters

Sr. No.	CLUB	Faculty Coordinator
1.	Aerospace Club	Dr. C S Malvi
2.	Art Club	Prof. Pooja Sahu
3.	ASIMOV Robotics Club	Dr. Karuna Markam
4.	Biotech Club	Dr. Sunita Sharma
5.	Dance Club	Prof. Parul Saxena
6.	HAM RADIO SOCIETY MITS	Dr. Vandana Vikas Thakare
7.	Holistic Health Club	Prof. Vishal Chaudhary
8.	Innovation Cell	Dr. C S Malvi
9.	International Opportunities Club	Dr. Anshu Chaturvedi
10.	Music Club	Dr. Shourabh Bhattacharya
11.	MITS Codewar Club	Prof. R. R. Singh Makwana
12.	MITS Journalism Society	Prof. Anish P. Jacob
13.	NSS Unit	Dr. Manish Sagar
14.	Photography Club	Prof. Deep Kishore Parsediya
15.	Querencia Club	Dr. Sanjeev Khanna
16.	Rashtray Club	Dr. Abhay Mishra
17.	SKYROADS Club	Prof. Neha Bhardwaj
18.	Sports Club	Dr. B.P.S. Bhadoriya
19.	Technical Exhibition Club	Dr. Vijay Bhuriya
20.	Terrestrial Automobile Development Club	Prof. Vedansh Chaturvedi
	STUDENT CHAPTER	**Faculty Coordinator**
21.	MITS ACM STUDENT Chapter	Prof. Neha Bhardwaj
22.	IEEE Student Chapter	Dr. Manish Dixit
23.	IET Student Chapter	Dr. Vijay Bhuriya
24.	IETE Student Forum	Dr. Vandana Vikas Thakare
25.	*ISTE Students' Chapter MITS*	Prof. Vishal Chaudhary

- **All rounder performers of 2018 pass out batch (Ms Karnika Shivhare, CSE and Mr. Abhishek Yadav, Mechanical) are awarded.**
- **Speech by Er.Ramesh Agarwal , Secretary, SECS**
- **Address by Shri Prashant Mehta , Member BOG, MITS.**

- **Address by Chief Guest Shri Anurag Chaudhary, Collector, Gwalior**
- **Memento are offered to the Guests on the Dais by the Director, MITS Gwalior**
- **National Anthem and vote of thanks to all.**


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
year of Tech-Xtraordinary Journey
Celebration


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
GWALIOR
62nd year of Tech-Xtraordinary Journey
Founder's D Celebration
"Education g of facts,
but the tra o think!"


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
GWALIOR
62nd year of Tech-Xtraordinary Journey
Fou Day Celebration
t the learning of facts,
of the mind to think!"
Albert Einstein


MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE,
GWALIOR
62nd year of Tech-Xtraordinary Journey
Founder's ay Celebration
"Educ arning of facts,
but th ind to think!"


MADHAV INSTITUTE OF TECH
GWALIO
Dr. Rajeev Kansal
Dr. R. K. Pandit
Shri Prashant Mehta
Shri Anurag Chaudhary
Er. Ramesh Agrawal

एमआईटीएस के स्थापना दिवस समारोह में छात्रा कर्णिका शिवहरे और अभिषेक यादव को ट्रॉफी प्रदान की गई

1957 में शुरू हुआ संस्थान, तब थीं केवल 3 और अब यूजी की 11 ब्रांच संचालित हैं

FOUNDATION DAY

सिटी रिपोर्टर . ग्वालियर

1957 में महाराजा जीवाजीराव सिंधिया ने इस संस्थान (एमआईटीएस) की शुरुआत की थी, तब यह माधव इंजीनियरिंग कॉलेज के नाम से चलता था। उस समय सिविल, मैकेनिकल और इलेक्ट्रिकल ब्रांच हुआ करती थीं। आज संस्थान का न केवल इतना बड़ा कैंपस है, बल्कि यूजी में ही 11 ब्रांच हैं। यह बात एमआईटीएस के बोर्ड ऑफ गवर्नर्स के मेंबर प्रशांत मेहता ने कही। वे संस्थान के स्थापना दिवस समारोह पर आयोजित समारोह में बोल रहे थे। इस मौके पर मुख्य अतिथि कलेक्टर अनुराग चौधरी रहे। कार्यक्रम में कॉलेज की गोल्ड मेडलिस्ट व ऑलराउंडर छात्रा कर्णिका शिवहरे और छात्र अभिषेक यादव को ट्रॉफी प्रदान की गई। साथ ही एनपीटीईएल कोर्स के विद्यार्थी व फैकल्टी मेंबर को सम्मानित किया गया।

▪ स्थापना दिवस के उपलक्ष्य में कर्णिका शिवहरे को पुरस्कार देते अतिथि।

एकेडमिक फील्ड में बनाना है कॅरियर

2018 की यूजी ऑल ब्रांच टॉपर कर्णिका शिवहरे को ट्रॉफी और एक्सीलेंस ऑफ सर्टिफिकेट दिया गया। उन्हें यह ट्रॉफी बेहतर पढ़ाई के अलावा सिस्टम इंजीनियरिंग पर किताब लिखने, नेशनल समिट में पेपर प्रजेंटेशन के लिए प्रदान की गई। कर्णिका ने बताया कि वह अभी जॉब कर रही हैं, लेकिन भविष्य में मास्टर कर एकेडमिक फील्ड में कॅरियर बनाना चाहती है।

छात्रों को स्वतंत्रता हो,न हो कर्फ्यू जैसा कल्चरः कलेक्टर

समारोह में कलेक्टर डॉ. अनुराग चौधरी ने कहा कि तकनीकी संस्थान इनोवेशन के हब होते हैं। इसलिए संस्थानों में छात्रों को पूरी स्वतंत्रता होनी चाहिए। अगर वह चाहें तो रात में भी लाइब्रेरी जाकर पढ़ाई कर सकें। यहां पर कर्फ्यू जैसा कल्चर नहीं होना चाहिए। यह संस्थान शहर के विकास में भी योगदान दे रहा है।

▪ **यह लोग रहे मौजूदः** कार्यक्रम में सिंधिया इंजीनियरिंग कॉलेज सोसाइटी के सचिव रमेश अग्रवाल, डायरेक्टर डॉ. आरके पंडित, डीन अकेडमिक्स डॉ. मंजरी पंडित, डॉ. राजीव कंसल मौजूद रहे। संचालन डॉ. मनीष दीक्षित ने किया।

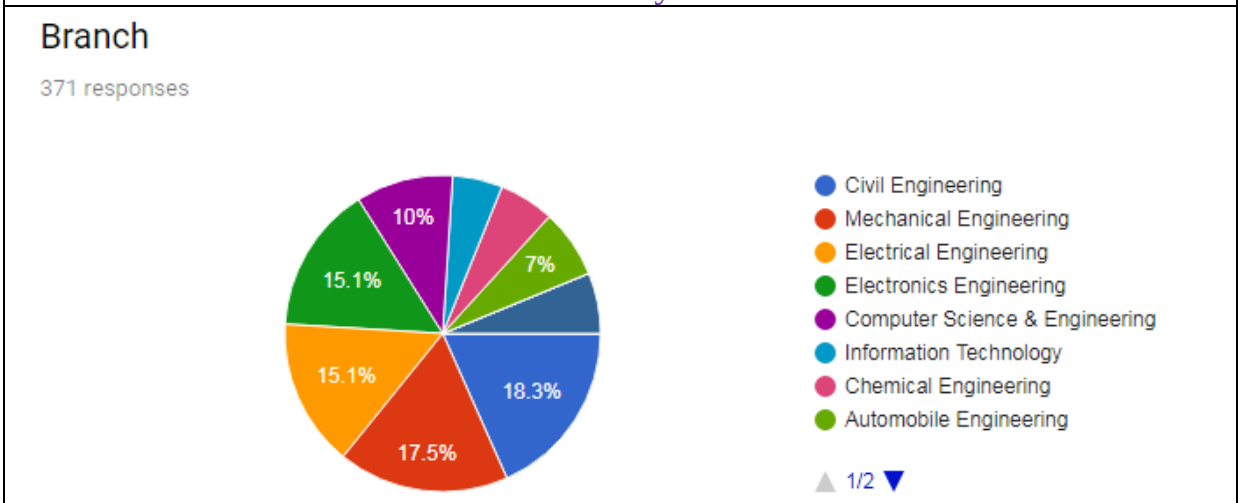
Annexure-III

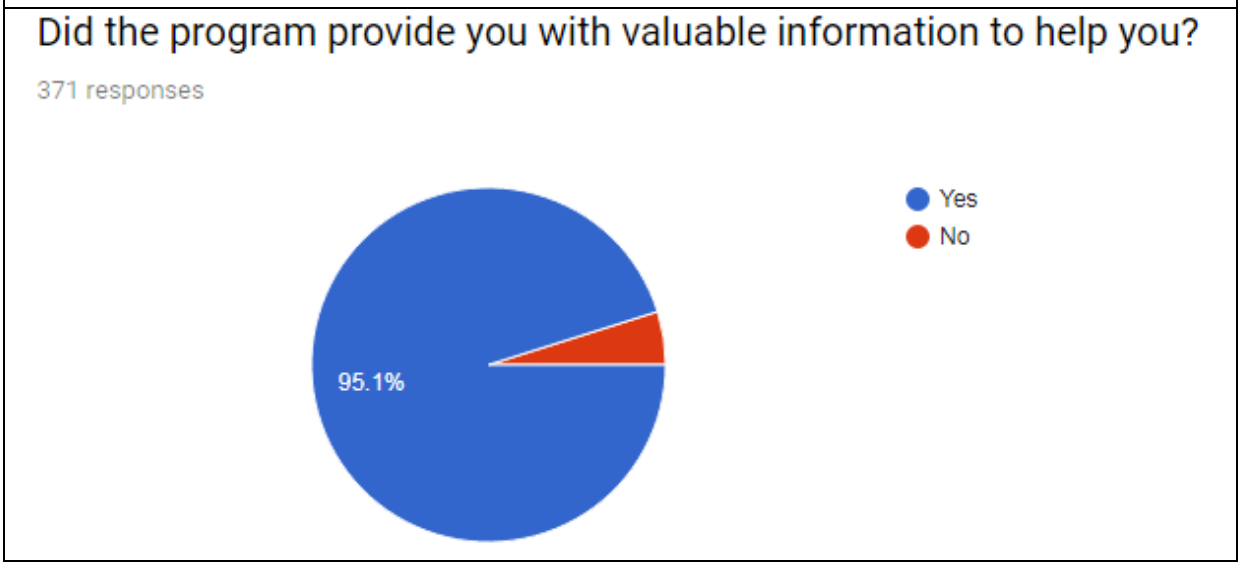
Induction Program 2019

Feedback

No. of Students submitted their feedback- 371

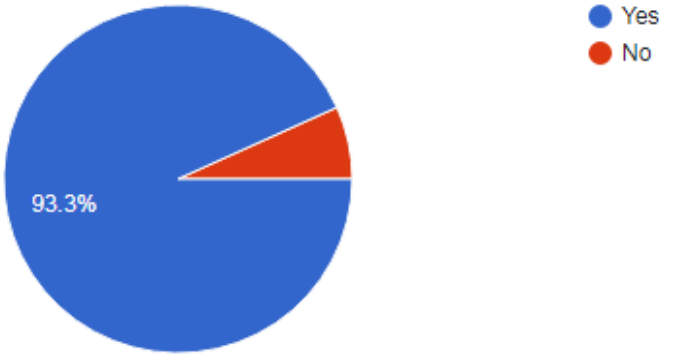
Branch wise feedback submission summary





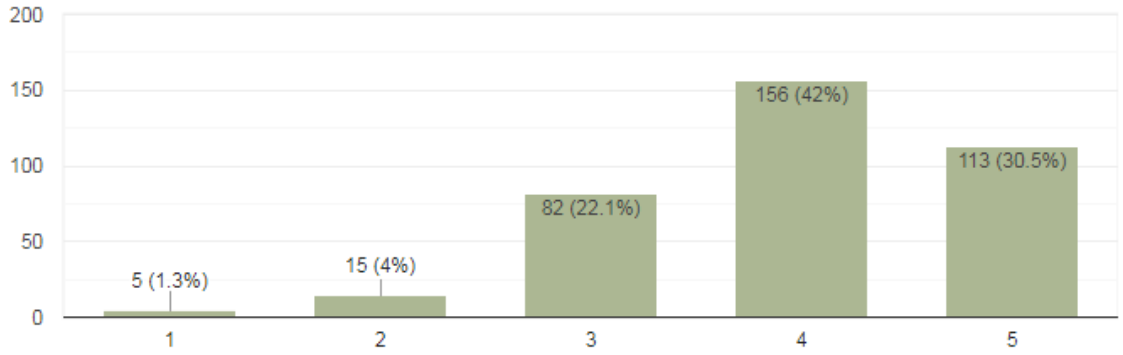
Did it help you understand more about the Institute and its people?

371 responses



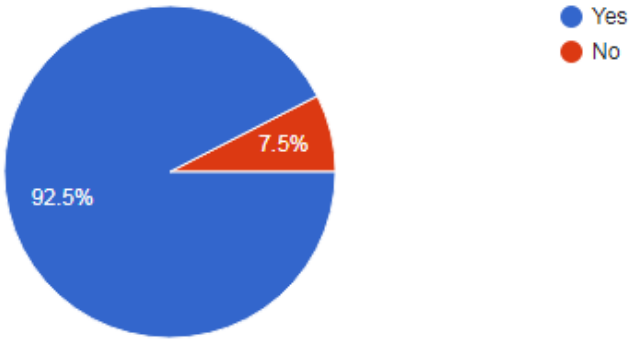
How was the quality of information provided?

371 responses



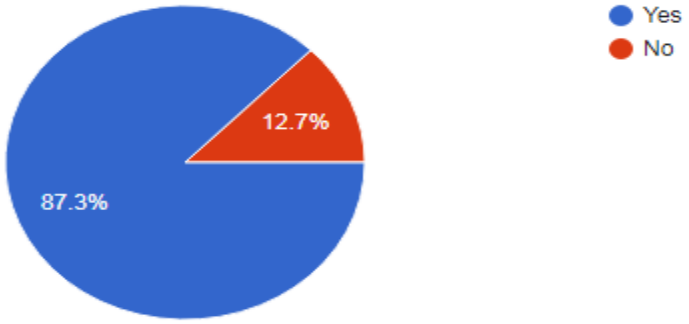
the Information,advice and guidelines provided to you was appropriate ?

371 responses



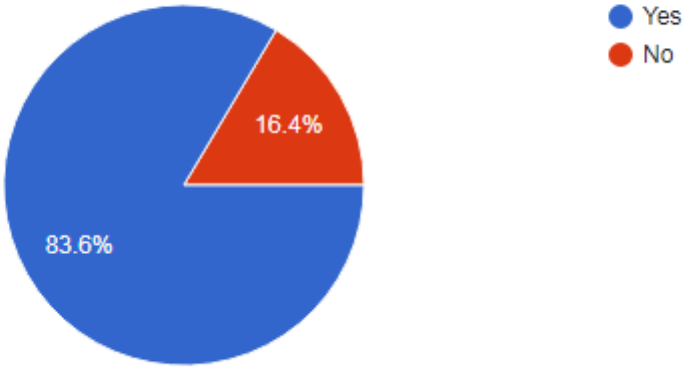
Did this program help you to improve your values & personality ?

371 responses



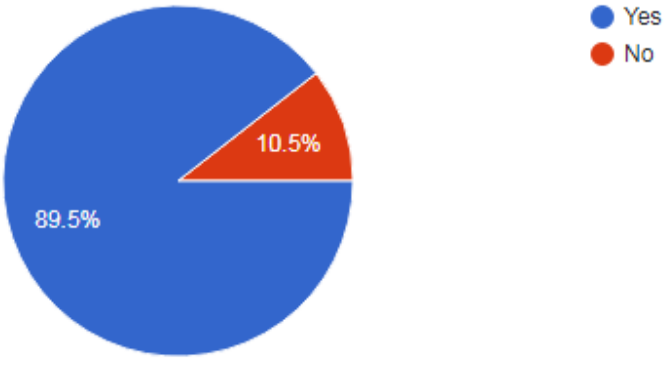
Did this program help you feel more at ease with your peers ?

371 responses



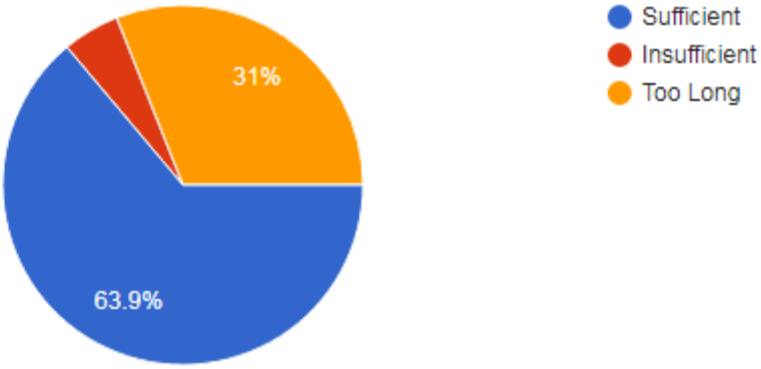
Did this program help you feel more oriented & prepared for future ?

