

## **Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 30<sup>th</sup> December 2022**

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **30<sup>th</sup> December 2022** at 11.30 am in the Convention Hall of the institute. The meeting was chaired by **Dr. R. K. Pandit**, Director of the Institute. Following have attended the Internal Quality Assurance Cell (IQAC) meeting:

**Chairperson** - Dr. R.K. Pandit, Director

### **External Experts-**

1. Prof. I.K. Bhatt\*, Vice Chancellor, Manav Rachna University, Faridabad, Hariyana
2. Dr. Sunil Kumar\*, Professor, School of Management Studies, IGNOU, New Delhi\*

### **Representatives of the Management-**

1. Shri Prashant Mehta, IAS, Member, BOG
2. Er. Ramesh Agrawal, Secretary, SECS & Member, BOG

### **Teachers-**

1. Dr. Manjaree Pandit, Professor Electrical Engineering & Dean Academics
2. Dr. Rajeev Kansal, Professor, Civil Engineering Department & Dean Student Welfare
3. Dr. Manoj Kumar Gaur, Professor & Head, Mechanical Engineering
4. Dr. Akhilesh Tiwari, Professor & Head, Information Technology
5. Dr. Vandana Vikas Thakre, Associate Professor, Electronics Engineering
6. Prof. Praveen Bansal, Assistant Professor, Electrical Engineering
7. Prof. Pooja Sahu, Assistant Professor, Electronics Engineering

### **Administrative Officers-**

1. Er. Vikram Rajput, Training & Placement Officer
2. Mrs. Pallavi Shrivastava
3. Shri Atul Chauhan, Programmer

### **Nominees from Local Society, Students and Alumni -**

1. Dr. Keshav Pande, Local Society, Journalist
2. Dr. Nameesh Miglani, General Secretary, Sunrise Technical Education Promotional Society\*

### **Student Representative-**

1. Mr. Mihir Nighojkar\*
2. Ms. Ikshita Trivedi\*

*\*Attended through online mode*

## **Item. 1: To confirm the minutes of the IQAC meeting on 28<sup>th</sup> September, 2022**

- *The report of the semester closing programme was presented {Notice no. 1487 dt. 25/05/2022}*
- *The Initiative to enhance faculty competencies in upcoming areas: Faculty Training in Data Science & Project Management and Financing was discussed.*
- *The report of the regular practice adopted by the institute of "Conduction of Orientation Programmes" for II to IV year students was presented.*

- *The IQAC was apprised about an Institutional achievement: becoming International Civil Aviation Organization, ICAO's 23rd TRAINAIR PLUS Programme (TPP) Partner in the world and the 1st TPP Partner in India.*
- *The IQAC was briefed about the practice of "Conduction of Courses in Collaboration with Industry Experts: 2022-23"*
- *The review of targets set by the Institute for credit transfer through MOOCs was conducted.*
- *The report of "Daily Class Monitoring" initiated using IMS from 1st August 2022 was tabled.*
- *The outcomes of the initiative taken for providing "Research Internship under institute faculty mentors for pre-final year students" during June 2022 were presented.*
- *The report of 2018-2022 batch students securing Honours/ Minor degree in addition to their graduation was shared.*
- *The review the status of Ph.D. candidates registered in the institute was conducted.*
- *The IQAC was informed about the sanction of R&D Project under "National Technical Textiles Mission (NTTM)" to Dr. C.S. Malvi. Professor, Mechanical Engineering Department*
- *The report on celebration of commemorative days at the institute was presented.*
- *The registration report & status of Novel Engaging Courses (NEC) August- December 2022 was reviewed.*
- *The report about launching the role based access control (RBAC) website of the institute on 19th September 2022 was presented.*
- *The status of the 4th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2022) was shared.*
- *The brief report of the NAAC sponsored two-day workshop on "Curriculum Development for the Effective Implementation of NEP-2020" on 3rd -4th September 2022 was presented*
- *The Initiative taken to create awareness about challenges and innovations needed for effective implementation of NEP-2020 were discussed.*
- *The result analysis of graduating batch was conducted.*
- *The report on activity timelines for July-December 2022 {for the computation of Administrative Efficiency Index (AEI)} was presented.*
- *The House was apprised about the student support sessions conducted by the Institute Counsellor.*
- *The brief report on question paper analysis carried out at the department level was discussed.*
- *The IQAC was briefed about the constitution of "Equal Opportunity Facilitation Cell (EOFC)".*
- *The report of the Examination Conduction from superintendent (Exam) was reviewed.*
- *The Placement status of 2019-2023 batch as on 25th September 2022 was presented.*
- *The Exit Survey Report for passing out batch 2018-2022 & comparison with Exit Survey Index (ESI) of 2021 batch was shared.*
- *The brief report on Activities conducted in this session under the SPICES-AICTE grant for ISTE Student Chapter and the successful closure of the grant was presented.*
- *The IQAC was apprised about the events & activities in the institute during August-September 2022.*

**Item 2: To present the activity report received from the student clubs and professional society chapters**

**Summary of Club – Professional Society Chapter Activities**

**(August-November 2022)**

S.No.	Club Name	Coordinator Name	Activities	Participants
1	Aerospace club	Dr. C.S. Malvi	01	42
2	Analytic Club	Dr. Divya Chaturvedi	01	70
3	Artistry Club	Prof. Pooja Sahoo	05	180
4	ASIMOV Robotics Club	Prof. Karuna Markam	14	1126
5	Chemical Engineering Club	Dr. Rakesh Kumar Dubey	02	87
6	Dance Club	Dr. Parul Saxena	09	757
7	Disaster Management and Awareness	Dr. Jyoti Vimal	01	251
8	Finance Club	Dr. Minakshi Dahiya	02	86
9	Heritage and Tourism Club	Prof. Gautam Bhadoriya	01	400
10	Holistic Health Club	Prof. Vishal Chaudhary	03	1635
11	Innovation Club	Dr. C.S. Malvi	01	102
12	Journalism Society	Mr. Anish P. Jacob	06	328
13	Literary Club [Querencia]	Dr. Sanjeev Khanna	01	95
14	Music Club	Dr. Harbhajan Ahirwar	03	28
15	Science Club	Dr. Anjula Gaur	04	730
16	Standards Club	Dr. Hemant Shrivastava	01	40
17	Stop Not Club	Dr. Shubhi Kansal	02	400
18	The Speakers Club	Dr. S.K. Chourasiya	03	175
19	Abhigyanam Abhikaushalam Student Forum	Prof. Jaimala Jha	02	120
20	IETE Student Forum	Dr. Vandana Vikas Thakare	06	531
21	ISTE Students' Chapter	Prof. Vishal Chaudhary	05	3726
22	SAEINDIA MITS Collegiate Club	Prof. Vaibhav Shivhare	03	203
<b>TOTAL</b>			<b>76</b>	<b>11187</b>

**The club/ professional society chapter activities for the last 4 years at a glance are:**

YEAR	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-23 (Aug to Nov. 22)
Activities	86	66	54	89	103	76
Clubs	31	12	17	15	16	22

**The details are available at:**

[https://drive.google.com/drive/folders/1wF2-jII5mm\\_9x9haK2vLRjhZpSg1iquY?usp=sharing](https://drive.google.com/drive/folders/1wF2-jII5mm_9x9haK2vLRjhZpSg1iquY?usp=sharing)

**Item 3: To report on action taken for monitoring students with low attendance**

**Attendance of students** Inbox x

Dean Academics <deanacademics@mitsgwalior.in>  
to hod, R.K

Sep 26, 2022, 11:48 PM

Dear HoDs

[1] Please send warnings course-wise to **students** particularly II & III year who have very low **attendance**. If you have already taken these steps it is good.