371 responses



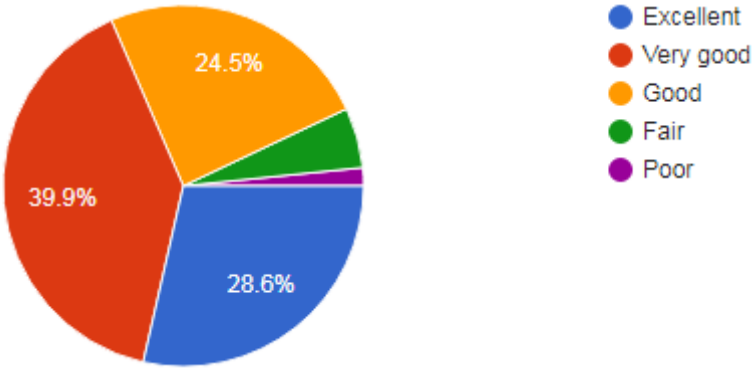
Your opinion about duration of the program

371 responses



How would you rate the induction program overall?

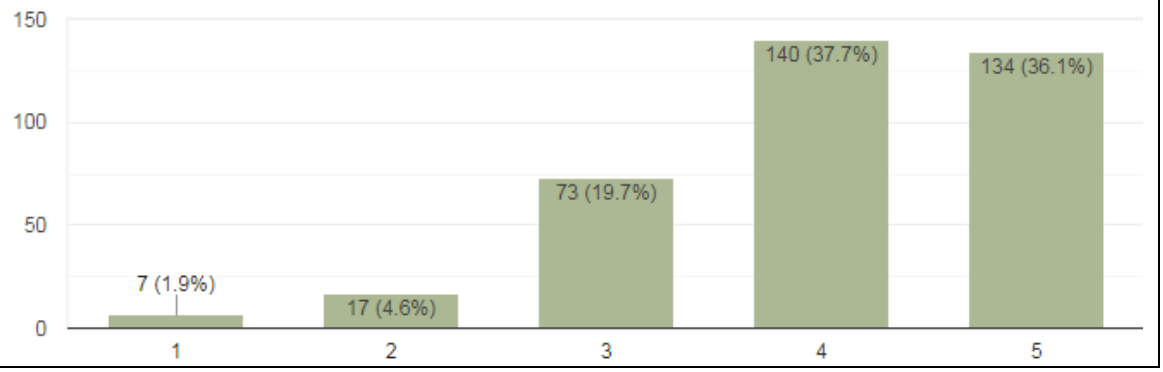
371 responses



Presentation Feedback

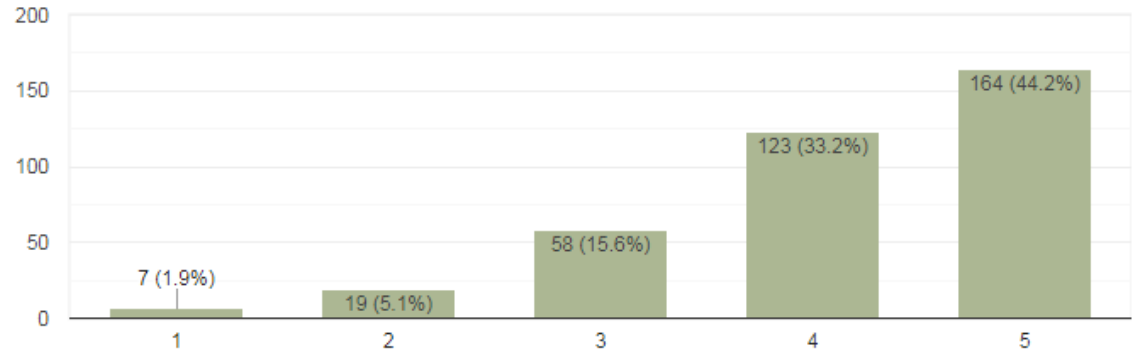
Ms Suman Yadan, SKV, Gwalior

371 responses



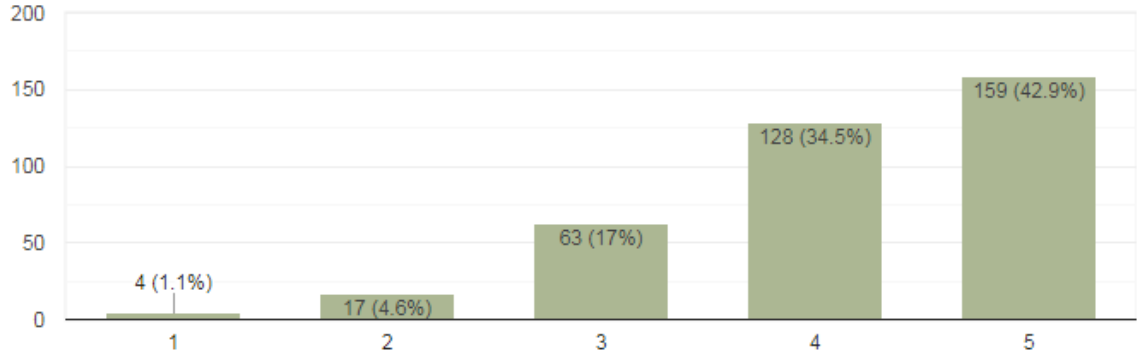
Shri Rajababu Singh, IG, Police Gwalior

371 responses



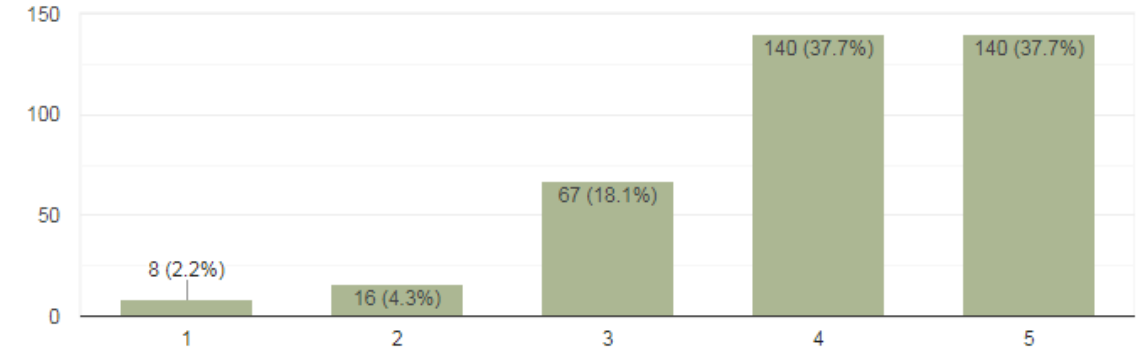
Dr. D.P. Agrawal, Member, BoG

371 responses



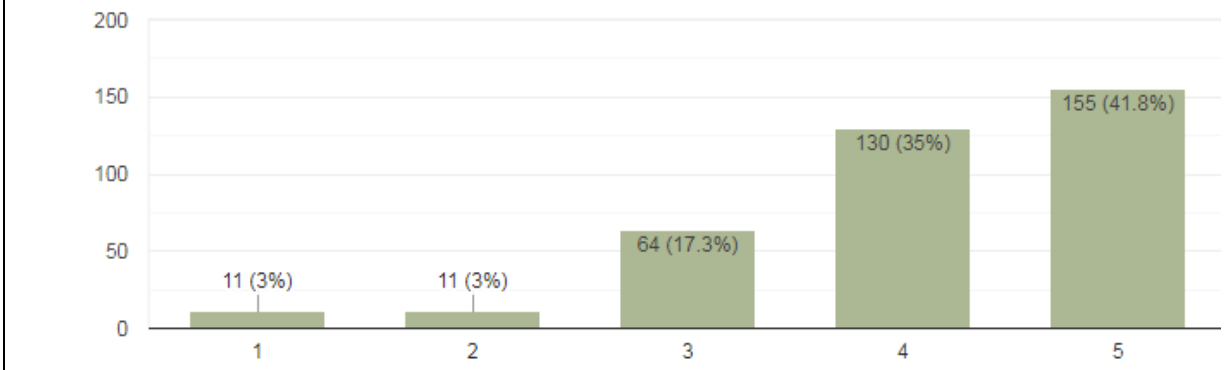
Shri. Prahant Mehta, Member BoG

371 responses



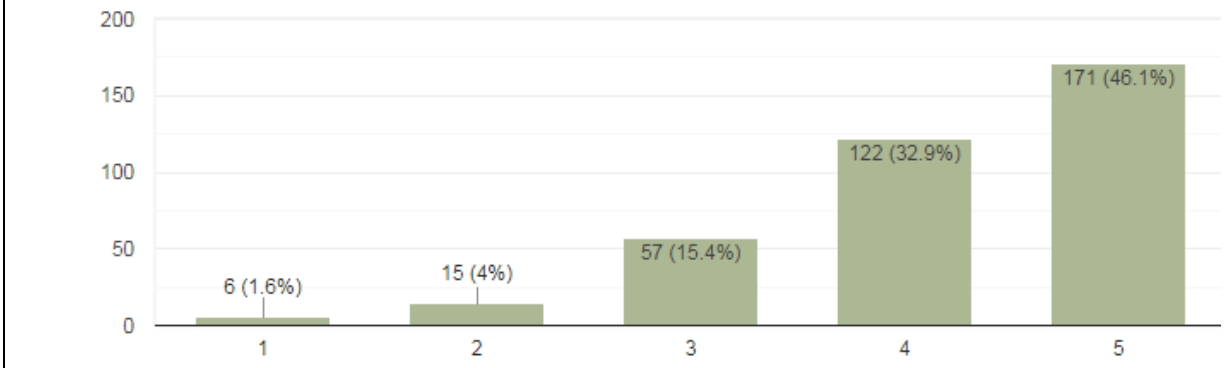
Shri Maithilisharan Gupta, DGP, Police Reform, MP

371 responses



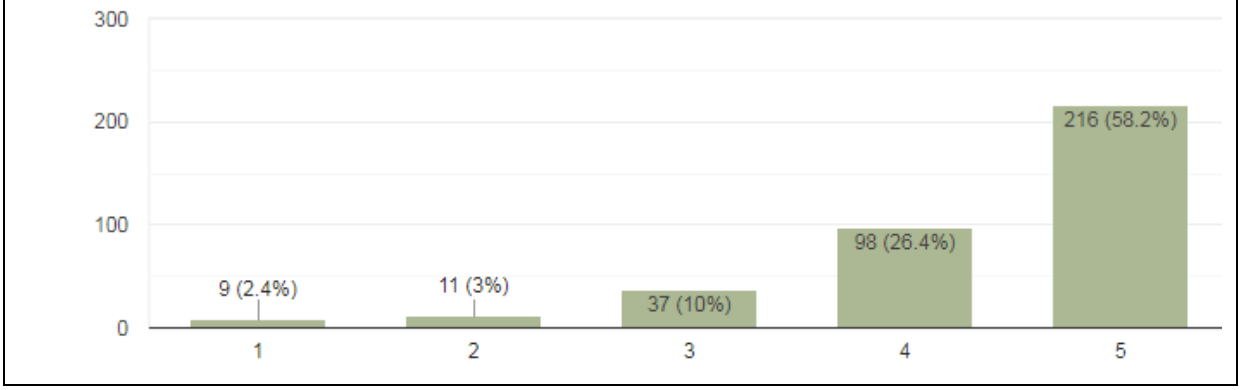
Er. Anupam Tiwari, National Trainer JCI

371 responses



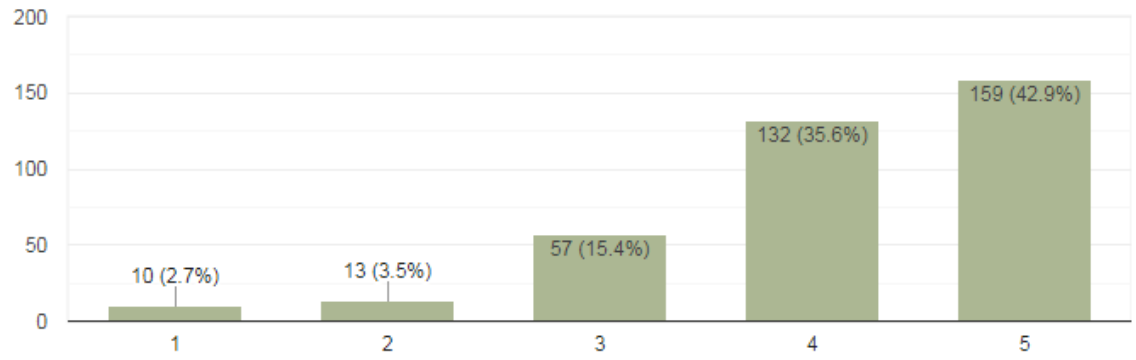
Dr. R.K. Pandit, Director, MITS

371 responses



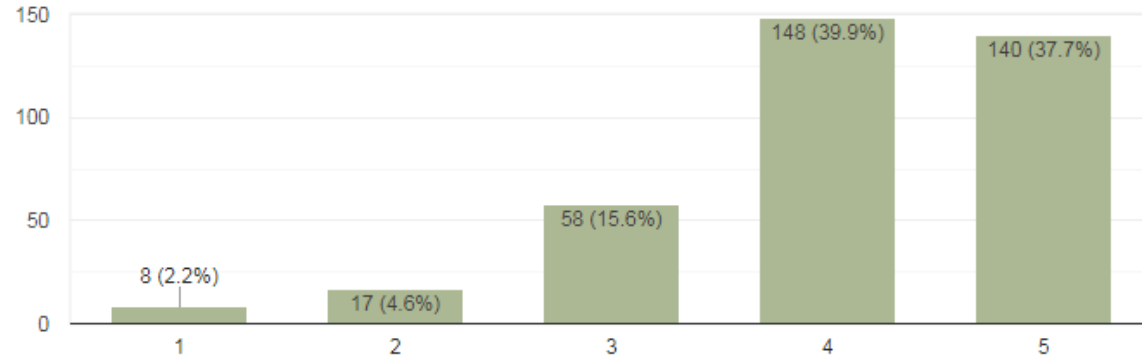
Sh. Atul Chouhan, Moodle & IMS coordinator

371 responses



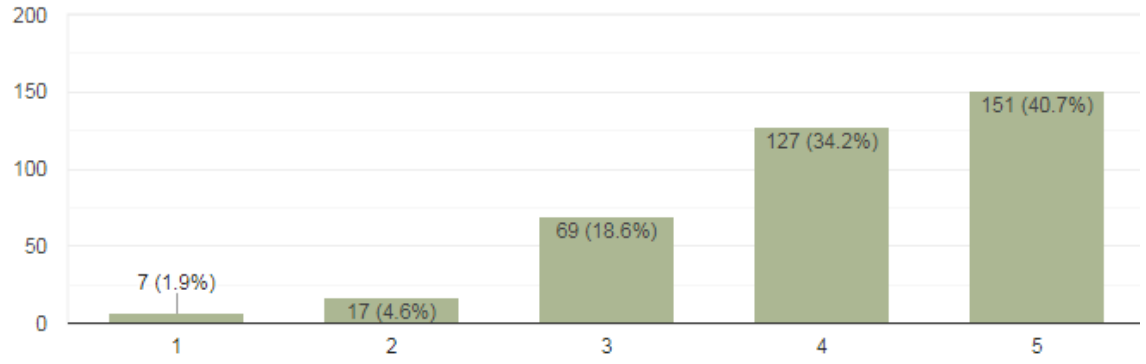
Dr. Sunita Sharma, NPTEL/SWAYAM incharge

371 responses



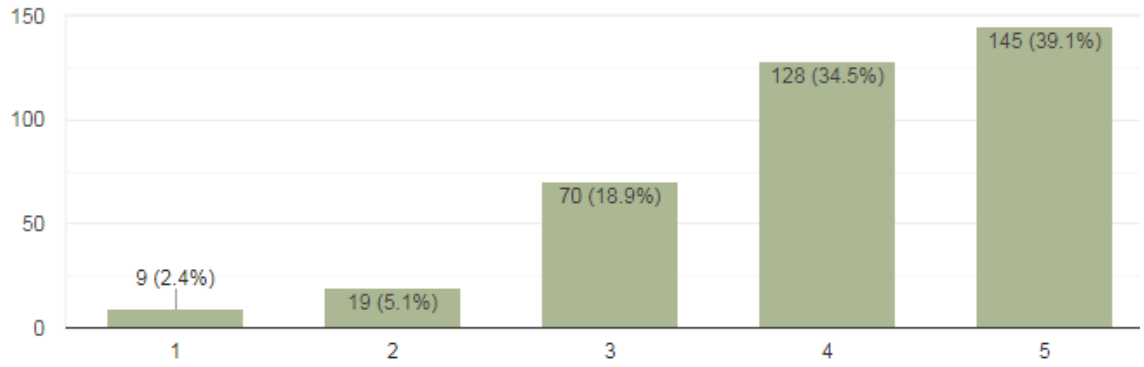
Prof. Praveen Bansal, GATE Incharge

371 responses



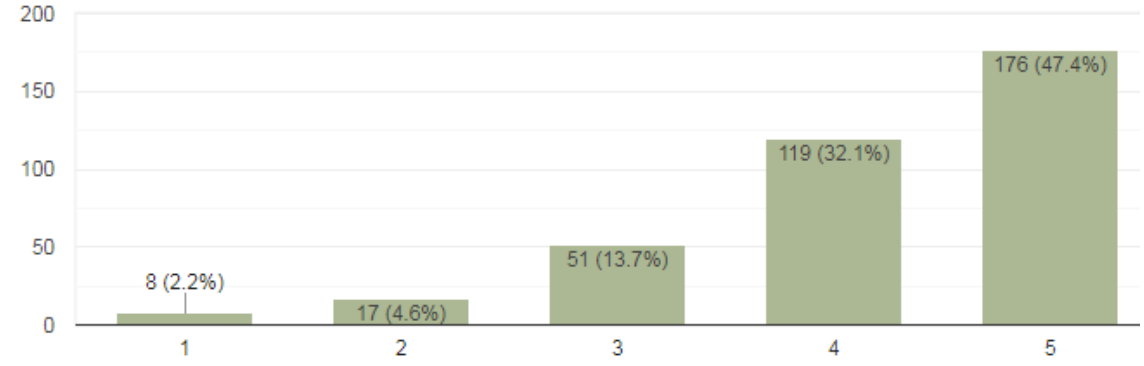
Sh. Vikram S Rajpoot, Training & Placement

371 responses



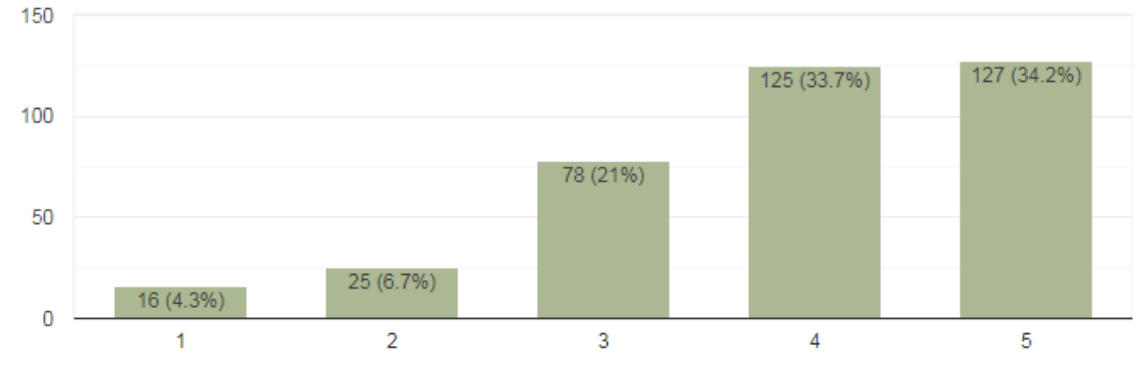
Dr. Manish Dixit, Cultural Coordinator

371 responses



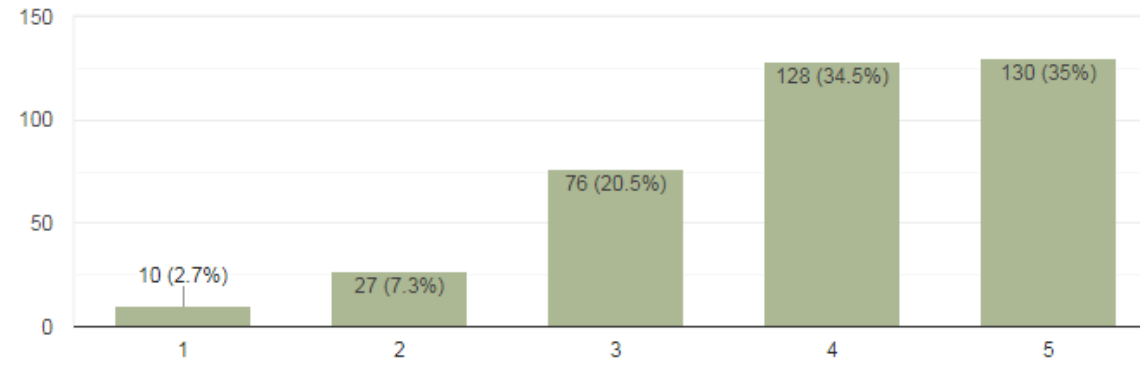
Dr. B.P.S. Bhadoria, NCC Sports

371 responses



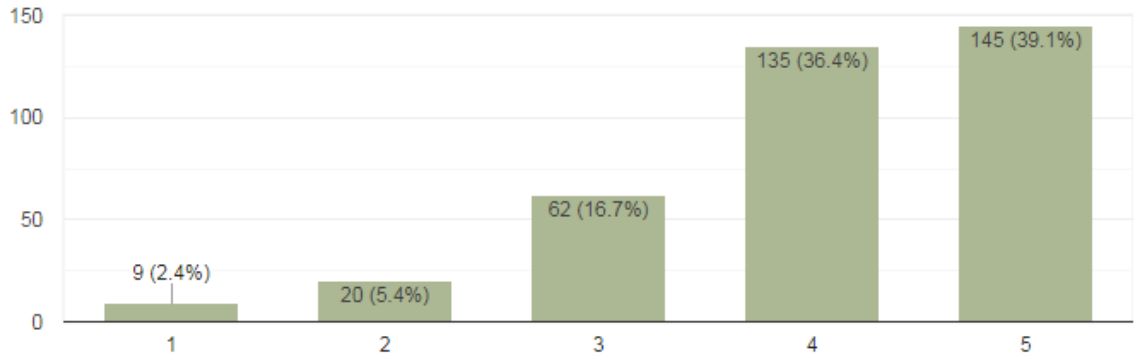
Dr. Manish Sagar, NSS

371 responses



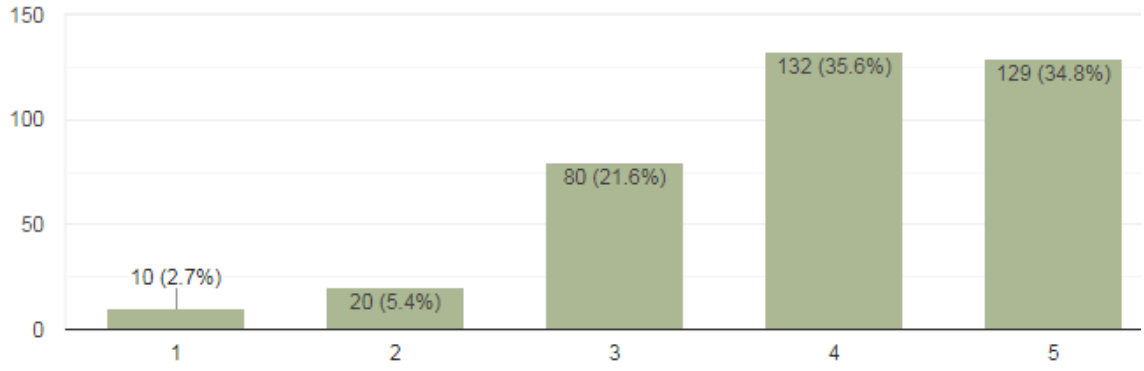
Prof. Vishal Choudhary, ISTE

371 responses



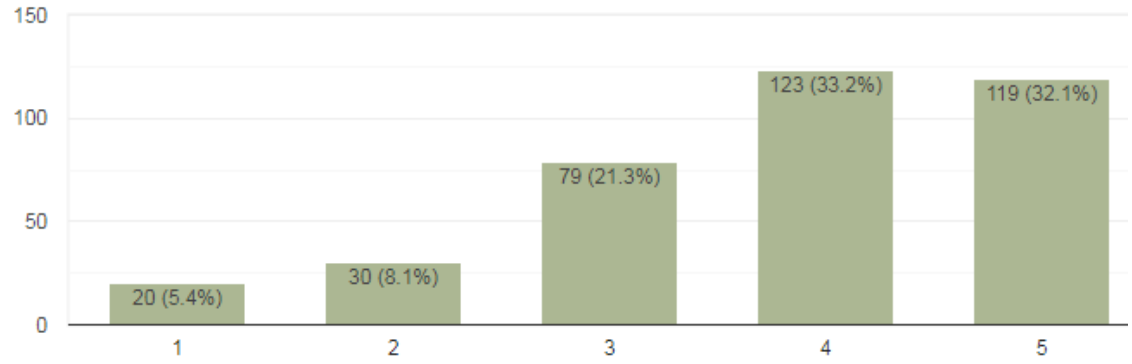
Er. Shailendra S, Bhadoria, Admin. offier

371 responses



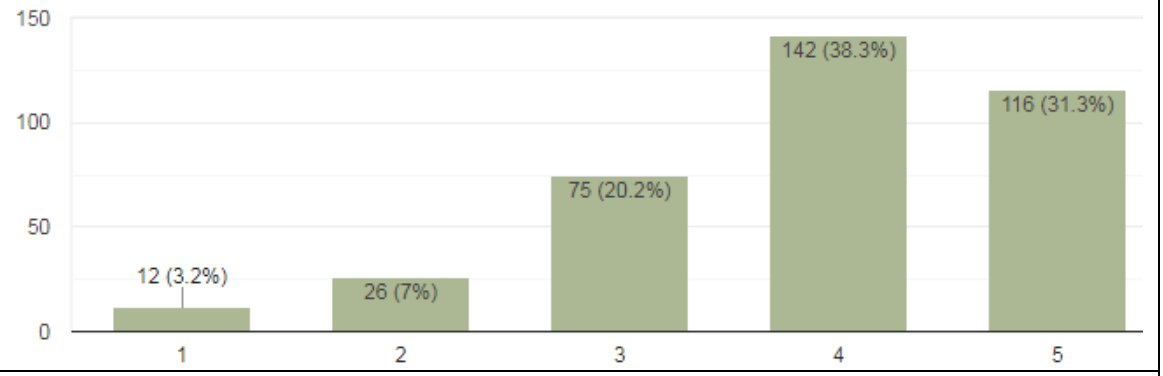
Dr. Pawan Sharma, Library

371 responses



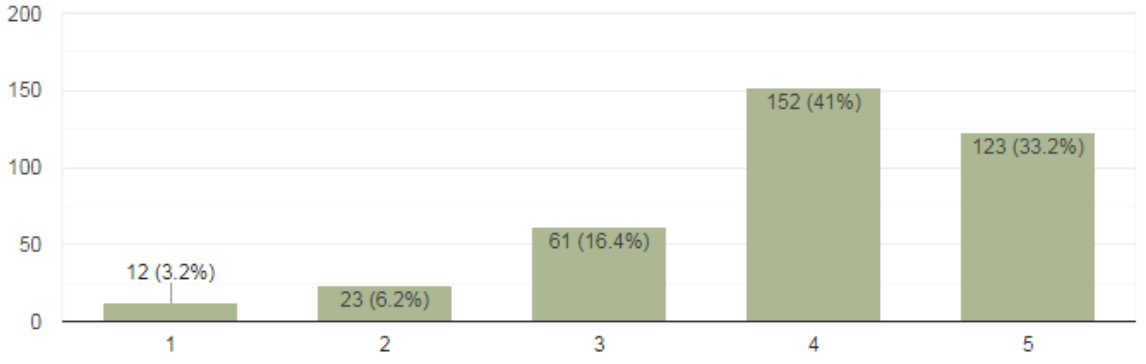
Dr. Manoj Gaur, Remedial Classes

371 responses



Dr. Sulochana Wadhwani, OBE Coordinator

371 responses



IMPACT ANALYSIS

Majority of the students who have submitted the feedback are of the opinion that –

i) Program helps in understanding about the institute and people
ii) Program will help in improving values and personality
iii) Feel more at ease with their peers
iv) Feel more oriented and prepared for future

Annexure-IV

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,GWALIOR

(A Govt. aided UGC Autonomous NAAC Accredited Affiliated to RGPV ,Bhopal)

Date:13TH NOV,2019

REPORT BY STUDENT'S COUNSELLOR ON ISSUE BASED COUNSELLING SESSION CONDUCTED FOR 1ST YEAR STUDENTS

OBJECTIVES OF THE SESSION:

1. Introduction of self and the role of counsellors in campus.
2. Overview of Counselling and Communication.
3. Efficacy and benefits of Counselling.
4. To encourage and support the students to avail the services available in the campus.
5. Enhancing Coping Skills.
6. Facilitating Behavioural Changes.
7. Improving Relationship.
8. Promoting Decision Making/ Problem Solving.
9. Self-Direction and Self Realization.
10. Reduce stigma around issues surrounding their mental health and academic well-being.

LECTURE AND DISCUSSION ON TOPIC 'SOCIAL STRESS'

Social stressors are "a class of characteristics, situations, episodes or behaviours that are related to psychological or physical strain and that are somehow social in nature."(Dormann and Zapf(2004)

What can be done to manage stress?

Be assertive:

Having a positive attitude towards self and others

It helps in managing the stressful situation as well in reducing their frequency.

Lack of assertiveness shows low self-esteem and confidence.

Communication skills improves assertiveness

It develops a feeling of self control

Getting organized:

Prioritizing objectives and activities makes them manageable and achievable.

Try not to do too much at once.

Time management:

Making a list

Cut out time wasting

Planning the day helps in achieving goals.

Ventilation of feelings and emotions

Writing a diary helps in realizing of feelings

Humour:

Stress reducer

Relieves muscular tension

Improves breathing

Look for your physical health:

Getting good sleep

Doing regular exercises.

Eat healthy

Maintaining healthy weight also reduces stress.

EXPECTED OUTCOME OF THE SESSIONS:

1. Students would be able to come for counselling sessions

2. Students would be able to plan and organize their day
3. Students would be able to deal with the daily hassles
4. Students asked questions related to stress and coping
5. Students would be able to come out of their misconceptions related to mental health

OBSERVATIONS:

1. Students were cooperative and seem concerned about balancing college and personal life.
2. They seemed very concerned about self-image
3. Time pressure and conflicting goals.
4. Lack development of self/self-management.
5. Students were actually concerned about mental fitness.
6. The feeling of inferiority/superiority was prominent among students.
7. Students lack connects with their faculties.

CONCLUDING REMARKS:

On the basis of the counselling sessions conducted I conclude that seeking mental health care may seem challenging to them. The students are enthusiastic to know the role of counselling in their overall development. The sessions for the academic year 2020 can be conducted in the month of Jan 2020on "**ANGER MANAGEMENT".**

(Dr. Sapna Kumari)
STUDENTS COUNSELLOR
MITS, GWALIOR

COPY TO:
DEAN STUDENTS WELFARE- For Information Purpose

DETAILS OF THE COUNSELLING SESSIONS CONDUCTED FOR 1st YEAR STUDENTS WITH THE HELP OF CLASS CO-ORDINATORS
FROM 4.11.19 TO 8.11.19
INTERACTIVE SESSIONS- ISSUE BASED COUNSELLING
BY: DR. SAPNA KUMARI
STUDENTS COUNSELLOR
MITS,GWALIOR

SL.NO	DATE	TIME	BRANCH	CLASS	NO. OF STUDENTS	GENDER		CATEGORY				
						M	F	UR&EW	OBC	SC	ST	AI

1.	4.11.19	10-11am	EE	1st year	100/151	78	22	57	23	14	2	4
2.	4.11.19	2-3 pm	AU	1st year	55/75	50	5	29	20	3	2	1
3.	4.11.19	2-3pm	CM	1st year	45/64	31	14	32	9	2	1	
4.	4.11.19	4-5pm	AR	1st year	37/40	15	22	19	9	6	1	2
5.	5.11.29	4-5pm	CE	1st year	92/152	72	20	50	16	14	10	2
6.	6.11.19	11-12pm	IT	1st year	39/75	30	9	19	10	6	1	3
7.	6.11.19	11-12pm	ET	1st year	34/69	27	7	19	12	1	1	1
8.	8.11.19	10-11pm	CS	1st year	65/155	46	19	35	7	19	2	2
9.	8.11.19	12-1pm	ME	1st year	75/151	65	10	49	12	9	3	2
10.	11.11.19	11-12pm	EC	1st year	101/137	76	25	53	28	13	1	6

(Dr. Sapna Kumari)
STUDENTS COUNSELLOR
MITS, GWALIOR

COPY TO:
DEAN STUDENTS WELFARE-For Information Purpose

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE GWALIOR

(A Govt. aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)

STUDENTS CLUB LIST - Session 2019-20

S. No.	Name of Club	Faculty Coordinator
1.	MITS –AID Club	Dr. Manish Sagar, Prof. Krishan Kumar
2.	Art Club	Prof. Pooja Sahu
3.	Dance Club	Prof. Parul Saxena
4.	Music Club	Dr. Shaurabh Bhattacharya
5.	Sports Club	Dr. B.P.S. Bhadauriya
6.	Fitness Club	Prof. R.P. Kori
7.	Naatya Munch	Dr. Alok Sharma, Dr. C.S. Malvi
8.	Wander Lust	Prof. Bhupendra K. Pandey, Prof. Shubhash Chandra Pal
9.	Personality Development Club	Dr. Anjali S. Patil, Prof. Shweta Singh
10.	Career Counselling Club	Prof. Swati Gupta,
11.	Querencia (Literary Club)	Dr. Sanjeev Khanna
12.	Photography & Film Club	Prof. D.K. Parsediya
13.	Holistic Health Club	Prof. Vishal Chaudhary
14.	MITS CODE WAR	Prof. Rajni Ranjan Makwana
15.	Innovation @ MITS	Dr. C.S. Malvi, Prof. Utkarsh Shrivastava
16.	Click (CSE/IT Emerging Tech. Club	Prof. Mahesh Parmar
17.	In Cube MITS	Prof. Akhilesh Tiwari
18.	Research Scholar's Club	Prof. Sulochana Wadhwani, Prof. Punjal Dohare
19.	Webbers Club	Prof. Abhilash Sonkar
20.	Finance Club	Prof. Vikash Shinde
21.	Waste Management Club	Prof. Aditya Ku. Agarwal, Prof. Nupur Gupta
22.	TEDX Club	Mr. Vikram S. Rajput
23.	International Opportunity Club	Prof. Rahul Anand
24.	ISC MITS Club	Mr. Vikram S. Rajput, Prof. Utkarsh Shrivastava
25.	Competitive Club	Prof. Praveen Bansal, Prof. Dharmendra Jain
26.	Animation Club	Prof. Amit Kumar
27.	Biotechnology Group of MITS	Dr. Sunita Sharma
28.	Foodies Club	Prof. Khushboo Agarwal
29.	Digital Learning Group	Prof. Punit Kumar Johari
30.	Creative Architects, MITS	Prof. Shefali Yadav
31.	Chemical Engineer's Group, MITS	Dr. R.K. Dubey, Dr. A. Sarve
32.	ASIMOV (Robotics Club)	Dr. Karuna Markam
33.	HAM Radio Society of MITS	Dr. Vandana Vikas Thakre
34.	The Speakers Club	Dr. Manish Dixit, Prof. Shweta Singh
35.	Sky roads (Gaming) Club	Prof. Neha Bharadwaj
36.	Analytics Club	Prof. D.K. Jain, Dr. Ashish Verma
37.	Concrete Structures	Prof. A.K. Saxena, Prof. Manish Bhardwaj
38.	Designer's Club	Prof. Sharad Agrawal
39.	October Sky (Rocket Club, MITS)	Prof. R.P. Narwaria, Prof. Rishabh Shukla
40.	Terrestrial Automobile Dev. Club	Prof. Vedansh Chaturvedi, Prof. Ajay Singh Rajput
41.	MITS Journalism Society	Prof. Anish P. Jacob
42.	Branding & Marketing Club	Mr. Vikram S. Rajput, Prof. Sulochana Nagar
43.	Technical Exhibition Club	Prof. Vijay Bhuria
44.	Hindi Club (Sanhita)	Prof. Angad Singh Ojha, Dr. Sachin Geed
45.	The Scrabble Club	Prof. Jaymala Jha, Prof. Namrata Agrawal
46.	The Quiz Club	Prof. Rajeev Singh, Prof. Dheeraj Gurjar
47.	Electronics Club	Dr. Rekha Gupta, Prof. Chaitanya Dhopte
48.	Aerospace Club	Dr. C.S. Malvi
49.	Girls Empowerment Club	Dr. Anjula Gaur
50.	Social Media Awareness Club	Dr. Sanjeev Sharma
51.	Disaster Management Awareness Club	Dr. Jyoti Vimal, Prof. Vinay Tyagi
52.	Information & Broadcast Club	Prof. Rajni Ranjan Makwana
53.	Red Ribbon Club	Dr. Manish Sagar