[2] The names of such **students** may be shared on whats app groups or in any other manner in which the department feels, it will be effective to improve **attendance** after the mid semester break.


[3] A meeting can also be conducted with such **students** to know the reasons for their poor **attendance**.

[4] A brief report in this regard (about steps taken and number of **students** who are at risk) must be sent to the office of teh Dean Academics latest by **15th October 2022**.

**FORMAT**

Name of the Department			
Class	No. of <b>students</b> with poor <b>attendance</b>	Date of meeting (off/online)	Broad reasons for not <b>attending</b> classes

Dean Academics  
Office



Activate Windows

- The matter of attendance was discussed at length in the meeting and the deliberations are enclosed at the end.
- The House was informed that after Covid, lots of students or their family members are suffering with complications and it has affected attendance in classes.

The details are available at

<https://drive.google.com/drive/folders/1mSTJH1rb4k-sySpZmmhiQw9Ap5zkA5ik?usp=sharing>

Name of the Department : Mechanical Engineering				
Class	Subject/ Name of Coordinator	Students with poor attendance	Date of meeting (off/online)	Broad reasons for not attending classes
Mechanical Engineering - II Year	Dr. DineshKumar Rathore	11	10/10/2022 (offline)	All students have been counseled. Most of the students have cited health related issues and family issues. Some parents were also contacted to confirm the same. Students have submitted the undertakings that they will attend the classes regularly now onwards.
Automobile Engineering II Year	Dr. Harbhajan Ahirwar	5	Offline (28/09/2022)	They have their personal problems like illness/sickness, family issues etc.
Mechanical	Prof. Vedansh	43	Online	Preparing for national level exams

Engineering III Year	Chaturvedi		07/10/2022)	like GATE and CAT etc, Also involved in various club activities at the institute level. It is instructed to students to attend classes and maintain attendance as per university norms for appearing in end semester exam
Automobile Engineering III year	Prof. Sharad Agrawal	15	Offline (10/10/2022)	
<b>Name of the Department : Electrical Engineering</b>				
(Electrical Engineering, II Year)	100025 Engineering Mathematics II	17	Offline/Telephonic Conversation (15/09/2022, 21/09/2022)	Personal Reasons (5), Health and Family Problems (8)
(Electrical Engineering, II Year)	130311 Electromagnetic Field Theory	09	Offline/ Telephonic Conversation (11/10/2022, 12/10/2022)	Health issues of Self & Family.
(Electrical Engineering, II Year)	130312 Electrical & Electronics Measurement	15	Offline	Health Reason (10), and Personal Reason (5)
(Electrical Engineering, II Year)	130313 Network Analysis	14	Offline	Health issue & Personal reasons
(Electrical Engineering, II -Year)	130318 Analog & Digital Electronics	21	Offline/ Telephonic Conversation (12/10/2022, 14/10/2022)	Health Reason (09), and Personal Reason (06), Branch Change(01)
(Electrical Engineering, II -Year)	1000005 Project Management & Financing	12	Offline	Network Problems & Health Issues
<b>Class</b>	<b>Subject/ Name of Coordinator</b>	<b>No. of students with poor attendance</b>	<b>Date of meeting (off/online)</b>	<b>Broad reasons for not attending classes</b>
(Internet of Things, II Year)	II Year III Sem (EE-IoT)	06	10.10 2022, 11.10.2022 & 12.10.2022	Health issues of Self & Family.
Electrical Engineering-III Year	130511	20	Every week	Family Issues Medical reasons, Gate preparation, assigned in different activities, club activities
Electrical Engineering-III Year	130512	18	09,10,11,12-10-22, online & offline	Medical reasons and Family Problems, Techfest, Gate preparation etc
Electrical Engineering-III Year	130513	14	Every week	Family Issues
Electrical Engineering-III Year	130514	20	10,11,12-10-22,offline	Techfest, family issue, Gate preparation, Health issue,
Electrical	130515	16	11.10.22,	Family Issues

Engineering-III Year			Offline	Medical Issues
Electrical Engineering-III Year	1000005 Project Management & Financing	10	11.10.22, Offline	Network Problems
Electrical Engineering-III Year	1000006 Disaster Management	14	15.10.22, Online	Network Problems
<b>Name of the Department : Electronics Engineering</b>				
Electronics Engineering 2 <sup>nd</sup> Year	Dr. Vikas Mahor	14	26/09/2022 Offline	3 Students are out of station due there personal issues and rest having health issues.
Electronics & Telecommunication Engineering 2 <sup>nd</sup> Year	Dr. Deepak Batham	7	26/09/2022 Offline	Due to illness, viral fever, family issues. Conveyance problem.
Electronics Engineering 3 <sup>rd</sup> Year	Prof. D.K. Parsediya Dr. Hemant Choubey	6	30/09/2022 (Offline)	Health issue, Personal Problems.
Electronics & Telecommunication Engineering 3 <sup>rd</sup> Year	Dr. Karuna Markam	7	30/09/2022 (Offline)	Health issue, NCC, Family issue, Financial problem
<b>Name of the Department : Information Technology</b>				
Information Technology 3 <sup>rd</sup> Semester	Engineering Mathematics –II (100025)	06	11/10/2022 (Offline)	<ul style="list-style-type: none"> <li>• Due to health issues and personal reasons</li> <li>• Due to some treatment I was out of Gwalior</li> <li>• I was not even in Gwalior for some time so this is the reason so I couldn't afford to come to attend classes</li> </ul>
	Computer System organization(160311)	04		
	Design and analysis of algorithms (160312)	06		
	Database Management System (160313)	02		
	Operating System (160314)	11		
	Project management & Financing (1000005)	04		
<b>Class</b>	<b>Subject/ Name of Coordinator</b>	<b>No. of students with poor attendance</b>	<b>Date of meeting (off/online)</b>	<b>Broad reasons for not attending classes</b>
3 <sup>rd</sup> Semester Artificial Intelligence and Machine Learning	Discrete structure (280301)	08	11/10/2022	<ul style="list-style-type: none"> <li>• Health issues and personal reason</li> <li>• Due to some treatment I was out of Gwalior</li> </ul>
	Design & Analysis of Algorithms (280302)	13		
	Operating system	05		