54.	Rotract Club	Prof. Deepak Rastogi, Prof. Vikas Shukla
55.	IOT Internet of Things	Prof. Khushboo Agrawal

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Club Activity Details (July to Oct. 2019)

S. No.	Name of Activity	Level of Activity	Date	Activity Details in brief	No. of students participated	Achievement, if any
Name of Club: IETE Student Forum					**Faculty Coordinator: Dr. Vandana Vikas Thakare**	
1.	Obstacle Avoider Robot Workshop	Inter College	14/09/2019 to 15/09/ 2019	Sequential assembling of all the parts of the robot was done by the students and the robot was created. Every team had put their efforts in the robot and made it ready to run on the track for the competition.	181	The winning team was team No.10 from MITS Gwalior. 1. Amrita Srivastava - EC 2. Rishuraj Singh - Mech. 3. Disha Chaurasia - ET 4.Khushbu Jain - ET 5. Sahil Yadav. - EC
2.	Expert Talk on World Standards Day	Intra College	14th October 2019	On the occasion of "World Standards Day", IETE student Forum in association with Institution of Engineers(India) Gwalior Chapter organized an Expert talk on "Recent Developments and standards in Wireless Communication by "Prof. K.V. Arya" from IIITM Gwalior on 14th October 2019. IETE student forum members attended the lecture along with the members of Institution of Engineers (India).	60	An elaborated knowledge covering different aspects of communication technology, evolution and different standards of 2G, 3G, 4G, 5G, 6G and even 7G was delivered in the talk.
Name of club: HOLISTIC HEALTH CLUB MITS GWALIOR					**Faculty Coordinator: Prof. Vishal Chaudhary**	
2.	**"Yoga Session"** for the first year students during induction program 2019.	College	25/08/2019	The session was started in the morning at 7:00 am. The various Aasan and Prayer have conducted for the students to enhance the energy level and increase the mental ability. Dr Anjula Gaur and Prof. Vishal Chaudhary have coordinated the session in MITS Premises.	200	Session was organised by Mr. Pradeep Jain, Art of living.
3.	"Art of Living – **SELP" (Student Excellence and Learning Program)**	College	26/08/2019 to 31/08/2019	The program is claimed to be very useful for the students to improve overall performance boosting confidence enhancing creativity and communication that helps in developing their leadership and team building skills to develop personality,	900	Very wide coverage of the event in the local Newspapers. Great experience & understood need of pranayam/yoga/ sudarshan kriyan etc. through philosophy & daily practice.

	under TEQIP-III			eliminate mental stress and improve the physical health of an individual.		
Name of Club: Terrestrial Automobile Development Club					**Faculty Coordinator : Prof. Vedansh Chaturvedi**	
4.	3D Modelling and Animation	Institute	21/09/2019	This activity Covered following topics: 1. Automotive Visual Design Language 2. Car Designing Process 3. Basics of Car Sketching 4. Basic tools of MAYA software 5. Basics of 3D Modeling 6. Car's logo's and their history	37	-NA-
Name of Club: International Opportunity Club					**Faculty Coordinator: Prof. Rahul Anand**	
5.	MOODLE Interactive Course	Institute	Course Open Date: 22/08/2019	Institute MOODLE Course titled *"International Opportunity Club"* providing updated information about International Exams for 2019-20 (Information dissemination) http://moodle.mitsgwalior.in/course/view.php?id=603	50+	-NA-
6.	Purpose and Significance	Institute (First Year Students)	24/08/2019	*'Orientation Program'* for 2019 admitted B.Tech students (10 am to 1pm slot)	300+	-NA-
7.	Talk on *"GRE®: Why and How"*	Department (Chem. Engg + Biotech)	11/10/2019	Talk described the applications procedure, score, types, significance, fees and advantages of GRE®	8	-NA-
Name of Club : Concrete Structures Club					**Faculty Coordinator: Prof. A. K. Saxena &Manish Bharadwaj**	
8.	ICI Student Chapter	College	08/08/2019	Inauguration ceremony of ICI Student Chapter, MITS Gwalior held in presence of office bearers of ICI Gwalior Centre.	45	Distribution of membership certificates
9.	Expert Lecture By Er. R. Chalisgaonkar (Retd. Chief Engineer WRD Uttrakhand)	College	08/08/2019	Reinforcement detailing	65	-NA-
10.	Training Workshop (10 Hrs Duration) on Mix Design Of Concrete	College	27/09/2019	Mix Design Procedure	62	-NA-
11.	Webinar	National	27/09/2019	"Concrete For Today & Tomorrow", by Er.S.S.Kutumble (Chairman & M.D. Kutumble Const. Pvt Ltd. Indore)	65	-NA-
12.	Logo Design	Institute	Under	ICI student Chapter Logo TO be Framed	--	-NA-

	Competition		Process			
Name of Club : SPIC MACAY HERITAGE CLUB						**Faculty Coordinator: Dr. Manish Dixit**
13.	Rajasthani Sufi Performance	Institutiona l Level	03 /09/ 2019	Sufi songs have been performed by Rajasthani Sufi group of Artist.	1500	-NA-
Name of Club : IEEE Student Chapter						**Faculty Coordinator: Dr. Manish Dixit**
14.	Engineers Day Celebration	State Level	16 /09/2019	Engineer's day celebration in memory of Sir Mokshagundam Visvesvaraya. Top 11 engineers of the city and state were felicitated	100	-NA-
15.	Lecture on "Winning your graduation goals through programming"	Deptt. Level	22 /08/2019	An informative talk for First year newly admitted students on "Winning your graduation goals through programming" by Mr. Ashish Khare, Software Development Engineer, Symantec, Norton Anti Virus Division.	150	-NA-
Name of Club : ISTE Student Chapter						**Faculty Coordinator: Prof. Vishal Chaudhary & Dr. Manjaree Pandit**
16.	Presentation of ISTE STUDENTS' CHAPTER MITS	College level	20/08/2019	Induction programme activity	900	Brief work of ISTE is presented
17.	WORKSHOPS: i. AUTODESK AUTOCAD ii. ROBO EXPEDITION iii. ARDUINO	College level	21/09/2019 to 22/09/2019	Workshops on latest technology trending in the market.	220	Not Applicable
18.	X-CALIBRE	National level	27/09/2019	A mock campus placement test.	115	1.Shubham Chaubey 2.Saksham Dixit 3.Muskan Saxena
19.	Stock Market Challenge	College level	21/09/2019 to 22/09/2019	Event on Mobile application of virtual money investment.	70	1. Aman Khan 2.Sharad Kushwah
20.	SILENT DISCO GLOW IN THE DARK	College level	28/09/2019	Gwalior's first ever fun disco event without noise.	100	Not Applicable
Name of Club: Rotaract Club						**Faculty Coordinator : Prof. Deepak Rastogi & Prof.Vikas Shukla**
21.	Wellness Camp	College	24/08/2019	BMI Check up of students	100	-NA-

Name of Club: SPORTS CLUB						**Faculty Coordinator: Dr. B.P.S. Bhadoria**
22.	Shuttle Busters (Badminton)	College Level	20/09/2019 to 30/09/2019	**Winner Singles (Boys) :** Amit Uikey, IIIrd year Civil **Winner Singles (Girls):** Urvashi Sisodia, IInd year EC	60	-NA-
23.	Supastrikas (Football Tournament)	College Level	12/10/2019 to 14/10/2019	**Winner :** Hostel Alfa Team	12 Team	-NA-
24.	Rapid Satranj (Chess)	College Level	12/10/2019 to 13/10/2019	**Winner :** Vishal Mudliyar, IIIrd Year CE	28	-NA-
Name of Club: Terrestrial Automobile Development Club						**Faculty Coordinator: Vedansh Chaturvedi**
25.	3D Modelling and Animation	Institute	21-09-2019 (Room No.-112)	This activity Covered following topics: 1. Automotive Visual Design Language 2. Car Designing Process 3. Basics of Car Sketching 4. Basic tools of MAYA software 5. Basics of 3D Modeling 6. Car's logo's and their history	37	-NA-
Name of Club: ASIMOV Robotics Club						**Faculty Coordinator: Dr. Karuna Markam**
26.	Orientation Program	College	24/08/2019	For First Year Students	200	-NA-
27.	One Day Workshop in association with IIT Bombay	College	06/10/2018	Robotics and CODING-PYTHON	50	-NA-
Name of Club: ART CLUB						**Faculty Coordinator: Prof. Pooja Sahoo**
28.	Khayaali picture	College	12/10/2019	Provide A Story To The Students, That They Can Assume How It Actually Seen In Real Life Then They Draw Their Assuming Picture In Providing Art Sheet. Venue- room no.114	12	Certificate and trophy **Winner:** Smiriti Garg CE-2nd year
29.	Untrash	College	12/10/2019	Venue- room no.114 Utilizing the best from unwanted things has become a generic necessity of every human's life. These craft from waste activities can be incorporated to make for a greener future.	10	Certificate to all **Winner:** Riya Gohere 1st year ET
30.	Expert talk	College	17/10/2019	Mr. Chakravarti Das, Symbiosis Pune, Ex HR of Wipro and Infosys deleiver lecture on art of Mediation and impact on education and personality development.	70	-
Name of the club: MITS Journalism Society						**Faculty Coordinator: Prof. Anish P. Jacob**
31.	Interview with T&P officer	Intra college	29/07/2019	Interview with the training and placement officer about the placement process	One	-
32.	Director's Interview	Intra	03/08/2019	A comprehensive and extensive interview with the director	One	-

		college		of the college about various issues of the college		
33.	Open dialogue	Intra college	07/09/2019	An open discussion between Faculty members and college students on the topic "Green urbanism".	240 students	-
34.	A video shoot on the issue of "Patthar workers" outside the college.	Gwalior based	14/10/2019	A detailed video regarding the problems faced by "Patthar workers" living outside our college.	10 students	-
35.	Covered ISRO space exhibition	Inter college	13/10/2019 - 15/10/2019	Extensively covered ISRO space exhibition and made press releases and reports for the same.	10 students	-
36.	Interview with MITS Alumni Akhilesh Sharma	Inter college	15/10/2019	Interviewed MITS Alumni and ISRO scientist Akhilesh Sharma	One	-
37.	Poetry series	Intra college	-	Started a new series of videos by the name, "Kavya Shrinkhala" with first video with faculty member Dr. CS Malvi	-	-
Name of club: Photography club					**Faculty coordinator: Deep Kishore Parsediya**	
38.	SYAAHI	Inter college	28/10/2019	"SYAAHI" was an open mic event(singing, poetry, storytelling, stand-up comedy) organized by Photography and Film club and Nojoto(renowned social media platform). Nojoto was an intercollege event having total no. of registration over 170+ among which 30 performers were selected to perform under the banner of Nojoto. The guests were NeerPushpendra Singh and MayankVerma. The event was covered successfully with an audience crowd of 100 people	30 participants	The following participants were chosen as winner among all participants, 1. Srishti chaturvedi 2. Chandrapal singh yadav 3. Disha Namdev
39.	FOCUS – 3	Inter college	07/09/2019	Click the picture and submit it in original form. The best pictures will be awarded with prize.	57 participants	1st price – Paras Sahu 2nd price –ishaanRai 3rdprice - Jatin Kishore Patel

Annexure-V

Online Mid-Semester Examination

An initiative toward paperless examination, it is proposed to conduct mid semester examination in online mode. Following are the key features of examination,

1) Examination will be conducted using computers (student may utilize pen tablet (such as Wacom) for speedup, if required)
2) Copies are submitted online to the Moodle account
3) Answer scripts will be evaluated by the subject teacher in the online mode through Moodle.
4) Students can download their evaluated copies and can give comment for rechecking or any correction in online mode
5) Teacher can download all the answer script, summary for future reference

Technical Details

1) Xournal free software (GNU GPL) is utilized for online writing
2) Student can use keyboard for writing and draw figures using mouse (all the necessary utilities are inbuilt in the Xournal software)
3) Students may purchase their own pen tablet to speed up the writing process (suggested brand-wacom)
4) During the examination Internet facility is not available.
5) After the examination students will upload their answer script (in pdf format) on their moodle account.
6) Subject teacher will evaluate copies in the online mode. Evaluated copies are instantaneously supplied to the student account.
7) Student can see evaluated copies and can download also
8) In case of any correction student may give comment to the subject teacher.
9) Subject teacher can recheck the answer scripts
10) All the answer scripts will all metadata will be available on the moodle server for future reference.

Conduction Summary

A MID Semester examination of subject “Software Engineering” code 160502 has been conducted in the online mode of 62 students on 17 Oct 2019. Additional 30 minutes

are given for online mode(total time 90 minutes). Examination has been conducted successfully without any issue.

Annexure- VI

Large file Available on Website

Annexure- VII

REPORT OF ACADEMIC AUDIT
Date - (31.8.2019 & 01.9.2019)

S. No.	Name of the Department Date: 31.8.2019 & 01.9.2019	CIVIL	MECH.	AUTOMO.	ELECT.	ELEX.	ET	CSE	IT	CHEM.
Criterion I: Availability of Records & Data Management										
1	Time Table File (Master, Class, Faculty, Lab, Staff)	5	5	5	4	4	4	4	4	5
2	Question paper analysis report **(End/mid-term & action taken)**	3	4	4	3	3	3	3	3	2
3	Files of various Departmental Coordinators **(List of Departmental Coordinators,/Incharge assigned by Deptt. for various activities and record of assigned task)**	3	4	4	3	3	3	4	4	3
4	Compilation of quarterly e-news letter **(Availability on deptt. page on Institute website)**	3	4	4	3	3	3	4	4	3
5	Result Analysis & action taken report	4	3	3	3	2	2	3	3	4
6	CO & CO attainment for academic year 2017 - 18 for all courses **(Actions taken for improvement where COs fall below the target)**	4	3	3	4	4	4	4	4	2
7	PO & PSO attainment for academic year 2017-18	4	4	3	4	3	3	3	3	2
8	Status of department page on institute website **(Uploading of achievements, photos, up to date information for branding and marketing of the department)**	4	4	4	3	4	4	4	4	4
9	Analysis & action taken reports on previous Audit reports	3	4	4	3	3	3	4	4	3
10	List of departmental files, maintenance of general records	2	4	4	3	4	4	4	4	3
11	Faculty feedback analysis/Corrective action **(Computation of FFI on a 5 point scale for two feedbacks in each semester,signed records of each faculty)**	3	3	3	3	3	3	3	3	3
12	Minutes of meetings of department	5	4	4	2	4	4	5	4	4
Criterion II: Teaching Learning Practices										
13	Course Files including MOODLE attendance records, Lecture Plan, Sample Mid-Sem A/Bs	3	3	3	3	3	3	3	3	3
14	Availability of course material on MOODLE **Lecture Plans, Syllabus, Notes, PPTs, Unit Wise Question Banks, Previous year papers, Gate oriented questions, Attendance, etc.)**	3	4	4	3	4	4	3	3	2

S. No.	Name of the Department	CIVIL	MECH.	AUTOMO.	ELECT.	ELEX.	ET	CSE	IT	CHEM.
15	Records of MOODLE utilization, analysis of on-line quiz, assignments on MOODLE, its evaluation **(MWI) (Any other innovative teaching methods in practice)**	3	3	3	3	4	4	4	4	4
16	Allotment of B.E./B.Arch./MCA projects **(List, classification, assessment & evaluation tools)**	3	4	4	3	4	4	3	3	2
17	Allotment of M.E. dissertation topics **(List, classification, assessment & evaluation tools)**	3	4	4	3	3	3	4	4	3
18	Dissertation presentation records-ME/M. Tech./M.Arch.	3	4	4	4	3	3	4	4	3
19	Lab manuals/instruction sheets given to students	3	2	2	3	2	2	2	2	4
20	Lab records of students/Report made by students	4	2	2	3	3	3	2	2	2
21	Lab utilisation/access register/record	3	3	2	4	3	3	4	4	3
22	Seminar presentation records-ME/M.Tech/M.Arch **(List of topics, mode of conduction)**	3	3	2	3	3	3	3	3	3
23	Records of SWAYAM/NPTEL courses conduction **(Attendance, evaluation, award of marks)**	2	3	3	3	4	4	4	4	4
24	Number of faculty members registered for SWAYAM/ NPTEL Course/ Number who cleared exam and Earned credits	3	3	3	3	4	4	5	5	0
25	Criteria for awarding Internal marks **(Records)**	4	4	3	4	3	3	4	4	3
26	Collaborations established with industry, institute, research organization & activities conducted	3	3	2	3	4	4	4	4	0
27	Annual Success Index, with /without backlog **(Number of students who have graduated from the program with/without backlog)/(Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry)**	3	3	2	3	2	3	3	4	3
28	Academic Performance Index of last 3 years **(Mean of 2nd year CGPA of all successful students) x (Number of successful students/Number of students appeared in the examination) Successful students: Those who proceed to the third year**	3	3	2	3	2	3	3	4	3
29	Placement Index = (Number of students placed on/off campus + Students who went for higher studies + started their own business)/Total final year students	2	3	2	3	3	3	3	4	3
S.	**Name of the Department**	**CIVIL**	**MECH.**	**AUTOMO.**	**ELECT.**	**ELEX.**	**ET**	**CSE**	**IT**	**CHEM.**

No.										
Criterion III: Quality Improvement Initiatives										
30	Curriculum development **(BoS files, minutes of workshops, meeting, feedback of stakeholders)**	3	3	3	3	3	3	4	4	3
31	New equipment/facilities created/labs developed	2	1	0	5	4	4	2	2	2
32	Record of students' participation in extra & co-curricular activities within and outside the Institute	2	3	2	3	3	3	4	4	3
33	Available Professional Societies/chapters and Technical events conducted under Societies. **Chapters (Name of chapter, List of student members, list of activities conducted & number of participants)**	2	3	3	4	3	3	4	4	1
34	Records of attendance of Remedial classes, counselling **(Impact analysis and measures for improvements)**	0	3	3	3	3	3	1	0	3
35	Records & report of Industry visits/tours	2	1	2	3	4	4	2	2	3
36	Events and activities conducted by the department **(Workshop/FDPs/Seminar/Training etc.)**	2	4	3	4	3	3	4	4	2
37	Extension activities conducted at the department level **(Format: Title, collaborating agency such as NGO, Govt. Organizations, Red cross, industry, community clubs and organizations if any, number of teachers involved, no. of students participated, separate count for Male/Female in case of Gender Equity activities)**	3	4	3	3	4	4	3	3	2
38	Records of expert lectures conducted **(Dates, resource person, topic, student attendance)**	2	3	3	2	0	0	3	3	3
39	Training programmes attended by faculty **(Format: S.No., Faculty name, title, place duration)**	3	4	3	4	4	4	3	3	3
40	Training programmes attended by staff **(Format: S.No., name of staff, title, venue/place, duration)**	2	3	3	4	2	2	2	2	3
41	Workshops/Seminars/Conferences attended, papers presented by faculty. **(Format : S.No., Faculty name, title, place, duration)**	2	4	3	3	1	1	2	2	3
42	Research projects **(Submitted, Sanctioned, Ongoing, Completed & UC sent during evaluation period) (Format: Faculty, agency, file number, duration, amount, status)**	2	3	3	4	0	0	3	3	3
S. No.	**Name of the Department**	**CIVIL**	**MECH.**	**AUTOMO.**	**ELECT.**	**ELEX.**	**ET**	**CSE**	**IT**	**CHEM.**

43	Papers published **(Journals/conferences) (Format: Authors, title, volume, page nos, year,Impact factor, whether SCI, UGC approved, Scopus or other indexing)**	2	4	2	3	3	3	4	4	4
44	Faculty as resource persons **(Format: Name, activity, place, duration, title (for expert lectures), venue, Role (such as committee member outside institution as an expert, reviewer, delivered expert/invited talk, organizing)**	4	2	2	3	0	0	3	3	2
45	Patents **(Published/awarded/filed/initiatives taken)**	0	4	1	0	0	0	0	0	0
46	Books and Book Chapters published by Faculty	0	4	1	3	1	1	5	5	3
47	Best practices of the department **(Any two, in format provided)**	3	3	3	3	2	2	4	4	3
48	SWOT/SWOC analysis	3	3	3	4	1	1	3	3	4
49	Any other relevant achievements	3	3	3	3	3	3	5	5	4
50	Overall comments/Remark **(if any)**	3	3	3	3	3	3	3	3	3
Total Points		**139**	**165**	**144**	**159**	**141**	**143**	**167**	**168**	**140**

(Signatures of Auditors)

(Dr. Pratesh Jayaswal) **(Dr. Sulochana Wadhwani)** **(Dr. Rajeev Kansal)** **(Dr. P.K. Singhal)** **(HoD of Concerning Department)**

Member **Member** **Member** **Member** **Member**

(Dr. Manjaree Pandit)
(Dean Academic)

(Dr. R.K. Pandit)
Director

Results of Academic Audit

Date - (31.8.2019 & 01.9.2019)

Engineering Departments

Criterion	CIVIL	MECHANICAL	AUTOMOBILE	ELECTRICAL	ELECTRONICS	ELEX. & TELE.	CSE	IT	CHEMICAL
Criterion I: Availability of Records & Data Management	43	46	45	38	40	40	45	44	38
Rank (Criterion - I)	**IV**	**I**	**II**	**VI**	**V**	**V**	**II**	**III**	**VI**
Criterion II: Teaching Learning Practices	51	54	47	54	54	56	58	61	45
Rank (Criterion - II)	**V**	**IV**	**VI**	**IV**	**IV**	**III**	**II**	**I**	**VII**
Criterion III: Quality Improvement Initiatives	45	65	52	67	47	47	64	63	57
Rank (Criterion - III)	**VIII**	**II**	**VI**	**I**	**VII**	**VII**	**III**	**IV**	**V**
Total Points Obtained	**139**	**165**	**144**	**159**	**141**	**143**	**167**	**168**	**140**
Aggregate Points# (Total applicable Parameters for BE Civil, Mech., Automo., Elect., Elex., ET, CSE, IT and Chem.= 50)	250	250	250	250	250	250	250	250	250
Percentage	**55.60**	**66.00**	**57.60**	**63.60**	**56.40**	**57.20**	**66.80**	**67.20**	**56.00**
Rank (Overall)	**IX**	**III**	**V**	**IV**	**VII**	**VI**	**II**	**I**	**VIII**

 # Based on applicable parameters

Compiled By :

(Dr. Manjaree Pandit)
Dean Academic

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

REPORT OF ACADEMIC AUDIT

Date - (28.9.2019)

S. No.	Name of the Department	BIOTECHNOLOGY	APPLIED SCIENCES	HUMANITIES	ARCHITECTURE
Criterion I: Availability of Records & Data Management					
1	Time Table File (Master, Class, Faculty, Lab, Staff)	4	4	4	4
2	Question paper analysis report **(End/mid-term & action taken)**	4	3	2	2
3	Files of various Departmental Coordinators **(List of Departmental Coordinators,/Incharge assigned by Deptt. for various activities and record of assigned task)**	4	2	3	4
4	Compilation of quarterly e-news letter **(Availability on deptt. page on Institute website)**	3	3	2	5
5	Result Analysis & action taken report	3	3	3	4
6	CO & CO attainment for academic year 2017 - 18 for all courses **(Actions taken for improvement where COs fall below the target)**	4	4	3	3
7	PO & PSO attainment for academic year 2017-18	4	-	-	-
8	Status of department page on institute website **(Uploading of achievements, photos, up to date information for branding and marketing of the department)**	3	3	2	4
9	Analysis & action taken reports on previous Audit reports	4	3	3	4
10	List of departmental files, maintenance of general records	4	3	4	4
11	Faculty feedback analysis/Corrective action **(Computation of FFI on a 5 point scale for two feedbacks in each semester,signed records of each faculty)**	4	4	3	3
12	Minutes of meetings of department	4	4	3	4
Criterion II: Teaching Learning Practices					
13	Course Files including MOODLE attendance records, Lecture Plan, Sample Mid-Sem A/Bs	4	3	3	5

S. No.	Name of the Department	BIOTECHNOLOGY	APPLIED SCIENCES	HUMANITIES	ARCHITECTURE
14	Availability of course material on MOODLE **Lecture Plans, Syllabus, Notes, PPTs, Unit Wise Question Banks, Previous year papers, Gate oriented questions, Attendance, etc.)**	4	4	3	3
15	Records of MOODLE utilization, analysis of on-line quiz, assignments on MOODLE, its evaluation **(MWI) (Any other innovative teaching methods in practice)**	4	4	3	4
16	Allotment of B.E./B.Arch./MCA projects **(List, classification, assessment & evaluation tools)**	4	-	-	4
17	Allotment of M.E. dissertation topics **(List, classification, assessment & evaluation tools)**	-	-	-	4
18	Dissertation presentation records-ME/M. Tech./M.Arch.	-	-	-	4
19	Lab manuals/instruction sheets given to students	4	4	4	3
20	Lab records of students/Report made by students	3	4	4	4
21	Lab utilisation/access register/record	3	4	5	3
22	Seminar presentation records-ME/M.Tech/M.Arch **(List of topics, mode of conduction)**	-	-	-	5
23	Records of SWAYAM/NPTEL courses conduction **(Attendance, evaluation, award of marks)**	4	-	-	0
24	Number of faculty members registered for SWAYAM/NPTEL Course/ Number who cleared exam and Earned credits	4	1	3	2
25	Criteria for awarding Internal marks **(Records)**	4	3	4	3
26	Collaborations established with industry, institute, research organization & activities conducted	3	3	0	0
27	Annual Success Index, with /without backlog **(Number of students who have graduated from the program with/without backlog)/(Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry)**	4	-	-	4
28	Academic Performance Index of last 3 years **(Mean of 2nd year CGPA of all successful students) x (Number of successful students/Number of students appeared in the examination) Successful students: Those who proceed to the third year**	4	-	-	0

S. No.	Name of the Department	BIOTECHNOLOGY	APPLIED SCIENCES	HUMANITIES	ARCHITECTURE
29	Placement Index = (Number of students placed on/off campus + Students who went for higher studies + started their own business)/Total final year students	2	-	-	4
Criterion III: Quality Improvement Initiatives					
30	Curriculum development **(BoS files, minutes of workshops, meeting, feedback of stakeholders)**	3	3	3	3
31	New equipment/facilities created/labs developed	0	1	2	0
32	Record of students' participation in extra & co-curricular activities within and outside the Institute	3	-	-	4
33	Available Professional Societies/chapters and Technical events conducted under Societies. **Chapters (Name of chapter, List of student members, list of activities conducted & number of participants)**	0	0	0	2
34	Records of attendance of Remedial classes, counselling **(Impact analysis and measures for improvements)**	-	2	2	2
35	Records & report of Industry visits/tours	4	-	-	4
36	Events and activities conducted by the department **(Workshop/FDPs/Seminar/Training etc.)**	2	3	0	1
37	Extension activities conducted at the department level **(Format: Title, collaborating agency such as NGO, Govt. Organizations, Red cross, industry, community clubs and organizations if any, number of teachers involved, no. of students participated, separate count for Male/Female in case of Gender Equity activities)**	0	3	0	0
38	Records of expert lectures conducted **(Dates, resource person, topic, student attendance)**	0	-	-	2
39	Training programmes attended by faculty **(Format: S.No., Faculty name, title, place duration)**	2	4	2	3
40	Training programmes attended by staff **(Format: S.No., name of staff, title, venue/place, duration)**	-	2	-	0
41	Workshops/Seminars/Conferences attended, papers presented by faculty. **(Format : S.No., Faculty name, title, place, duration)**	3	3	2	2
42	Research projects **(Submitted, Sanctioned, Ongoing, Completed & UC sent during evaluation period) (Format: Faculty, agency, file number, duration, amount, status)**	2	2	3	0
S. No.	**Name of the Department**	**BIOTECHNOLOGY**	**APPLIED SCIENCES**	**HUMANITIES**	**ARCHITECTURE**

43	Papers published **(Journals/conferences) (Format: Authors, title, volume, page nos, year,Impact factor, whether SCI, UGC approved, Scopus or other indexing)**	3	3	1	2
44	Faculty as resource persons **(Format: Name, activity, place, duration, title (for expert lectures), venue, Role (such as committee member outside institution as an expert, reviewer, delivered expert/invited talk, organizing)**	2	1	0	2
45	Patents **(Published/awarded/filed/initiatives taken)**	3	0	0	0
46	Books and Book Chapters published by Faculty	0	4	0	0
47	Best practices of the department **(Any two, in format provided)**	2	3	3	4
48	SWOT/SWOC analysis	3	2	3	4
49	Any other relevant achievements	3	2	2	4
50	Overall comments/Remark **(if any)**	3	3	3	3
	Total Points	**134**	**107**	**87**	**135**

(Dr. Manjaree Pandit)
(Dean Academic)

(Dr. R.K. Pandit)
Director

Results of Academic Audit

Date - (28.9.2019)

Other Departments

Criterion	**BIOTECHNOLOGY**	**APP. SCIENCES**	**HUMANITIES**	**ARCHITECTURE**
Criterion I: Availability of Records & Data Management	45	36	32	41
Rank (Criterion - I)	**I**	**III**	**IV**	**II**
Criterion II: Teaching Learning Practices	51	30	29	52
Rank (Criterion - II)	**II**	**III**	**IV**	**I**
Criterion III: Quality Improvement Initiatives	38	41	26	42
Rank (Criterion - III)	**III**	**II**	**IV**	**I**
Total Points Obtained	**134**	**107**	**87**	**135**
Aggregate Points# (Total applicable Parameters for BE Biotech. (50-5 = 45), Applied Science (50-12 = 38), Humanities (50-13 = 37) and Architecture (50-1 = 49)	225	190	185	245
Percentage	**59.56**	**56.32**	**47.03**	**55.10**
Rank (Overall)	**I**	**II**	**IV**	**III**

 # Based on applicable parameters

Compiled By :

(Dr. Manjaree Pandit)
Dean Academic

Annexure-VIII

Large File Available on Website

Annexure-IX

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)

SPORTS ACHIEVEMENTS 2019

S. No.	Name of Activity	Level of activity	Organized by	Date	Achievement/Winner
1	Badminton (Girls)	Gwalior Nodal Level	IPS College, Gwalior	08/08/2019 to 09/08/2019	Winner
2.	Badminton (Boys)	Gwalior Nodal Level	IPS College, Gwalior	08/08/2019 to 09/08/2019	Winner
3.	Basketball (Girls)	Gwalior Nodal Level	MITS, Gwalior	31/08/2019 to 01/09/2019	Winner
4.	Basketball (Boys)	Gwalior Nodal Level	MITS, Gwalior	31/08/2019 to 01/09/2019	Runner up
5.	Table Tennis (Girls)	Gwalior Nodal Level	NITM, Gwalior	30/09/2019 to 01/10/2019	Winner
6.	Table Tennis (Boys)	Gwalior Nodal Level	NITM, Gwalior	30/09/2019 to 01/10/2019	Winner
7.	Football (Boys)	Gwalior Nodal Level	SRCEM, Banmore, Morena	13/08/2019 to 14/08/2019	Runner up
8.	Vollyball (Girls)	Gwalior Nodal Level	RJIT, Tekanpur, Gwalior	07/10/2019	Winner
9.	Vollyball (Boys)	Gwalior Nodal Level	RJIT, Tekanpur, Gwalior	07/10/2019	Runner up
10.	Cricket (Boys)	Gwalior Nodal Level	ITM, Gwalior	15/10/2019 to 18/10/2019	Winner
11.	Chees (Boys & Girls)	Gwalior Nodal Level	BITS, Gwalior	25/09/2019 to 26/09/2019	Runner up

Dr. BPS Bhadoria
Sports Officer

Annexure-X

TEQIP-III: Status for Achievements as High Performing Institute

Sr. No.	Criteria for 1.1 institutions	Targets for High performing (min. 5 out of 7 required)	Institute Achievement	Details
1	Actual Expenditure of revised PLA (15 Cr.)	65% (mandatory)	68%	-Till date Institute has completed the 68% expenditure against PLA. -100% Procurement has completed.
2	DLIs achieved (till 15th Sept. 2019) : 1. NBA Accredited/ applied for UG programs - 50% 2. Trained more than 70% final year students for exit exams 3. BoG meetings (June 2018-Sept. 2019): 4+1 4. Autonomy (UGC/as per PIP)	Min 2 out of 4 (mandatory)	2 ,3 & 4	-Institute has trained 77% final year students for exit Exam (Employability Skill Training/GATE Training) -Institute is UGC autonomous Institute. -Till 28th September Institute will complete the 5 number of BoG Meetings during June 2018-Sept. 2019.
3	Transition Rate from 1st year to 2nd year (SC/ST)	50%	61.01%	-Through various initiatives for remedial Classes, transition rate of SC/ST students from I Year to II Year is achieved as 61.01%. With overall transition rate of **80.71%**.
4	Twinning: Institutions must score 75% or more of the weightage (**grade less than 1.5)** for their twinning activities when reviewed in the 2nd Performance Audit	Yes	Yes*	Institute has scored Twinning **Score 1.41** in Second Performance Audit.
5	Performance Audit: Institutions must score 75% or more of the weightage **(grade less than 1.5**) for overall performance when reviewed in the 2nd Performance Audit	Yes	Yes*	Performance Audit Score achieved 1.27 in Second Performance Audit.
6	R & D: 1. establish research collaborations 2. undertake industry consultancy 3. organize/participate in hackathon 4. file at least 1 patent	Any 2 out of 4	All (1,2,3 &4)	-AICTE has sanctioned 11 CRS projects for Institute. -Completed Consultancy Assignments as required. -Students of Institute has won the first Prize in Hackathon conducted by AICTE. Institute has also conducted Hackathon in Feb 2019. -Institute has filed **Six patents**.
7	MIS data entry	90%	100%	All data entry has completed

Annexure –X

ENHANCING THE CAPABILITIES OF TECHNICAL EDUCATION

A

Report
on

Facilities Created/Developed/Up-graded/Modernized
Under

TEQIP-III

(Technical Education Quality Improvement Program-III)

A Government of India, Ministry of Human Resources Development and World Bank Initiative In partnership with State Governments of India

(September 2017-September 2019)

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal)

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1.2	Project Strategy	3
1.3	Project Design	4
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1. Introduction:

The Project, Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Twelfth Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States (SCS) and support to strengthen few affiliated technical universities to improve their policy, academic and management practices.