	(280303)			
	Computer Networking and Protocols (280304)	05		
	Database management System (280305)	13		
	Project Management and Financing (1000005)	08		
3 <sup>rd</sup> Semester Internet of Things	Probability and random process (250106)	02	11/10/2022 (Offline)	<ul style="list-style-type: none"> <li>• Due to health issues and personal reasons</li> <li>• Due to some treatment I was out of Gwalior</li> <li>• Dear sir, at the start of the semester passed away, thus I had to travel to Bhopal for the funeral. Then I got very sick because of viral fever that extended my stay in Bhopal. But now I am healthy and will start attending the classes regularly.</li> <li>• I was not even in Gwalior for some time so this is the reason so I couldn't afford to come to attend classes.</li> <li>• I didn't know that attendance was compulsory I will attend the classes from now on.</li> </ul>
	Database Management System (230304)	07		
	Design and Analysis of Algorithm (230301)	08		
	Computer networking and protocol(230302)	06		
	Operating system (230302)	05		
	Project Management and financing (1000005)	11		
3 <sup>rd</sup> Semester Artificial Intelligence and Data Science	Discrete structure (270301)	04	12/10/2022 (Online)	Health issues and personal reasons
	Design & Analysis of Algorithms (270302)	12		
	Operating System (270303)	04		
	Computer networking and Protocols(270304)	13		
	Database management systems (270305)	08		
	Project management and financing(000005)	08		
<b>Class</b>	<b>Subject/ Name of Coordinator</b>	<b>No. of students with poor</b>	<b>Date of meeting (off/online)</b>	<b>Broad reasons for not attending classes</b>

		attendance		
3 <sup>rd</sup> Semester Artificial Intelligence and Robotics	Probability and random process (250106)	07	12/10/2022 (Online)	Health and family issues, personal issues
	Operating system (240306)	04		
	Database Management System (230304)	15		
	Design and Analysis of Algorithm(240301 )	14		
	Computer networking and protocol(240303)	08		
	Project Management and financing (1000005)	06		
	5 <sup>th</sup> Semester Information Technology	Discrete structure (160511)		
Data science using python (160512)		9	10/10/2022	
Theory of Computation(160 513)		10	30/09/2022	
Microprocessor and interfacing (160514)		7	10/10/2022	
Soft Computing (160515)		8	07/10/2022	
Disaster management (100006)		6	10/10/2022	
5 <sup>th</sup> Semester Artificial Intelligence and Robotics	Discrete Structure (240501)	13	10/10/2022 (Online)	Personal reason & health issues
	Date Science using python (240502)	11		
	Theory of computation(240 503)	10		
	Robotics and control (240504)	10		
	Soft computing	12		



	Techniques (240505)			
	Project Management & Financing (1000005)	05		
	Disaster Management (100006)	05		
<b>Class</b>	<b>Subject/ Name of Coordinator</b>	<b>No. of students with poor attendance</b>	<b>Date of meeting (off/online)</b>	<b>Broad reasons for not attending classes</b>
5 <sup>th</sup> Semester Internet of Things	Discrete Structure (230501)	05	29/09/2022 (Offline)	• Medical issues and personal reasons
	Date Science using python (230502)	05		
	Theory of computation (230503)	08		
	Embedded system & IoT (230504)	05		
	Soft computing Techniques (230505)	05		
	Project Management & Financing (1000005)	05		

**Name of the Department : Engineering Mathematics & Computing**

<b>Class</b>	<b>Subject/Name of Coordinator</b>	<b>No. of students with poor attendance</b>	<b>Date of meeting (off/online)</b>	<b>Broad reasons for not attending classes</b>
3rd Semester Engineering Mathematics & Computing	Simulation Modeling and Analysis(250302)	7	Offline/Telephone Conversation (15/09/2022,21/09/2022)	Personal Reasons and Health Problems
	Discrete Mathematical Structures (250303)	8	19.9.2022	Health issues and Family problems
	Operating System Concepts(250303)	8	11.09.2022	Medical and Personal Reasons
	Data Structures and Algorithms(250305)	9	19.9.2022	Family and Health problems
	Numerical Techniques (250305)	2	20.09.2022	Health issues
	Computer Networks (250501)	17	20/09/2022	-Health Issue -Out of city due to function -Family problem

5th Semester Engineering Mathematics & Computing	Real and Complex Analysis(250502)	15	29/09/2022	<ul style="list-style-type: none"> <li>● Medical Issue</li> <li>● NCC Camp</li> <li>● Personal Problem</li> </ul>
	Software Engineering(250503)	11	10/10/2022	<ul style="list-style-type: none"> <li>❖ Health Issue</li> <li>❖ NCC Camp</li> <li>❖ Family problems</li> </ul>
	Data Science using Python(250504)	4	16/09/2022	-Health issues -Family Problems
	Optimization Techniques(250505)	18	19.09.2022	<ul style="list-style-type: none"> <li>❖ Health Issues</li> <li>❖ Family Problems</li> </ul>

**Item. 4: To present the summary and report of briefing meeting with the VIII Semester students regarding their Internship/Project (student support initiatives)**

**Summary of Internship/Project meeting with the VIII Semester Students**

**(July-December 2022 Session)**

Departments	Date	Number of students Registered	Number of students Present	Link of meeting
Civil Engineering	16.11.2022	110	80	Offline
Mechanical Engineering	18.10.2022	149	78	<a href="https://meet.google.com/ran-czdu-bzv">https://meet.google.com/ran-czdu-bzv</a>
Automobile Engineering	& 20 .10.2022	65	36	
				<a href="https://meet.google.com/arv-fmiu-ngp">https://meet.google.com/arv-fmiu-ngp</a>
Electrical Engineering	10.09.2022	144	72	<a href="https://docs.google.com/spreadsheets/d/1HcfxnSPZEfc_5upPMOTI4d-2Og4LRWNNfHMJ0voRCQ/edit?usp=sharing">https://docs.google.com/spreadsheets/d/1HcfxnSPZEfc_5upPMOTI4d-2Og4LRWNNfHMJ0voRCQ/edit?usp=sharing</a>
Electronics Engineering	28.10.2022	207	93	<a href="https://meet.google.com/pzb-nea-qgw">https://meet.google.com/pzb-nea-qgw</a>
Computer Science	14.10.2022	140	18	Offline
Information Technology	10.10.2022	60	40	<a href="https://meet.google.com/fin-xujd-rsn">meet.google.com/fin-xujd-rsn</a>
	16.11.2022			
Chemical Engineering	14/09/2022	58	25	Offline
	18/11/2022			

The department-wise report and details are available at:

[https://drive.google.com/drive/folders/1Sg4DtnI687VN6C-TwexigZC3xR5Rpa\\_N?usp=sharing](https://drive.google.com/drive/folders/1Sg4DtnI687VN6C-TwexigZC3xR5Rpa_N?usp=sharing)

**Item. 5 To report on the status of Internship and Placement details (2023 Batch) till 31<sup>st</sup> December 2022 through the Placement Cell**

— The placement process is ongoing. The status is presented in the meeting as shown below.