1.1 Project Objectives:

The Project will focus on the following objectives:

- Improving quality and equity in engineering institutions in focus states viz. 7 Low Income States (LIS), eight states in the North-East of India, three Hill states viz. Himachal Pradesh, Jammu & Kashmir, Uttarakhand and Andaman and Nicobar Islands (a union territory (UT))
- System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions, and
- Twinning Arrangements to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.

1.2 Project Strategy:

The project will be implemented in alignment with the 12th Five Year Plan (2012-17), based on faster, sustainable, and inclusive growth. It emphasizes increasing the supply of highly- skilled workers to drive the economy, as well as helping low-income states catch up with their more advanced neighbours.

The Project will be implemented through the Ministry of Human Resource Development (MHRD) of the Government of India as a Central Sector Scheme (CSS), wherein 100% funds will be provided as grants to the States, Institutions& ATUs.

The funding pattern details with respect to Government funded, Government aided institutions and ATUs are given in Section 6.

A set of Government orders for States and UTs is to be issued to achieve a high and sustained impact of the Project. These orders are to give the project institutions adequate decision making powers that will enable and encourage them to deliver quality education and undertake research in an efficient manner. The primary focus is to increase empowerment of institutions for self-governance and create incentives for achieving excellence in engineering education.

The project institutions will be required to implement academic and non-academic reforms within their self-conceived development programmes that focus on quality and relevance, excellence, resource mobilization, greater institutional autonomy with accountability, research and equity.

Professional development programmes for engineering-education policy planners, administrators and implementers at the Central, State and University levels will be

organized. The Project will also support development of more efficient governance activities. The Project will lay major emphasis on monitoring and evaluation. The prime responsibility of monitoring will lie with the institutions themselves. The management structure at the Institutional level i.e. the Board of Governors (BoG) along with Head of the institution will monitor the progress of Institutional projects on a regular basis and provide guidance for improving the performance of institution in project implementation. The information from project institutions will be collected through a scalable web-based Management Information System (MIS). State Governments will also regularly monitor and evaluate the progress of institutions. The Government of India and the World Bank will conduct bi-annual Joint Reviews of the Project with assistance from the National Project Implementation Unit (NPIU). The monitoring will be based on Institutional Development Proposals (IDPs) and Action Plans for ATUs prepared by each project institution and achievements will be measured through a set of performance indicators. The monitoring will focus on implementation of reforms by institutions, achievements in project activities under different sub-components, procurement of resources and services, utilization of financial allocations and achievements in faculty and staff development and management development activities. In the project, the technical assistance to AICTE is planned which will include designing an assessment system to track student learning at different points of the undergraduate program. Surveys of students, faculty, non-teaching staff and administrators will deepen insight into how institutes address specific problems related to student learning. Assessments will be designed to provide feedback to institutes on how and where to improve, without putting undue pressure on students.

In this project, the fund will be linked to the Disbursement Linked Indicators (DLIs) and will be disbursed only after achieving and verification of some of the indicators.

1.3 Project Design:

TEQIP seeks to enhance quality and equity in participating engineering education institutions and improve the efficiency of the engineering education system in focus states. The Project will support two components:

Component - 1: Improving quality and equity in engineering institutions in focus states

- Sub-component 1.1 : Institutional Development for Participating Institutions (79 Institutions)
- Sub-component 1.2 : Widening Impact through ATUs in focus states (14 ATUs)
- Sub-component 1.3 : Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs (62 Institutes/ATUs)

Component-2: System Level initiatives to strengthen sector governance and performance

2. Institute Participation in TEQIP-III:

The Institute (MITS, Gwalior) is selected under component-1.1 on the basis of performance & meeting (progressively) the enabling mechanisms and based on meeting minimum standards in quality of Institutional Development Proposals (IDP). Institute has defined the activities in IDP to carry out in the project under the scope of the project and are those that fulfil the objectives of the project. Some of the activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works.
- Improvement in Teaching, Learning and Research competence.

- Improve student learning
- Student employability
- Increasing faculty productivity and motivation
- Establishing a twinningsystem
  - Twinning arrangements with high performing institutions under Sub-component 1.3 to build capacity and improved performance
- Engagement and retention of high quality faculty (through better faculty appraisal systems and the faculty recruitment plan). (Consultant services if required can also be procured for the above said activities.)

Sub - Component		Project Life allocation (PLA) (Rs.)
1.1.1 - Procurement of goods	1.1.1.1 - Equipments	6,75,00,000
	1.1.1.2 - Learning resources	75,00,000
	1.1.1.3 - Furniture	75,00,000
	1.1.1.4 - Minor civil works	75,00,000
	Total	**9,00,00,000**
1.1.2 - Academic processes	1.1.2.1 - Improve students learning	4,50,00,000
	1.1.2.2 - Assistantships	
	1.1.2.3 - Graduates employability	
	1.1.2.4 - Faculty/staff development and motivation	
	1.1.2.5 - Research and development	
	1.1.2.6 - MOOCs and digital learning	
	1.1.2.7 - Mentoring/Twinning system	
	1.1.2.8 - Reforms and governance	
	1.1.2.9 - Management capacity development	
	1.1.2.10 – Services	
	1.1.2.11 - Industry-Institute Interaction	
	Total	**4,50,00,000**
1.1.3 - Operating costs	1.1.3.1 - Consumables	1,50,00,000
	1.1.3.2 - Operation & maintenance of equipments	
	1.1.3.3 - Office expenses	
	1.1.3.4 - Meetings	
	1.1.3.5 - Hiring of vehicles for Project related work	
	1.1.3.6 - Travel cost	

	1.1.3.7 – Salary of staff Appointed in TEQIP cell	
	Total	**1,50,00,000**
	Grand Total	**15,00,00,000**
1.1.4 - Faculty Reforms		**Over & Above**

4. Procurement ofgoods

As per following guidelines for Permissible Expenditures (Indicative), institute has completed the process of procurement (100%). As per approved "TEQIP-III procurement Plan" of the Institute various facilities are created for improvement in Teaching Learning practices, Laboratory Development/up-gradation, Environment Management Framework, refurbishment of class rooms/laboratories, central facilities as library, MOOC Development Centre, Surveillance system for students etc. The detailed list of facilities created under TEQIP-III is annexed as Annex-I.

Suggested Activity*	Permitted
Procurement of goods (equipment, furniture, books & learning resources, software and minor items) and civil works for improvement in teaching, training and learning facilities	➢ **Equipment and furniture2 for:** o modernizing and strengthening of existing UG and PG laboratories, workshops, computer centre, library and academic support facilities o modernization of laboratories in supporting departments o modernizing classrooms and smart classrooms o establishing new UG and PG laboratories, if any, required for the existing/newprogrammes o faculty research and institutional consultancy work o campus-wide networking of academic and administrative buildings, hostels and faculty residences, and enhancing internet facilities, IP Phones (VoIP) o Video Conference Facility o Course specific software o Procurement of equipment/furniture for Institutional TEQIP Unit o ICT enable learning and related software and hardware o Language laboratory o Procurement of computers, peripherals and furniture for establishing start-up centre
	➢ **Modernization and strengthening of libraries:** o Procurement of learning resources (print / digital books and journals) o Books & learning resources o Digitization of library, e-books o Membership of INDEST-AICTE etc. o Setting up of Swayam Prabha channels
	➢ **Civil works3 upto 5% of project allocation for the institution for:** o Refurbishment, repair works, extension of existing academic buildings such as classrooms, laboratories, workshops, computer centre, TEQIP Cell and library o Reducing environment degradation and complying with EMF

***Note :** In addition, institution may also conduct other activities (not listed here) under the scope of the project and those fulfil the objectives of the project with the approval of Competent Authority of the institution.

5. Procurement Status

Sub-Component	PLA (Rs.)	Expenditure Till Date (15.09.2019) (Rs.)	Payment Done (Rs.)	Payment under Progress (Rs.)	Order Placed (Rs.)
Procurement	9,00,00,000	8,79,03,324	7,71,36,997	1,07,66,327	20,96,676

Sub - Component		Project Life allocation (PLA) (Rs.)	Payment Done (Rs.)	Payment under Progress (Equipments under Installation) (Rs.)
1.1.1 - Procurement of goods	1.1.1.1 - Equipments	6,75,00,000	553,54,278.00	1,21,45,722
	1.1.1.2 - Learning resources	75,00,000	71,09,580.00	3,90,420
	1.1.1.3 - Furniture	75,00,000	74,73,367.00	26,633
	1.1.1.4 - Minor civil works	75,00,000	71,99,772.00	3,00,228
Total		**9,00,00,000**	**7,71,36,997**	**1,28,63,003**

Annex-I (Facilities Created/Developed/Up-graded/Modernized under TEQIP-III)

Sr. No.	Facility Created/ Developed/ Up-graded/ Modernized	Equipments/ Learning Resources/ Furniture/ Minor Civil Work		Expenditure (Rs.)	Institute Level/ Department/ Section	Justification
		Item	Quantity			
1.	Equipments for Survey Lab	Total Electronic Station	3	14,16,000	Civil Engineering Department.	Required for the student to survey with Total Station in UG level
2.	Equipments for PHE Lab	BOD Incubator having chamber capacity of 12 ft^3, digital display with temperature range from 5C to 50C	1	1,36,880	Civil Engineering Department.	Water Quality test Preparation of distil water Observation of noise level of atmosphere Water quality test
		Single Glass Distillation unit with output of 5 litre with auto cut-off	1			
		Digital Noise Level meter with LCD display measures upto three decimals , noise Range upto 30-130db	1			
		Kjeldahl apparatus with all parts consist of at least six conical flask of 500ml capacity	1			
3.	Equipments for Strength of Material Lab	Bending stress in a beam with data acquisition	1	2,56,296	Department of Civil Engineering.	Measurement of strength properties of beam under different loading condition Measurement of strength properties of beam under different loading condition
		Behaviour of column and struts apparatus	1			

		Elastic properties of deflected beam apparatus	1			Measurement of strength properties of beam under different loading condition

		Concrete permeability apparatus	1			Measurement of permeability in concrete Concrete test Measurement of permeability in concrete Measurement of strength properties of material in twisting condition
		Air entrainment meter	1			
		Rapid chloride permeability test equipment	1			
		Torsion testing m/c	1			
4.	Equipments for Concrete Lab	Concrete Impermeability Apparatus,	1	28,91,389	Department of Civil Engineering.	Concrete properties test UG / PG/ Research level Experiments Non Destructive test of concrete Compression strength test of concrete
		Compressor for permeability apparatus	1			
		Concrete Penetrometer ,	1			
		Concrete Resistivity meter	1			
		Creep Test Rig,	1			
		Reaction Frame	1			
		Electrical Pumping without hand pump	1			
5.	Equipments for Highway lab	Aggregate Impact Tester	1	9,96,510	Department of Civil Engineering.	Measurement of physical properties of aggregate Measurement of physical properties of bitumen Preparation of job mix formula for bitumen mix design Measurement of physical properties of aggregate Traffic Census
		Flash Point (Open) and Fire Point Cleveland Electrical Heating NPL Certificate	1			
		Ring and Ball Apparatus, Semi-Automatic	1			
		DIGI Modified Marshall Apparatus	1			
		Pavement Dynamic Cone Penetrometer	1			
		Loss Angles Abrasion Test apparatus	1			
		Road Pod VT- Vehicle counter & Classifier	1			

6.	Data Processing Machine	Computer i7	8	4,94,400	Civil Engineering Department	For Departmental Computer Lab for UG & PG students
7.	Desktop Computers	Computer i7	7	4,99,800	Civil Engineering Department	For Departmental Computer Lab for UG & PG students
8.	Equipments for Automobile Lab (Automotive chassis)	Worm and Roller steering system (Actual working model)	1	5,54,128	Department of Mechanical Engineering.	For the smooth conduction of Automobile Engineering branch according to the academic curriculum the labs of Automotive chassis and Automotive Transmission subjects are required. Automobile branch is a more practical one and without hands on practice students will be devoid of practical knowledge. We would emphasize on common lab setup of above mentioned subjects for the lab work of the automobile branch. In view of this requirements, a common lab of Automotive chassis and Automotive Transmission has been proposed here
		Recirculating Ball type steering system (Actual working model)	1			
		(a) Power Steering wheel trainer (b)Steering geometry and wheel alignment trainer	1			
		Constant mesh gear box (Actual cut section working model)	1			
		Sliding mesh gear box (Actual cut section working model)	1			
		Synchromesh Gear box (Actual cut section working model)	1			
		Transaxle gear box with differential(Actual cut section working model)	1			
		Transfer case Assembly	1			
		Continuously variable transmission (CVT) System (Actual working	1			

		model with cut section)				
		Rear axle assembly with differential gear (Semi floating type)	1			
		Rear axle assembly with differential gear (Full floating type)	1			
		Conical friction clutch assembly (actual working model)	1			
		Single plate clutch assembly (actual working model)	1			
		Multiplate clutch assembly (actual working model)	1			
		Diaphragm clutch assembly	1			
		Cut Section Model of Automatic Transmission	1			
		Macpherson type system (Actual working demonstration model)	1			
		Double wishbone type system suspension (Actual working demonstration model)	1			
		Longitudinal type torsional bar type suspension	1			
		Brake Rig + ABS Trainer	1			
		Section vehicle chassis trainer Three wheeler	1			
		vehicle chassis Frame with	1			

		four wheel support				
9.	Ansys software for CAD/CAM Lab	Ansys Software	1	25,95,528	Department of Mechanical engineering.	Simulation software is required for UG (Mechanical and Automobile Engineering), PG and PhD students. For simulation purpose, various software are available in the market and as per the discussion with students, colleagues and other experts (eg. Professor in IITs and industry persons), committee founded that ANSYS is one of the potential simulation software and may be purchased for simulation purpose. Many subjects like FEM, theory of composite, vibration (model analysis), strength of materials, thermal analysis, Structure analysis, Fluid analysis, CFD analysis, kinematics of machines, Heat transfer etc. where ANSYS software can be use
10.	Desktop i7 Computing machine for CAD/CAM Lab	Desktop i7	15	9,93,000	Department of Mechanical Engineering.	Computers are needed to cater the need of increased strength of the students. This is also required to meet the need of analysis work on Autodesk & Ansys software.
11.	Equipments for Control system Lab	DC SERVO MOTOR CONTROLLER	1	3,88,981	Electrical Engineering Department	Control System is one of the most important subject in Electrical Engineering At present there is no control lab in the department. The equipment's purchased in control system lab namely relay control system, synchro transmitter receiver, tuning of PID controller etc (15 years back) were all obsolete and non-repairable. Besides
		DESIGN OF PID CONTROLLER	1			
		Lead Lag Network Simulator	1			
		POTENTIOMETER ERROR DETECTOR	1			
		RELAY CONTROL	1			

		SYSTEM				teaching theory classes of Control system, it is also important to have hands on experience of Control system equipment's by students and to validate the fundamentals concepts taught in corresponding theory classes. By providing UG students with modern equipment, hands on teaching learning environments will better prepare our students for Industry.
		Stepper motor Characteristics Study module	1			
		SYNCHRO TRANSMITTER RECEIVER TRAINER	1			
		TEMPERATURE CONTROL SYSTEM trainer	1			
		TUNNING OF CONTROLLERS: (DIGITAL CONTROLLER PC BASED)	1			
12.	Equipments for Electrical Machine lab	1 phase Transformer Test set up	2	34,83,596	Electrical Engineering Department	Electrical Machine is one of the core subjects of Electrical Engineering. UG Students participate in laboratory experiences, as a part of their curricular programme An emphasis on laboratory based learning is the basic goal of any college Besides teaching theory classes of Electrical Machines and it also important to have hands on experience of Electrical Machines equipment's by students and to validate the fundamentals concepts taught in corresponding theory classes.
		3 Phase Squirrel Cage Induction Motor coupled to Mechanical Load.	1			
		AC Distribution Panel	1			
		DC Compound Motor coupled with DC Shunt Generator	1			
		DC Machine coupled to Salient Pole alternator	1			
		DC Motor coupled to AC Generator	1			
		DC Motor coupled to AC Generator.	1			
		DC series Motor coupled to Mechanical Load (belt and	1			

		pulley type)				
		DC Shunt Motor coupled to DC Shunt Generator	1			
		DC Shunt Motor coupled to Mechanical Load (belt and pulley type)	1			
		Servo Control Voltage Transformer	5			
		Synchronous Motor coupled with DC Machine and a rotary ex citer and static DC Source.	1			
		Three Phase 4 pole Slip ring Induction Motor coupled to 3 Phase 2 pole Slip ring Induction Motor	1			
		Three Phase Auto Transformer	2			
		Three Phase Transformer Test set up	2			
13.	Installation of Electrical items for Electrical Machine lab	PVC XLPE Cable	250	5,73,362	Electrical Engineering Department	Electrical Machine is one of the core subjects of Electrical Engineering. UG Students participate in laboratory experiences, as a part of their curricular programme An emphasis on laboratory based learning is the basic goal of any college Besides teaching theory classes of Electrical Machines and it also important to have hands on experience of Electrical Machines equipment's by students and to validate the fundamentals concepts taught in corresponding theory
		PVC XLPE Cable	40			
		Distribution Box	2			
		Earthing	2			
		G.I. Pipe	30			
		Concreting Feeder Pillar	2			
		Installation of LT Cable	250			
		Installation of Feeder Pillar Box	1			
		Excavation of Cable Trench and Refilling.	250			
		Sand and Bricks	250			

		Road Digging By Manual Trenchless Method	20			classes.
		PVC XLPE Cable (Alu. Arm , 1.1 KV)	100			
		Bus Bar 100 amp.	2			
		Copper wire	5			
14.	Equipments for Power Electronics & Device lab	CHOPPER BASED DRIVES (4 QUADRANT 3 PHASE)	1	16,62,502	Electrical Engineering Department	Power Electronics is one of the core subjects of Electrical Engineering. UG Students participate in laboratory experiences, as a part of their curricular programme An emphasis on laboratory based learning is the basic goal of any college Besides teaching theory classes of Power Electronics & Drives and it also important to have hands on experience of Power Electronics equipment's by students and to validate the fundamentals concepts taught in corresponding theory classes. By providing UG & PG students with modern equipment, these hand on teaching learning environments will better prepare our students for Industry By giving exposure with latest microcontroller based Electrical drives
		CHOPPER BASED DRIVES(3 PHASE IGBT BASED)	1			
		CONVERTER / REGULATOR BASED DRIVES (3 PHASE)	1			
		CONVERTER / REGULATOR BASED DRIVES 1 PHASE INPUT	1			
		Forced Communication Circuits	1			
		INVERTER BASED DRIVES (1 PHASE INPUT IGBT BASED)	1			
		INVERTER BASED DRIVES(3 PHASE IGBT BASED)	1			
		MOSFET Based Buck Boost Converter	1			
		SCR Power Circuit for half and full Single phase converter / regulator bridges	1			

		SCR Power Circuit for half and full three phase converter / regulator bridges	1			
		Single Phase AC Voltage Controller Using SCR and T RIAC	1			
		Single phase bulb load on acrylic base with holder terminals	1			
		Single Phase SCR Full Bridge	1			
		Three phase bulb load on acrylic base with holder terminals	1			
		Three Phase Cyclo Converter	1			
		Three Phase Dual Converter	1			
		Three phase resistive load bank 3KW	1			
		TMS320F28335 DSP Based Motor Control Setup	1			
	Desktop computers	Computers	30	18,58,500	Electrical Engineering Department	Computers are needed to cater the need of increased strength of the students. This is also required to meet the need of computerized work related to different departments/sections.
15.	Equipments for Microprocessor lab	8254 PIT Study Card	4	16,19,349	Electronics Department. Microprocessor Lab	To enable the students to simulate and test the Analog, Digital and mixed Electronics circuits using MATLAB/CASPOC/Or
		8255 Study Card	4			
		8259 PIC Study Card	4			
		Analog IC Tester	3			

		Card 8 Bit ADC0809 & DAC0800 [4+4]	8			CAD Softwares. To provide a platform for the students to do multidisciplinary projects. To Study the power flow problems using provided Softwares. To carry out high quality research in the field of Power System Simulation.
		EPROM ERRASER	2			
		EPROM Programmer	1			
		Kit 8051 with Power Supply and LCD Display	30			
		Kit 8085 with Power Supply and LCD Display	30			
		Kit 8086 with Power Supply and LCD Display	30			
		Proteus PCB Design Starter Kit	1			
		Proteus VSM for 8051/52	1			
		Proteus VSM for AVR	1			
		Stepper Motor Controller Card with Motor	4			
		Temperature Measurement Card	4			
16.	Equipments for VLSI lab	PROFESSIONAL Version Visual TCAD & Genius (2D/3D) Device Simulator Systems	1	22,58,520	Department of Electronics Engineering	VLSI software tools are essentially required at UG level to perform various VLSI design experiments as a part of their curriculum . At PG level students can use these EDA tools to implements their projects on hardware chips such as FPA and CPLDs
		SYMICA EDA (AMS) Design	1			
17.	Equipments for DSP Lab	Digital Processing Unit	3	3,98,014	Department of Electronics Engineering	• Sampling & Waveform Generation Quantization • PCM Encoding • Delta Modulation • Digital Modulation Schemes (ASK, PSK, FSK) • Error Correcting Codes
		Digital storage oscilloscope	4			
		DC Power Supply	9			
		Function Generator	10			
		Digital Multimeter	10			

						• Read Write from CODEC • Fast Fourier Transform • FIR Filter implementation (Low Pass, High Pass Band Stop) • IIR Filter implementation • Linear Convolution • Auto Correlation • Power Spectral Density • Play SoundEcho • Echo with Fading • Multiple EchoReverberation • Sound Mixing • On board Switch and LED Interfacing Program with DSK 6713
18.	Equipments for Basic Electronics Lab	Stabilizer	1	9,58,573	Department of Electronics Engineering	An integrated workbench consisting of instrument panel and working table is suitable for students to learn and perform various experiments of electronics and electrical related subjects. Measuring Instruments are internally connected and fitted in the panel such that only front panel and necessary interfaces are easily accessible to use. To stabilize the power supply in the lab for smooth conduction and safety of laboratory equipments. This hardware tool is essentially required at UG level to perform various
		RC Couple Amplifier	2			
		Class C Tuned Amplifier Experiment Board	2			
		Transistor characteristics	2			
		MOSFET Characteristic	2			
		Hartley & Collpits Oscillator Trainer Kit	2			
		Wien bridge oscillator trainer Kit	2			
		Workstation 1	2			
		SCHMITT Trigger	2			
		Phase Shift Oscillator	2			
		Clapp Oscillator	2			

		Crystal Oscillator	2			Electronics experiments as a part of their curriculum such as comparator and zero crossing detector. This hardware tool is essentially required at UG level to analyze and understand working and frequency response of a RC–Coupled Amplifier This hardware tool is useful for students to study and understand the operation of Class C Tuned Amplifier, and study of operational parameters such as resonance frequency, power gain, efficiency, and bandwidth of the amplifier. This hardware tool is useful for students to study and understand the Characteristics of PNP & NPN common base, common collector, common emitter to evaluate- Input Resistance, Output Resistance and Current Gain
		Multivibrators using IC-555	2			
		Function Generator 1MHz	3			
		Regulated Power Supply Kit	4			
		Multimeter	3			
19.	Equipments for Internet of things Lab	Raw material for the development of IoT	1	15,93,000	Computer Science & Engineering Internet of Things Lab	The IoT lab is newly developed in the Department of CSE/IT to provide the experimentation facility to the students of CSE/IT and other disciplines as Departmental Core/Elective/Open subject.
		Real Time Application of IOT in Automatic Weather Monitoring System (Cloud based).	1			
		Wi-Fi based IOT Development Kit	1			
		WSN Based IOT Development System	1			
20.	Desktop computers	Computers	30	18,58,500	CSE & IT	Computers are needed to cater the need of increased strength of the students. This is also required to meet the need of

						computerized work related to different departments/sections.
21.	Equipments for Physics Lab	Determine wavelength of Na-lamp by Newton's Ring set-up	2	2,34,289	Department of Applied Science (Physics lab)	Required for B.Tech. 1st year students as well as testing
		Study the polarization of light using Laurents Half shade Polarimeter	2			
		Determine the e/m Ratio of a electron using Thomson's Method	2			
		Determine the Di-electric constant of a given di-electric material	2			
		Determine the value of Planck's Constant using LED method	2			
		Measure the I-V characteristics for Semi conductor and Optoelectronic devices (Si/Ge diode, Zener diode, Photo diodes, LDRS and photo transistors	2			
		Determine the Band Gap of a given semiconductor material	2			
		LED characteristics	2			
		Compact Wave Tank	1			
		Measure the Hall voltage , Hall Coefficient and to determine the charge	1			

		carrier of a given semiconductor using Hall Effect				
		Cathode Ray Oscilloscope:	1			
		Logic Gates	2			
		Transistor bias characteristics	2			
22.	Equipments for chemistry lab	Analytical Weighing Balance	2	6,13,980	Department of Applied Science (Chemistry lab)	Required for B.Tech 1st year students as well as testing
		Muffle furnace,	1			
		Hot Air Oven (digital)	1			
		Digital pH meter	1			
		Magnetic stirrer with hot plate and stirring bars	1			
		Heating mental 250 & 500ml	2			
		Aniline Point Apparatus	2			
		Cloud and Pour Point apparatus	2			
		Carbon residue Apparatus	1			
		Double distillation unit	1			
		LCD Projectors	1			
23.	E-Journals	Sciencedirect e-journals subscription	1	5,66,875	Central Library	Elsevier Engineering + Computer Science (275 journals) This specific journal package has been formed to extend researchers' access to full text in the fields of security, computer programming, optics, thermal energy, construction and building material and electricity. Customers subscribing to this package will be allowed access to articles from the year

						2000 onwards. Access to the content will be provided on the Science Direct platform.
24.	Science direct E Journal	Science direct E Journal	1	6,42,897	Central Library	Elsevier Engineering + Computer Science (275 journals) This specific journal package has been formed to extend researchers' access to full text in the fields of security, computer programming, optics, thermal energy, construction and building material and electricity. Customers subscribing to this package will be allowed access to articles from the year 2000 onwards. Access to the content will be provided on the Science Direct platform.
25.	E-Books	E Books	1	9,14,531	Central Library	1. eBooks Platform enables institute to provide 24 X 7 X 365 dynamic eBooks e-Library to their students and faculties. 2. It offers a unique advantage to institute wherein they can develop eBooks collections based on subjects and coursecurriculums. 3. eBooks platform provides institute with the flexibility of gradually building the eBooks collection for their libraries by aggregating eBooks from multiple publishers on a single platform. 4. The institute can also decide the number of users who can read a book simultaneously.
26.	server	server	1	4,94,400	Central Library	Required in Central Library for storing

						and distribution of e-books
27.	Computers	Computer	42	17,55,840	Central Library	Computers are needed to cater the need of increased strength of the students. This is also required to meet the need of computerized work related to different departments/sections.
28.	UPS	UPS Online	1	61,655	Central Library	Required for uninterrupted power supply to server and Computers for digitization of library
29.	SWAYAM PRABHA	TV Set/LCD Panel with audio system	5	6,98,944	01-Electrical Engineering 01-Electronics Engineering 01-CSE & IT 01-Mechanical Engineering. 01 Central Computer Centre	The items are needed to run for implementation of SYAMA PRABHA programmes which is the joint venture of MHRD, Govt of India and AICTE, New Delhi. The programmes are useful in online learning for students of various classes.
30.	Plagiarism Software	Turnitin Anti Plagiarism web tool Originality Check	1	4,28,722	licences given : two for each department one for academic , two for two for each department; one for academic cell, one for autonomy cell, one for digital library; two for research groups	This software helps to check students' work for proper citation or potential plagiarism by comparing it against the world's most accurate continuously updated text database. Also as per AICTE mandate, plagiarism checker software helps in NAAC and NBA accreditation process

31.	Studio Room Equipments	4K/FHD 3-chip Camcorder	1	51,91,252.70	Lecture recording studio room	Lecture recording studio enables the faculty members to record their video lectures and develop MOOC(Massive open online courses). The recording video lectures are beneficial to the students and the faculty members. Following are the benefits. This lecture recording system allows students to re-experience the lecture session at anytime and anywhere by downloading it or viewing it through the portal. Enables innovative teaching concepts like MOOC and Flipped Classroom. Cost-effective way to build a repository of recorded lectures. Better and easier course management. As per the AICTE Notification regarding "Credit Framework for online learning course through SWAYAM" Regulation dated 17th August, 2016- AICTE promotes to the development of video lectures and direct credit transfer. The notification is being attached herewith in Annexure-I Similarly MHRD provides "Guidelines for Development and Implementation of MOOCs" guidelines include both technical and non technical requirements and specifications. Use of smart classes and modern technology eases the learning process for the students. Moreover, this kind of education in class promotes more interaction between
		Document Camera Ceiling	1			
		Memory Card R/W	3			
		Teleprompter	1			
		Camera Stand/ Tripod with Dolly	1			
		RS-Box	1			
		Storage Disk	1			
		40" LED Display	2			
		Computer System for Editing with monitor	1			
		Lighting System	1			
		Sound System	1			
		Installation Material	1			
		SITC (Site Installation, Testing and Commissioning) & Training	1			

						teacher and student with enhanced participation from both sides. If a student a lecture in which a particularly important topic was being taught, video recording will help student to listen to the lecture on your PC.
32.	Acoustic Work	Acoustic Work		13,08,620	Lecture recording studio room	Sound proof and echoless room is required for recording lectures
33.	UPS for lab	UPS	1	1,16,000	Lecture recording studio room	Keeping in view the need of MOOCs and as per the suggestions given by various bodies, the Institute is developing a Lecture Recording Studio Room in which our teacher will record lectures. These lectures can be transmitted online and can also be stored on our server. The students can view these lectures as per their convenience. The Studio Room has many delicate equipments. Keeping in view the safety of equipments and need of uninterrupted recording of lecture in case of power failure, there is a need of UPS.
34.	Video streaming	Camcorder Touch Switcher All-in-One Live Production Solution	1	17,69,940.80	Lecture recording studio room	Use of smart classes and modern technology eases the learning process for the students. Moreover, this kind of education in class promotes more interaction between teacher and student with enhanced participation from both sides. If a student a lecture in which a particularly important topic was being taught, video recording will help student

						to listen to the lecture on your PC. The other merit that video recording of lectures is that they offer great help to those students who attend the class and can seek through the lecture whenever they want it. The video recording system also lets you revise your lectures and have a better understanding of the topics. Better availability in terms of time and place. Accessibility has been one of the biggest benefits of live streaming. Anyone who has proper connection can connect and become a part of the community Live streaming enables educational institutes and platforms to provide real-time on-demand content to the audience. This enables anyone to get access to cutting-edge learning material and help them grow.
35.	Server	Server	5	16,25,000	Data resource Centre (01); Autonomy Cell (01); Server room (03)	The servers are required for Moodle Server, Data Resource Centre, Exam Data, Proxy Server, Internet Server
36.	Computers	Computer	12	7,02,336	Sections	Computers are required to meet the need of computerized work related to different departments/sections.
37.	Computing Machine for Research	Desktop i5	8	4,71,816	Central Computer Centre	
38.	Laptop for teachers	Laptop i7	6	4,33,170	Departments of	Required for teacher to take classes with

					Civil, Mechanical, Electrical, Electronics, CSE/IT according to strength of students in the Department	the help of projectors. This enhances teaching and learning process
39.	Laptop for Classroom teaching	Laptop	6	4,33,194	Departments of Civil, Mechanical, Electrical, Electronics, CSE/IT according to strength of students in the Department.	Required for teacher to take classes with the help of projectors. This enhances teaching and learning process
40.	Laptop i7	laptopi7	6	4,33,194		Required for teacher to take classes with the help of projectors. This enhances teaching and learning process
41.	Interactive Display	Interactive Display	1	8,49,750	Faculty Resource Centre	The item will be useful for lectures and training of large gathering of students, faculty and staff.
42.	Interactive Display	Interactive Display 98”	1	17,99,950	Conclave Centre	The item will be useful for lectures and training of large gathering of students, faculty and staff
43.	Interactive Display	Interactive Display	1	8,97,150	Conference Hall	The Education has been one of the main focuses for the Indian government in recent years. India’s digital learning market is being promoted with various

						initiatives being taken by the Indian Government to boost digital literacy in recent years. Many Institutes are using interactive techniques for teaching learning process.
44.	Interactive Display	Interactive Display	1	1,64,850	Meeting and discussion room	The item will be useful for lectures and training of large gathering of students, faculty and staff
45.	Interactive pen Display	interactive display1	1	4,49,750	Autonomy Cell	The item will be useful for lectures and training of large gathering of students, faculty and staff
46.	Video Wall	Video Wall	1	35,35,221	Student Activity centre	There is a need of a display solution for large gathering of students, faculty and staff, especially in the Student Activity Centre (Capacity of around 400 persons). As it has been observed that multimedia projector is not fulfilling the requirement, hence Institute is planning to procure Video Wall of 6x8 feet dimension. It will give better resolution, intensity and visibility.
47.	Digital Teaching Device	Digital Teaching Device	3	17,99,850	Conclave Centre (01); Conference Hall (01); Faculty Resource Centre (01)	Use of smart classes and modern technology eases the learning process for the students. Moreover, this kind of education in class promotes more interaction between teacher and student with enhanced participation from both sides
48.	Hardware based lecture recording	Hardware based lecture recording	3	29,85,450	Conference Hall, Conclave Centre & Faculty	Use of smart classes and modern technology eases the learning process for the students. Moreover, this kind of education in class promotes more

					Resource Centre	interaction between teacher and student with enhanced participation from both sides
49.	Conference System	Conference Chairman Unit Conference Delegate Unit Mixer Amplifier	1 10 1	1,20,926.4	Meeting and seminar room	There frequent meetings of faculty members, staff, director, parents of students, board members etc for the purpose of improvement in teaching-learning process and enhancement in research. For this purpose there is a need of conference system in the Institute.
50.	Audio System for smart classroom	Audio System	6	14,45,382	Seminar Hall 1,2,3,4,5,6	Keeping in view the increased strength of the students, new class rooms are being developed. Projectors, audio system and screen are necessary components of a modern smart classroom. Therefore, it is desired to have all these components for the realization of smart class room concept.
51.	Projector & Screen Audio Systems etc	Ultra short throw LED/LCD Projector	5	8,64,750	In 05 new smart class rooms	Projectors, audio system and screen are necessary components of a modern smart classroom. Therefore, it is desired to have all these components for the realization of smart class room concept. Moreover, this kind of education in class promotes more interaction between teacher and student with enhanced participation from both sides.
52.	Projectors	Projector	6	3,66,900	Classrooms	Projectors, audio system and screen are necessary components of a modern smart classroom. Therefore, it is desired to have all these components for the realization of smart class room concept.