No. of Companies (Till 31 <sup>st</sup> Dec, 2022)	No. of Placements till 31 <sup>st</sup> Dec	No. of Companies for ONLY 06 months Internship	Total No. of Companies offering Internship + Job	Total No. of Students received Internship from T&P Cell	No. of Students taking NOCs for Internship
<b>31+</b>	<b>422</b>	<b>06</b>	<b>15</b>	<b>200 *</b>	<b>500</b>

\*Approximately, including in process companies + Few companies in Pipeline till January 2023

S.No.	Name of Company	CTC Offered	No. of Placements
1	Infosys	Rs. 3.6LPA	13
		Rs. 6.25LPA	5
2	Accenture	Rs. 4.5LPA	107
		Rs. 6.5LPA	5
3	Kloudspot	Rs. 8.1LPA	11
4	Deqode	Rs. 6.0LPA	On Hold
5	TCS	Rs. 3.5 to 7.5LPA	On Hold
6	Trilogy	Rs. 38.0LPA	0
7	Neemtree.in	Rs. 3.5LPA	0
8	LTI(Infotech)	Rs. 4.0LPA	89
		Rs. 5.0LPA	16
		Rs. 6.5LPA	6
9	Hughes Systique	Rs. 10.0LPA	6
10	HikeEdu	Rs. 4.5LPA	7
11	Sopra Steria	Rs. 6.0LPA	13
12	Simplifyvms	Rs. 7.25LPA	4
13	Virtusa	Rs. 6.5LPA	3
14	Persistent Systems	Rs. 5.1LPA	31
15	Tech Mahindra	Rs. 3.25LPA	28
		Rs. 5.5LPA	1
16	NewGen	Rs. 4.25LPA	29
17	Wipro	Rs. 3.5 to 5.5LPA	On Hold
18	Vodafone	Rs. 4.5LPA	In Process
19	RxLogix	Rs. 5.5LPA	20
20	IBM	Rs. 4.5LPA	11
21	Schaeffler Technology		In Process
22	Asahi India Glass Ltd. (AIS)	Rs. 3.0LPA	7
23	IndiaMART	Rs. 3.0LPA	In Process
24	Bugsmirror	Rs. 6.0LPA	0
25	Totality Group	Rs. 6.0 LPA	0
26	Amazon (CSR) Internship		In Process
27	Preadico Internship		10
28	Avyaan Management Pvt. Ltd.		In Process
29	Godrej	Rs 3.3 LPA	In Process
30	Intern with Swiggy		
31	Intern Cuvette/Bangalore		
			422

- Mobilloitte , Bunge India, Caste.co etc. in pipeline

**Item. 6 Feedback Report on conduction of the Novel and Engaging Courses (NEC)  
(Jan-April 2022) & (July-November 2022)**

- The NEC are conducted for the holistic development of the students.
- Four (04) credits are assigned to NEC, 01 credit each in III, IV, V and VI semester.

Session	Number of student Registered	Number of student given Feedback	% of Students
Jan-April 22	1226	836	68%
July-Nov 22	2546	1458	57.27

## Feedback of Novel Engaging Courses

(January-April 2022)

Sr.	Module	Mentor Name	Registered Students	Feedback Given by	% Responses	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	FFI
1	3D Printing	Gavendra Norkey	20	20	100	4.6	4.6	4.6	4.5	4.3	4.4	4.3	4.3	4.4	4.3	4.43
2	Animation	Amit Kumar Manjhvar	50	33	66	4	4	4.2	4	4.1	4.1	4.2	4.1	4.2	4.1	4.1
3	Artistry* - II	Pooja Sahoo	10	9	90	4.4	4.6	4.9	4.4	4.6	4.2	4.6	4.6	4.4	4.6	4.53
4	Basic and Advanced Excel	Abhilash Shukla	50	39	78	4.5	4.4	4.6	4.5	4.3	4.2	4.6	4.4	4.4	4.4	4.43
5	Basic Programming of Python using Google Colab	Hemant Choubey	47	25	53	4.7	4.5	4.6	4.5	4.6	4.4	4.6	4.6	4.4	4.4	4.53
6	Basics of Campus Recruitment Training	Trilok Pratap Singh	46	29	63	4.4	4.4	4.5	4.4	4.5	4.3	4.5	4.6	4.5	4.4	4.45
7	Basics of MATLAB Programming	Sandeep Sharma	20	17	85	4.7	4.6	4.8	4.7	4.6	4.4	4.6	4.6	4.7	4.7	4.64
8	Basics of Technical Analysis in Stocks	Ankit Kumar	50	25	50	4.4	4.2	4.6	4.3	4.1	4.1	4.4	4.4	4.2	4.4	4.31
9	Cloud Computing: Techniques & Tools	Mir Shah Nawaz Ahmad	50	36	72	4.6	4.5	4.8	4.6	4.5	4.5	4.7	4.5	4.6	4.6	4.59
10	Coding Skills** - II	Rajni Ranjan Singh	41	32	78	4.6	4.7	4.7	4.5	4.3	4.4	4.5	4.4	4.6	4.4	4.51
11	Creative thinking and problem solving	Harbhajan Ahirwar	26	13	50	4.8	4.5	4.8	4.6	4.5	4.4	4.5	4.5	4.7	4.6	4.59
12	Data Analysis Skills	D K Jain	22	16	73	4.7	4.4	5	4.2	4.4	4.3	4.8	4.3	4.3	4.3	4.47
13	Design Skills Using Simulation Software	Sharad Agrawal	21	14	67	4.3	4	4.6	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.34
14	Digital Learning* - II	Punit Kumar Johari	14	10	71	4.5	4.4	4.6	4.4	4.7	4.4	4.5	4.5	4.5	4.4	4.49
15	Elements of Photographic Skills	Deep Kishore Parse diya	15	12	80	4.6	4.7	4.7	4.6	4.6	4.8	4.6	4.7	4.7	4.6	4.66
16	Emerging Technologies in Computer Science	Mahesh Pamar	18	13	72	4.8	4.5	5	4.8	4.7	4.5	4.5	4.7	4.7	4.7	4.69
17	English Literary Skills	Sanjeev Khanna	12	6	50	4.5	4.7	4.7	4.3	4.3	4.5	4.5	4.5	4.7	4.7	4.54
18	Environment Protection* - II	Aditya K. Agarwal	28	20	71	4.3	4.1	4	4.3	4.1	4.2	4.3	4.4	4.4	4.1	4.22
19	Food and Nutrition	Anjula Gaur	28	19	68	4.8	4.6	4.9	4.7	4.6	4.4	4.7	4.6	4.8	4.7	4.68
20	Games & Sports** - II	B.P.S. Bhadoria	49	35	71	4.8	4.9	4.9	4.8	4.7	4.8	4.8	4.8	4.9	4.8	4.82
21	Graphic Design	Satyam Shukla	50	38	76	4.5	4.2	4.4	4.3	4.3	4.2	4.4	4.2	4.1	4.3	4.29
22	Hindi Language Skills	Angad Singh Ojha	17	17	100	4.8	4.5	4.8	5	4.6	4.8	4.8	4.6	4.5	4.5	4.69
23	Introduction to Entrepreneurship: Challenges and Opportunities	Varun Sharma	22	11	50	4.8	4.8	4.9	4.7	4.6	4.6	4.8	4.5	4.7	4.6	4.7
24	IT Tools	Abhishek Dixit	9	6	66	4.8	5	5	4.7	4.7	4.8	4.7	5	4.8	4.5	4.8
25	Knowing Madhya Pradesh	Anjula Mehto	50	20	40	4.5	4.6	4.7	4.7	4.5	4.4	4.6	4.7	4.5	4.6	4.58
26	Mentoring Skills** - II	Sapna Kumari	19	14	74	4.9	4.8	4.9	4.7	4.6	4.8	4.7	4.7	4.9	4.6	4.76
27	Music - The Melody of Life	Shubhi Kansal	12	6	50	4.7	4.7	5	4.5	4.7	4.5	4.7	4.5	4.5	4.7	4.65
28	National Cadet Corps** NCC - II	B.P.S. Bhadoria	20	19	95	4.8	4.7	4.9	4.7	4.6	4.9	4.8	4.9	5	4.9	4.82
29	National Service Scheme** NSS - II	Manish K. Sagar	33	17	52	4.9	4.8	4.9	4.8	4.7	4.9	4.8	4.7	4.8	4.9	4.82
30	Personality Development* - II	Anjali S Patil	23	12	52	4.7	4.8	4.8	4.7	4.6	4.5	4.7	4.5	4.4	4.6	4.63
31	Photo Editing Software: Adobe Photoshop	Versha Sinha	50	28	56	4.8	4.6	4.8	4.7	4.6	4.5	4.5	4.6	4.6	4.4	4.61
32	Physical Fitness* - II	Rajendra Prasad Kori	22	19	86	4.7	4.6	4.7	4.6	4.5	4.3	4.6	4.6	4.4	4.4	4.54
33	Public Speaking* - II	Manish Dixit & Ankita Sengupta	16	8	50	4.6	4.6	4.9	4.8	4.3	4.5	4.8	4.6	4.6	4.5	4.62