						Moreover, this kind of education in class promotes more interaction between teacher and student with enhanced participation from both sides.
53.	Projectors	Projector	2	4,99,990	Classroom	Projectors, audio system and screen are necessary components of a modern smart classroom. Therefore, it is desired to have all these components for the realization of smart class room concept. Moreover, this kind of education in class promotes more interaction between teacher and student with enhanced participation from both sides.
54.	Projectors	Projectors	8	15,55,192	New Smart Class room(01); Remaining class rooms(07)	
55.	Computer Peripherals	External Hard Drive	10	6,06,008	General Office, Account Section, Establishment Section; Data Resource Centre; Director Office; Academic Section	Peripherals like printer, scanner and MFM are needed to cater the need of increased strength of the students. This is also required to meet the need of computerized work related to different departments/sections. Documents, Lab manuals, course files are being scanned and being uploaded on website in soft form.
		Heavy Duty printer	4			
		Heavy Duty Scanner	5			
		Multifunction Printer	9			
		Printer	9			
		Scanner	5			
56.	Xerox Machine	Xerox Machine	1	3,89,000	Autonomy Cell	As per need generated by Autonomy Section, the procurement of a heavy duty Xerox Machine is necessary for printing of question papers with speed and privacy.
57.	Multifunction printer	multifunction printer	10	1,94,470	Autonomy Cell	For examination related work
58.	Microsoft Imagine	Microsoft Imagine	1	2,10,630	Institute Level (CCC)	Microsoft DreamSpark provides institutional licenses for Various

						Microsoft Product including Window etc (Except MS Office). This is necessary as we use legitimate software in the Institute.
59.	Wireless dongle	Wireless dongle	15	66,375	Classrooms 101to 115	Wireless dongle is required in projectors in classrooms for wireless connectivity with teacher's laptops
60.	Networking items	Cable	20	7,49,920	Two New Labs of CSE & IT; New lab of electrical Engineering Dept; conclave centre; main porch; faculty resource centre; digital library; 6 new smart class rooms; and various other places in the Institute to extend Local Area Network	The existing building of the Institute is being renovated. New classrooms and LAB are being developed. Moreover, due to increased strength of students and faculty, there is a need of extension existing Local Area Network.
		Cable.	1000			
		Connector	10			
		Fibre patch Cord	5			
		Fibre patch Cord.	5			
		Fibre patch Cord..	3			
		Fibre patch Cord...	2			
		Hard Disk	5			
		LIU	2			
		LIU.	1			
		module	10			
		Router	1			
		switch	1			
		Switch Rack	12			
		Switch Rack.	5			
		Switch Rack..	1			
		switch.	10			
		Toolkit	3			
		Wireless Access point	10			
61.	LAN Networking items	Switch 8 Port Gigabit	2	8,17,133.48	Two New Labs of Electrical Engineering; conclave centre; main	The existing building of the Institute is being renovated. New classrooms and LAB are being developed. Moreover, due to increased strength of students and faculty, there is a need of extension
		Switch Gigabit Port (L3 switch)	5			
		Switch Gigabit Port (L3 switch)	1			

		Switch 8 Port Gigabit	15		porch; faculty resource centre; digital library; 6 new smart class rooms; and various other places in the Institute to extend Local Area Network	existing Local Area Network.
		Switch 24 Port	15			
		Transceivers for SM fibre	24			
		UTP Cat-6 Cable Roll	5			
		UTP Cat-6 Cable Roll	10			
		Connector	20			
		I/O Box with complete set	100			
		Racks with power supply	10			
		Racks with power supply	2			
		Patch card 1 meter	10			
		Patch cord,Cat-6, 3 Mtr.	25			
		LIU 12 Port	1			
		KVM Switch	2			
		Wireless Access Point with support Mounting Kit	20			
		Tools kit	3			
		Hard Disk	5			
62.	student surveillance system	Network Video Recorder	1	11,72,914	Installed in corridors, entrance gates, canteen, gathering areas of students in the campus	In the current era, we come across several security issues cropping up in the educational institution. May it be the case of theft, bullying, vandalism, drugs and so on; every such act raises the alarm against security of students and prompts the management to take necessary measure to control the same. The security cameras are gaining importance in these places and have given management to not only keep an eye on the probable notorious activities but also check on the unfortunate accidents that may take place and even keep a check on the smooth
		IP vandal Dome Camera.	10			
		IP IR Dome Camera.	20			
		IP IR Bullet Camera	30			
		IP IR PTZ Camera.	2			
		SITC 2MP IP IR Bullet Camera.	2			
		HARD DISK SURVEILLANCE	4			
		PoE Switch 8 Port.	7			
		PoE Switch 4 port.	7			
		SITC GPON 4-PORT LAYER-3 Optical Line Terminal	1			

		GPON ONU Optical Line Unit Wireless	14			functioning of the system. To keep an eye on the movement of the visitors around the schools or even in forged entry within the campus that may be the security threat to the Institute and the students, the security cameras installed at the entry gates and corridors can allow the authorized users to keep a check such activities. While the technology is changing faster and is taking place in every place, it is important for the management to keep a check on the notorious moves that can harm the property while the safety of the children and the staff remain the utmost priority. It is therefore proposed to acquire an IP based surveillance system for the Institute
		SITC LIU 12 Port fully loaded	1			
		GPON distribution cable joint closure BOX	14			
		Fibre Patch Chord SC Type 3 Mtr	14			
		PLC Splitter 2:4 with connector	2			
		PLC Splitter 1:4 with connector	6			
		4 core Optical Fibre.	2000			
		6 Core Optical Fibre.	1000			
		UTP 4 pair Cat -6 cable	7			
		Power Wire	1200			
		POE Switch Rack	14			
		Floor Mount Rack 15U.	1			
		Online UPS 3KVA.	1			
		Battery	6			
		led TV	1			
		Conduits and Accessories	2000			
63.	Air conditioner for Central Research Lab	Air Conditioner	10	3,89,900	CAD CAM Lab of Department Of Mechanical engineering, Autonomy Cell, CRS Lab	AC are required for laboratories containing delicate equipments to maintain optimum temperature and humidity
64.	Waste to Compost Converter	Waste to Compost Converter Machine	1	15,16,480	Installed behind NCC building	The educational institutions represent the main components of sustainability promotion in our society. Waste management is one of the challenges that

						educational institutions have to face in accomplishing sustainability goals. Composting is an effective way to reduce greenhouse gases. By composting, the generation of greenhouse gases, particularly methane, is avoided. Backyard composting and well-run industrial compost operations will produce negligible greenhouse gas emissions
65.	Sewage Treatment Plant	Waste water treatment Plant	1	26,56,156.4	Installed near waste water canal in the campus behind Hostel no. 5	the major aim of wastewater treatment is to remove as much of the suspended solids as possible before the remaining water, called effluent, is discharged back to the environment. As solid material decays, it uses up oxygen, which is needed by the plants and animals living in the water.
66.	Central water purification system	Central RO System	2	8,26,000	Installed on third floor for distribution of water to tanks located at various portions in the building	The reputation of an Institution depends on more than just academic excellence. All aspects of your property management affect it, too — including our educational institution's water treatment systems. There is a need of central water treatment solutions that will help ensure the best possible experience for students, visitors and staff. The water treatment systems should also help keep costs in check and maintain the high sustainability standards today's academic community wants and expects.
		Cooler	4			
		Water RO system	2			
67.	Furniture	Chair	6	31,16,616	New	For classrooms

		Class room Desk (desk with bench),	224		Classrooms	
		Class room desk (Desk without cushion)	32			
		Class Room Desk (Only Bench without cushion)	32			
		Dais table	4			
68.	Furniture for class rooms	Class room desk (Desk without cushion)	16	15,33,391	Refurbished smart classrooms	For Smart classrooms
		Class Room Desk Only Bench without cushion	16			
		Class room Desk with bench,	112			
		Class rooms chair with half tablet	42			
		Dais Table	2			
		Visitor Chair	12			
69.	Furniture for class rooms	Corner Table	1	13,15,226	Seminar Hall 1,2,3,4,5	Furniture is required in new smart classrooms
		Work Tables	16			
		Table for lab.	1			
		Chair for Computer Centre	22			
		Bench	10			
		Dual Desk	30			
		Executive Table Large Size	1			
		Table1	3			
		Chair for Computer Lab	30			
		Executive Tables for teachers	1			
		High Back Chair	1			
		Visitors chairs	13			
		Filing Cabinet	2			

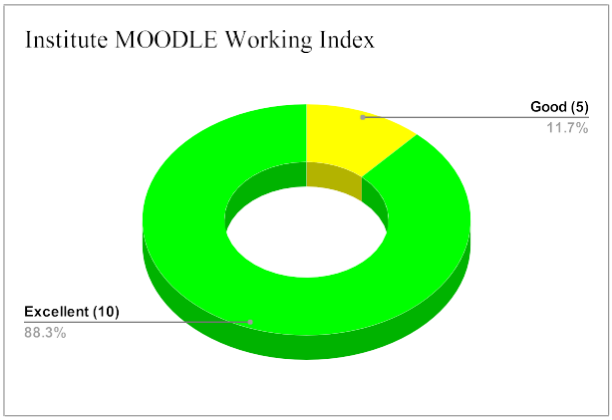
		Book Shelf/Book Case	2			
70.	Furniture for classrooms 4	Classroom Furniture	16	15,08,134	Seminar Hall 1	Furniture is required in new smart classrooms
		Classroom Furniture	112			
		Classroom Furniture	16			
71.	Refurbishment of Classrooms	Refurbishment of Classrooms	-	49,99,995	Seminar Hall 1,2,3,4,5	Old classrooms need renovation for converting them into smart classrooms
72.	Civil Work	Civil work	-	12,00,000	Electronics Labs, Main porch and foyer	Refurbishment of laboratories, main porch and foyer is required

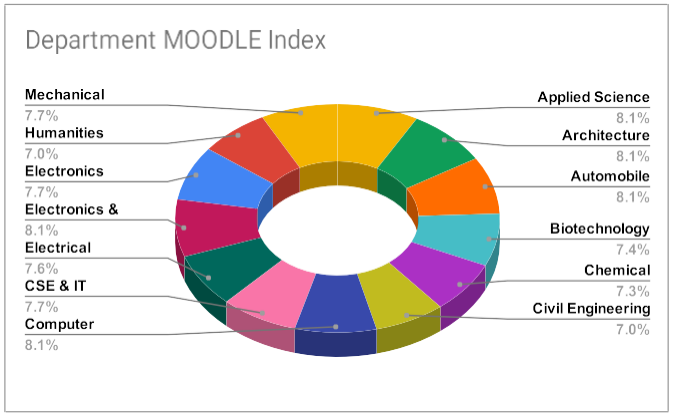
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

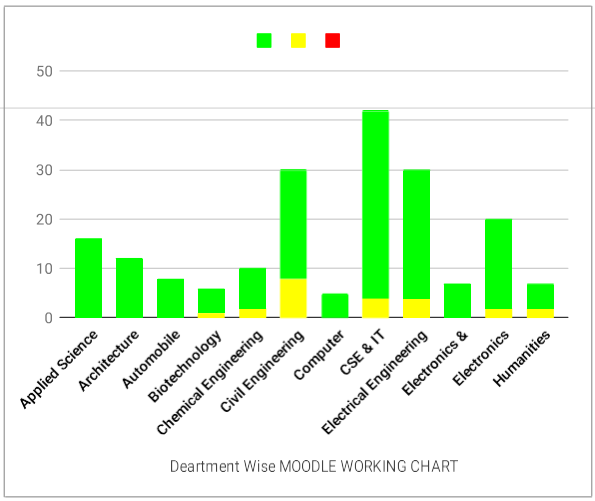
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

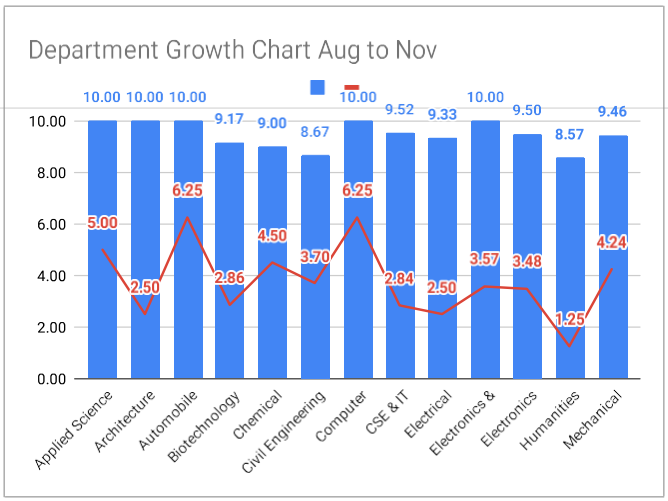
MOODLE WORKING INDEX **Nov-Dec** **last update** **29-Nov-2019**

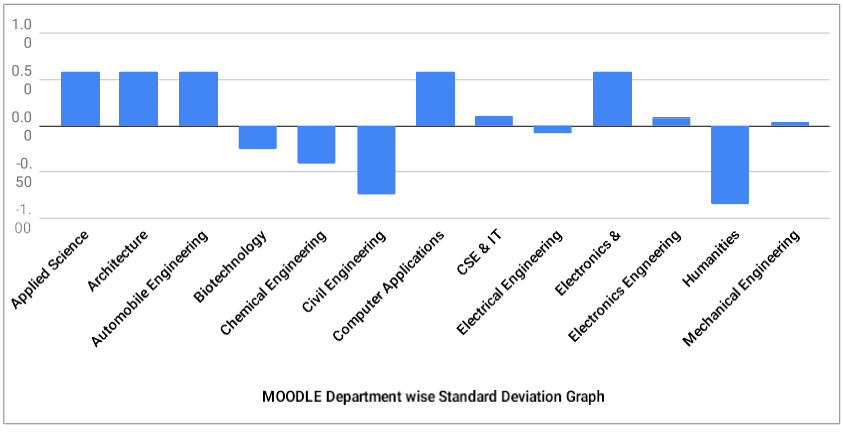
MOODLE Faculty Working Index	MWI												Total Faculty						Department	
Department Name	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Grand Total**	**Not working (0)**	**Good (5)**	**Excellent (10)**	**MWI**	**Std. Dav from Avg.**	**July Report**	**Not Working in %**	**Working In %**
Applied Science	0	0	0	0	0	0	0	0	3	4	9	16	0	0	16	10.00	0.59	5.00	0.00	100.00
Architecture									8	3	1	12	0	0	12	10.00	0.59	2.50	0.00	100.00
Automobile Engineering	0	0	0	0	0	0	0	0	2	2	4	8	0	0	8	10.00	0.59	6.25	0.00	100.00
Biotechnology								1	1	2	2	6	0	1	5	9.17	-0.25	2.86	0.00	100.00
Chemical Engineering	0	0	0	0	0	0	0	2	5	1	2	10	0	2	8	9.00	-0.41	4.50	0.00	100.00
Civil Engineering						2	2	4	3	7	12	30	0	8	22	8.67	-0.75	3.70	0.00	100.00
Computer Applications	0	0	0	0	0	0	0	0	1	0	4	5	0	0	5	10.00	0.59	6.25	0.00	100.00
CSE & IT								4	12	10	16	42	0	4	38	9.52	0.11	2.84	0.00	100.00
Electrical Engineering	0	0	0	0	2	0	1	1	17	4	5	30	0	4	26	9.33	-0.08	2.50	0.00	100.00
Electronics & Telecommunication											7	7	0	0	7	10.00	0.59	3.57	0.00	100.00
Electronics Engneering	0	0	0	0	0	0	0	2	1	6	11	20	0	2	18	9.50	0.09	3.48	0.00	100.00
Humanities							2			3	2	7	0	2	5	8.57	-0.84	1.25	0.00	100.00
Mechanical Engineering	0	0	0	0	0	2	0	2	3	10	20	37	0	4	33	9.46	0.05	4.24	0.00	100.00
Grand Total	0	0	0	0	2	4	5	16	56	52	95	230	0	27	203	9.41			0.00	100.00











Annexure- XII

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(Training & Placement Cell)

Placements of 2020 Batch

Placements 2019-2020:-			
S.No.	**Name of Company**	**Package**	**Total Selections**
1	Hitachi	Rs. 6.5	**1**
2	Zycus	Rs. 6.5	**2**
3	Must Garment	Rs. 14.35	1
4	TCS - Ninja	Rs. 3.5	**81**
5	TCS - Digital	Rs. 6.5	**4**
6	Jaro Education	Rs. 12.0	**0**
7	Quikr	Rs. 10.06	**3**
8	Accenture	Rs.4.5/6.5	**118**
9	L&T Infotech (LTI)	Rs. 5.0/6.5	**56**
10	Smart Controls India Pvt. Ltd.	Rs. 7.0	**5**
11	Infosys	Rs. 3.6	**133**
12	Diaspark Infotech Pvt. Ltd.	Rs. 4.00	**In process**
13	Wipro Ltd.	Rs. 3.5	**In process**
14	IBM	Rs. 4.2	04Dec.,2019
15	Jaro Education	Rs 12 LPA	Interviews Pending
..		**Grand Total**	**404****

**** Placement data till 30th Nov.,2019. Few more companies in pipeline till June, 2020.**

Highest Package: 14.35 LPA (Must Garments), Avg. Package: 4.4 LPA

Recent Activities conducted under T&P Cell

1	12/04/2019		Industry Conclave 2019	For All
2	08.08.19	10.08.19	Mr. Syed Abbas Hasan (Mock GDs & Mock Interviews workshop)	2020 Batch
3	31.08.19	22.09.19	Employability Skills Training Classes	2020Batch