34	Python for Image processing applications using Open CV	Pawan Dubey	50	29	58	4.6	4.4	4.7	4.4	4.2	4.4	4.6	4.3	4.5	4.6	4.47
35	Renewable Energy Technology: Domestic load requirements	Rahul Sagwal	18	17	94	4.7	4.6	4.7	4.6	4.6	4.5	4.8	4.7	4.7	4.6	4.65
36	Research Paper Writing	Dinesh Rano	8	8	100	4.9	4.9	5	4.9	4.6	4.9	4.8	4.8	4.8	4.9	4.85
37	Robotics	Karuna Markam	36	32	89	4.4	4.4	4.7	4.7	4.4	4.2	4.4	4.2	4.3	4.4	4.41
38	Science and Technology Around Us	Rakesh Kumar Dubey	8	6	75	4	4	4	4.2	3.9	3.9	4	3.9	4.3	4	4.02
39	Shutter Up-Flash Me Photography	Shourabh S. Raghuvanshi	15	13	87	4.5	4.5	4.5	4.5	4.9	4.5	4.7	4.5	4.6	4.5	4.57
40	Smart World Technology	Kalka Dubey	13	9	69	4.7	4.2	4.7	4.7	4.1	4.1	4.6	4.1	4.4	4.3	4.39
41	Software Development** - II	Atul Chauhan	28	27	96	4.8	4.4	4.4	4.3	4	4.2	4.4	4.4	4.3	4.4	4.36
42	Understanding Financial Markets	Saumil Maheshwari	50	28	56	4.7	4.5	4.7	4.7	4.5	4.5	4.7	4.6	4.6	4.5	4.6
43	Vehicular Skill Development	Vedansh Chaturvedi	25	18	72	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.3	4.5	4.4	4.59
44	World Heritage Sites: A Brief Overview	Richa Mishra	15	11	73	4.9	4.7	5	4.5	4.4	4.5	4.8	4.5	4.6	4.6	4.65
<b>Total</b>			<b>1226</b>	<b>836</b>	<b>68%</b>											
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<b>Nomenclature</b>																
P1	Course Mentor clearly defines the goals at the beginning of the Novel Engaging Course															
P2	The course sequence was well planned															
P3	Behavior of course mentor is ethical and shows no gender bias															
P4	The course exposed to you about new knowledge and practices															
P5	The quality of lectures/PPT available through MOODLE, YouTube and other online platforms was good															
P6	The Level of the Novel Engaging course is															
P7	Rate the Communication skills of the faculty															
P8	This Course help me to grow professionally and socially															
P9	I would recommend this Course to other students in future															
P10	Overall rating of the course															



40	2000084 Role of MATLAB in Computations	Prof. Ranjeet Kumar Singh	31	18	58.06	4	5	5	5	5	4	5	4	4	5	4.6
41	2000085 Demystifying Online Social networks	Prof. Arun Kumar	28	25	89.29	5	5	5	5	4	5	5	5	5	5	4.9
42	2000089 IT Tools	Prof. Abhishek Dixit	50	18	36.00	5	5	5	5	5	5	5	5	4	5	4.9
43	2000090 Understanding Financial Markets	Prof. Saumil Maheshwari	50	39	78.00	5	5	5	5	5	5	5	5	5	5	5
44	2000093 Modern techniques for business correspondence	Prof. Namrata Agrawal	18	10	55.56	5	5	5	5	5	5	5	5	5	5	5
45	2000095 Imbalance Learning	Prof. Bhagat Singh Raghuwanshi	8	5	62.50	5	5	5	5	5	5	5	5	5	5	5
46	2000096 Python for Image processing applications using	Prof. Pawan Dubey	50	22	44.00	4	4	5	4	4	4	4	4	4	4	4.1
47	2000099 Basics and Applications of Mathematica	Prof. Atul Kumar Ray	19	7	36.84	4	4	5	4	5	5	5	5	4	4	4.5
48	2000101 Proficiency in Microsoft Excel	Prof. Nikhil Paliwal	50	35	70.00	5	5	5	5	5	5	5	5	5	5	5
49	2000108 Basics of MATLAB Programming	Dr. Sandeep Sharma	42	32	76.19	5	4	5	4	5	4	5	4	4	4	4.4
50	2000109 Basic Programming of Python using Google Colab	Prof. Hemant Choubey	50	38	76.00	5	5	5	5	4	5	5	5	5	5	4.9
51	2000110 LT Spice Tutorial for Circuit Simulation	Prof. Vikas Mahor	21	19	90.48	4	5	5	5	5	5	5	4	5	5	4.8
52	2000114 Understanding Logic Gates	Prof. Rahul Dubey	31	13	41.94	5	5	5	5	5	5	5	5	5	5	5
53	2000117-CFD Foundation Course using ANSYS FLUENT	Prof.Subhash Chandra Pal	12	0	0.00	-	-	-	-	-	-	-	-	-	-	-
54	2000118 Solar Applications	Prof. Ravi Kant Ranjan	21	14	66.67	5	5	5	5	4	5	5	4	5	5	4.8
55	2000121 Creative thinking and problem solving	Prof. Harbhajan Ahirwar	50	7	14.00	4	4	4	4	4	4	4	4	4	4	4
56	2000122 Material Characterization Techniques for Engineers	Prof. Dinesh Rathore	11	6	54.55	5	5	5	5	5	5	5	5	5	5	5
57	2000124 Basics of Campus Recruitment Training	Dr. Trilok Pratap Singh	50	50	100.00	5	5	5	5	5	5	5	5	5	5	5
58	2000125 Corporate Governance	Dr. Namrata Gupta	8	7	87.50	4	4	4	4	4	4	4	4	4	4	4
59	2000130 Study of Historical Monuments of Gwalior	Prof. Jaimala Jha	14	5	35.71	4	4	5	4	4	4	4	4	4	4	4.1
60	2000133 Digital Circuit Design	Prof. Kuldeep Swarnkar	15	5	33.33	4	4	5	4	4	4	4	4	4	4	4.1
61	2000134 Practical Electronics for Inventors	Prof. Madhav Singh	7	4	57.14	5	5	5	5	5	5	5	5	5	5	5
62	2000136 Basics of Control Systems for Engineers	Prof. R.P. Narwaria	17	11	64.71	4	4	4	4	4	4	4	4	4	4	4
63	2000137 Computational Thinking for Problem Solving	Dr. Sanjiv Sharma	53	20	37.74	5	5	5	5	4	4	5	4	5	4	4.6
64	2000138 Introduction to Auto CAD for Engineers	Prof. Utkarsh Shrivastava	50	33	66.00	4	4	5	4	4	4	4	4	4	4	4.1
65	2000139 Smart Home Technologies	Prof. Vikas Shejwar	50	33	66.00	4	4	4	4	4	4	4	4	4	4	4
66	2000142 Microsoft Office-Excel Skills	Prof. Abhilash Sonker	50	14	28.00	5	5	5	5	4	4	4	5	5	4	4.6
67	2000143 Know your Country: History, Culture & Tradition	Dr. Neha Bharadwaj	50	34	68.00	4	4	5	4	4	4	4	4	4	4	4.1
68	2000148 Project Management	Dr. Jyoti Vimal	50	37	74.00	5	5	5	5	5	5	5	5	5	5	5
69	2000150 Statistical data analysis through programming	Dr. Dhananjay Bisen	50	41	82.00	5	5	5	5	5	5	5	5	5	5	5
70	2000151 Innovation: From Creativity to Entrepreneurship	Prof. Ankit Kumar	50	18	36.00	5	5	5	5	4	5	5	5	4	5	4.8
71	2000155 Entrepreneurship: Concept to Company*-I	Prof. Varun Sharma	42	31	73.81	5	5	5	5	5	5	5	5	5	5	5
72	2000157 Bhagwad Gita- An Introduction	Dr. C.S. Malvi	50	39	78.00	5	5	5	5	5	5	5	5	5	5	5
			<b>Total</b>	<b>2546</b>	<b>1458</b>	<b>57.27</b>										

#### QUESTIONS

- Q1 Course Mentor clearly defines the goals at the beginning of the Novel Engaging Course
- Q2 The course sequence was well planned
- Q3 Behavior of course mentor is ethical and shows no gender bias
- Q4 The course exposed to you about new knowledge and practices
- Q5 The quality of lectures/PPT available through MOODLE, YouTube and other online platforms was good
- Q6 The Level of the Novel Engaging course is
- Q7 Rate the Communication skills of the faculty
- Q8 This Course help me to grow professionally
- Q9 I would recommend this Course to other students in future
- Q10 Overall rating of the course

(Dr. Rajeev Kansal)  
Dean, Student Welfare



**Item. 7 To present the List of proposed Novel Engaging Courses**

Session	July-Dec 2021	Jan-June 2021	July-Dec 2022	Jan-June 2023
Courses with registration	33	44	72	78
Courses offered	38	87	104	97

**(JANUARY - JUNE 2023)**

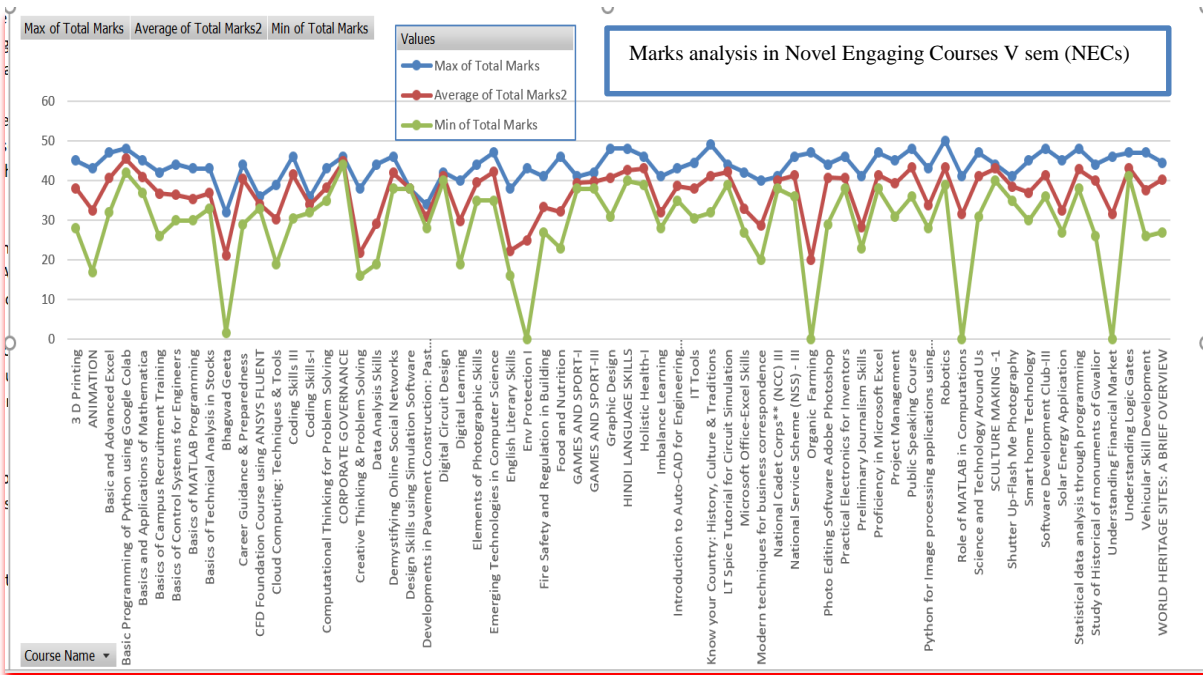
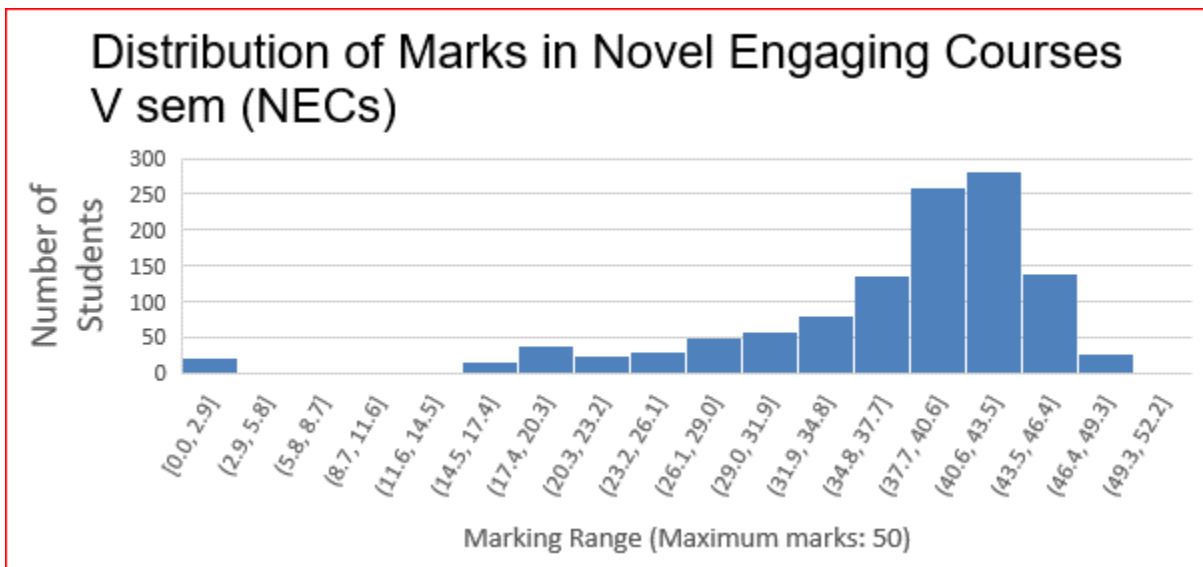
<b>LIST OF PROPOSED NOVEL ENGAGING COURSES (JAN. - JUNE 2023)</b>			
Sr.	Course Name & Code	Mentor	Mentor Deptt.
1	3D Printing (2000001)	<u>Gavendra Norkev</u>	ME
2	Amateur Radio Communication (2000002)	<u>Vandana Vikas Thakare</u>	EC
3	Design Skills Using Simulation Software (2000003)	<u>Sharad Agrawal</u>	ME
4	Data Analysis Skills (2000004)	<u>D.K. Jain</u>	MAC
5	Robotics (2000007)	<u>Karuna Markam</u>	EC
6	Vehicular Skill Development (2000008)	<u>Vedansh Chaturvedi</u>	ME
7	Animation (2000009)	<u>Amit Manjhar</u>	CSE
8	Digital Learning* - II (2000011)	<u>Punit Kumar Johari</u>	IT
9	Elements of Photographic Skills (2000012)	<u>D.K. Parsediya</u>	EC
10	Environment Protection* - II (2000014)	<u>Aditya K. Agarwal</u>	CE
11	National Service Scheme** (NSS) - II (2000017)	<u>Manish Sagar</u>	NSS
12	National Service Scheme** (NSS) - IV (2000019)	<u>Manish Sagar</u>	NSS
13	National Cadet Corps** (NCC) - II (2000021)	<u>B.P.S. Bhadoria</u>	NCC
14	National Cadet Corps** (NCC) - IV (2000023)	<u>B.P.S. Bhadoria</u>	NCC
15	Organic Farming (2000028)	<u>Archana Tivari</u>	CE
16	Games & Sports** - II (2000033)	<u>B.P.S. Bhadoria</u>	Sports
17	Games & Sports** - IV (2000035)	<u>B.P.S. Bhadoria</u>	Sports
18	Holistic Health* - II (2000043)	<u>Vishal Chaudhary</u>	EE
19	Sculpture Making* - II (2000047)	<u>Pranshi Jain</u>	Arch.
20	English Literary Skills (2000048)	<u>Sanjeev Khanna</u>	Humanities
21	Hindi Language Skills (2000049)	<u>A.S. Ojha</u>	MAC
22	Preliminary Journalism Skills (2000050)	<u>Anish P. Jacob</u>	CM
23	Food and Nutrition (2000052)	<u>Anjula Gaur</u>	App. Sc.
24	Career Guidance & Preparedness (2000053)	<u>Praveen Bansal &amp; Swati Gupta</u>	EE & CM.
25	Public Speaking* - II (2000059)	<u>Manish Dixit &amp; Ankita Sengar</u>	CSE
26	Coding Skills** - II (2000061)	<u>Raini Ranjan Singh</u>	CSE
27	Coding Skills** - IV (2000063)	<u>Raini Ranjan Singh</u>	CSE
28	Emerging Technologies in Computer Science (2000064)	<u>Mahesh Parmar</u>	CSE
29	Software Development** - II (2000067)	<u>Atul Chauhan</u>	Data Resource
30	Software Development** - IV (2000069)	<u>Atul Chauhan</u>	Data Resource
31	Photo Editing Software: Adobe Photoshop (2000070)	<u>Versha Sinha</u>	Arch.
32	Basics of Technical Analysis in Stocks (2000071)	<u>Ankit Kumar</u>	Arch.
33	Graphic Design (2000072)	<u>Satyam Shukla</u>	Arch.
34	World Heritage Sites: A Brief Overview (2000073)	<u>Richa Mishra</u>	Arch.
35	Basic and Advanced Excel (2000074)	<u>Abhilash Shukla</u>	CE
36	<u>Shilpa Samhita : Philosophy of Indian Ancient Geotechnical Engineering (2000075)</u>	<u>Chayan Gupta</u>	CE
37	<u>Fire Safety and Regulation in Building (2000076)</u>	<u>Hemant Shrivastava</u>	CE
38	<u>Developments in Pavement Construction: Past to Future (2000077)</u>	<u>Jayvant Choudhary</u>	CE
39	<u>Shutter Up-Flash Me Photography (2000080)</u>	<u>Shourabh Raghuvanshi</u>	CM
40	<u>Science and Technology Around Us (2000081)</u>	<u>Rakesh Dubey</u>	CM
41	<u>Cloud Computing: Techniques &amp; Tools (2000083)</u>	<u>Mir Shah Nawaz Ahmad</u>	CSE
42	<u>Role of MATLAB in Computations (2000084)</u>	<u>Ranjeet Kumar Singh</u>	CSE
43	<u>Demystifying Online Social networks (2000085)</u>	<u>Arun Kumar</u>	CSE
44	<u>Gender Sensitization (2000088)</u>	<u>Anshu Chaturvedi</u>	CSE
45	<u>IT Tools (2000089)</u>	<u>Abhishek Dixit</u>	IT
46	<u>Understanding Financial Markets (2000090)</u>	<u>Saumil Maheshwari</u>	IT
47	<u>Intellectual Property : Rules, Drafting and Processing (2000091)</u>	<u>Vikram Rajpoot</u>	IT
48	<u>Modern techniques for business correspondence (2000093)</u>	<u>Namrata Agrawal</u>	IT
49	<u>Integrating Engineering and Literacy (2000094)</u>	<u>Tej Singh</u>	IT (AIR)
50	<u>Imbalance Learning (2000095)</u>	<u>Bhagat Singh Raghuvanshi</u>	IT (AIR)
51	<u>Python for Image processing applications using OpenCV. (2000096)</u>	<u>Pawan Dubey</u>	IT (AIR)

52	MATLAB: Applications in Mathematical Biology (2000098)	<u>Divya Chaturvedi</u>	MAC
53	Basics and Applications of Mathematica (2000099)	<u>Atul Kumar Ray</u>	MAC
54	Technical Report Writing for Engineers (2000100)	<u>Minakshi</u>	MAC
55	Proficiency in Microsoft Excel (2000101)	<u>Nikhil Paliwal</u>	EE
56	Fundamentals of Electronics Devices (2000102)	<u>Manoj Kumar</u>	EE
57	Microsoft Visio: Scratch to Advance (2000103)	<u>Bhavna Rathore</u>	EE
58	Electrical Wiring, hazards & safety (2000107)	<u>Saurabh Rajput</u>	EE
59	Basics of MATLAB Programming (2000108)	<u>Sandeep Sharma</u>	EC
60	Basic Programming of Python using Google Colab (2000109)	<u>Hemant Choubey</u>	EC
61	LT Spice Tutorial for Circuit Simulation (2000110)	<u>Vikas Mahor</u>	EC
62	Understanding Logic Gates (2000114)	<u>Rahul Dubey</u>	EC
63	MATLAB Simulink (2000115)	<u>Deepak Batham</u>	EC
64	Solar Applications (2000118)	<u>Ravi Kant Ranjan</u>	ME
65	Computational Methods for Engineers using MATLAB (2000119)	<u>Nitin Upadhayay</u>	ME
66	Role of Non-Destructive Testing (NDT) in modern inspection technology (2000120)	<u>Surendra Chourasiya</u>	ME
67	Material Characterization Techniques for Engineering Applications (2000122)	<u>Dinesh Rathore</u>	ME
68	System Dynamics: Using Bond Graph Approach (2000123)	<u>Neeraj Mishra</u>	ME
69	Basics of Campus Recruitment Training (2000124)	<u>Trilok Pratap Singh</u>	MBA
70	Corporate Governance (2000125)	<u>Namrata Gupta</u>	MBA
71	Professional Networking & CSR (2000126)	<u>Monica Chauhan Bhadoriya</u>	MBA
72	Craft practices in India (2000127)	<u>Gautam Bhadoriya</u>	CE
73	Smart Grid (2000129)	<u>Himmat Singh</u>	EE
74	Study of Historical Monuments of Gwalior (2000130)	<u>Jaimala Jha</u>	CSE
75	An Introduction to Queueing Systems and its Applications (2000131)	<u>J.K. Muthale</u>	MAC
76	Image processing using MATLAB (2000132)	<u>Khushboo Agarwal</u>	CSE
77	Digital Circuit Design (2000133)	<u>Kuldeep Swarnkar</u>	EE
78	Practical Electronics for Inventors (2000134)	<u>Madhav Singh</u>	EC
79	Research Paper Preparation and Publication -Basics (2000135)	<u>Rakesh Narvey</u>	EE
80	Basics of Control Systems for Engineers (2000136)	<u>R.P. Narwaria</u>	EC
81	Computational Thinking for Problem Solving (2000137)	<u>Sanjiv Sharma</u>	IT
82	Introduction to AutoCAD for Engineers (2000138)	<u>Utkarsh Srivastava</u>	ME
83	Smart Home Technologies (2000139)	<u>Vikas Shejwar</u>	IT
84	OrCAD PSpice (2000140)	<u>Yashwant Sawle</u>	EE
85	Electrical Safety (2000141)	<u>Vijay Bhuria</u>	EE
86	Microsoft Office-Excel Skills (2000142)	<u>Abhilash Sonker</u>	IT
87	Know your Country: History, Culture & Traditions (2000143)	<u>Neha Bhardwaj</u>	IT
88	Technical writing (2000144)	<u>Nidhi Saxena</u>	IT
89	“The Smith Chart” concepts for solving complex network problems (2000145)	<u>Pooja Sahoo</u>	EC
90	Basic Course in Numerical Simulation using Scilab (2000146)	<u>Vikram Saini</u>	EE
91	Digital Image Enhancement Techniques (2000147)	<u>Shubhi Kansal</u>	EC
92	Project Management (2000148)	<u>Jyoti Vimal</u>	ME
93	Software Model and Project Management Life Cycle (2000149)	<u>Parul Saxena</u>	CSE
94	Statistical data analysis through programming (2000150)	<u>Dhananjay Bisen</u>	IT
95	Innovation: From Creativity to Entrepreneurship**-II (2000152)	<u>Ankit Tiwari</u>	EE
96	Entrepreneurship: Concept to Company*-II (2000156)	<u>Varun Sharma</u>	EC
97	Bhagwad Gita- An Introduction (2000157)	<u>C.S. Malvi</u>	ME

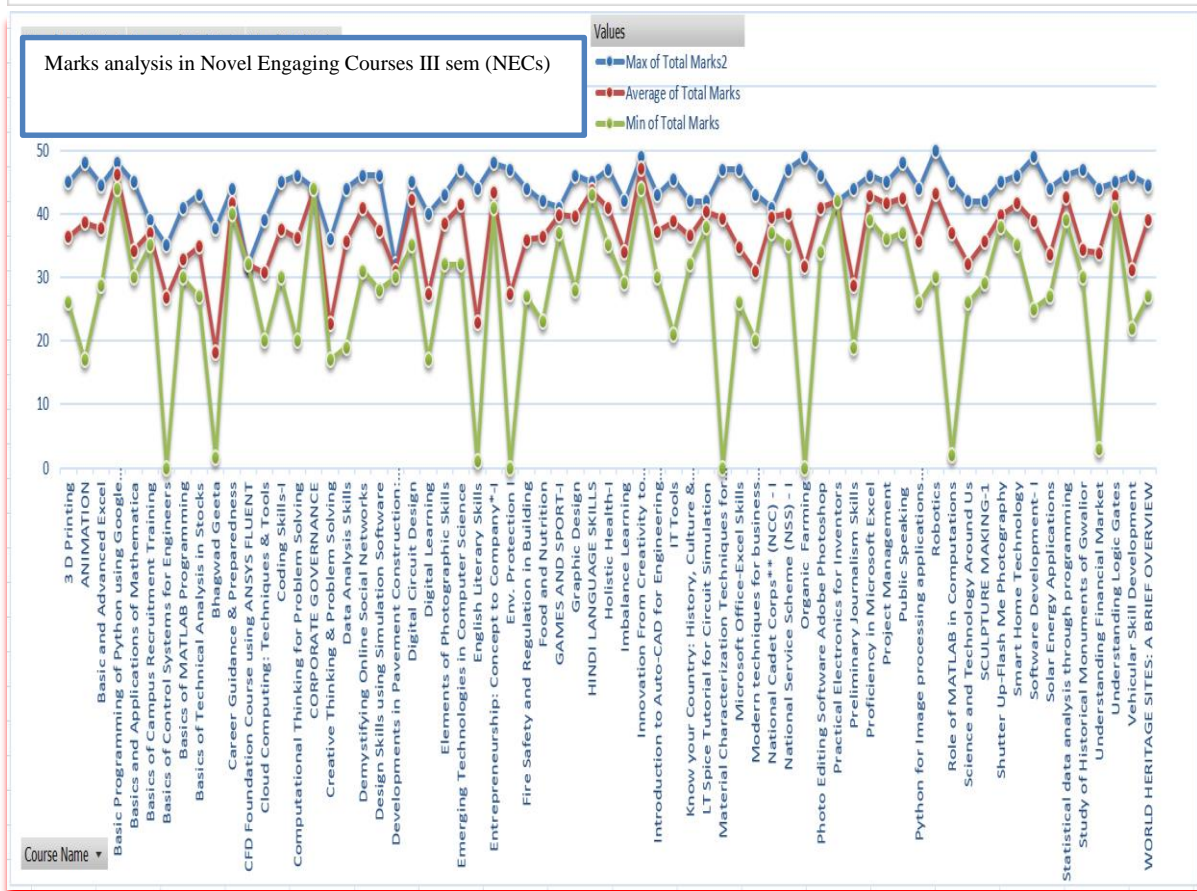
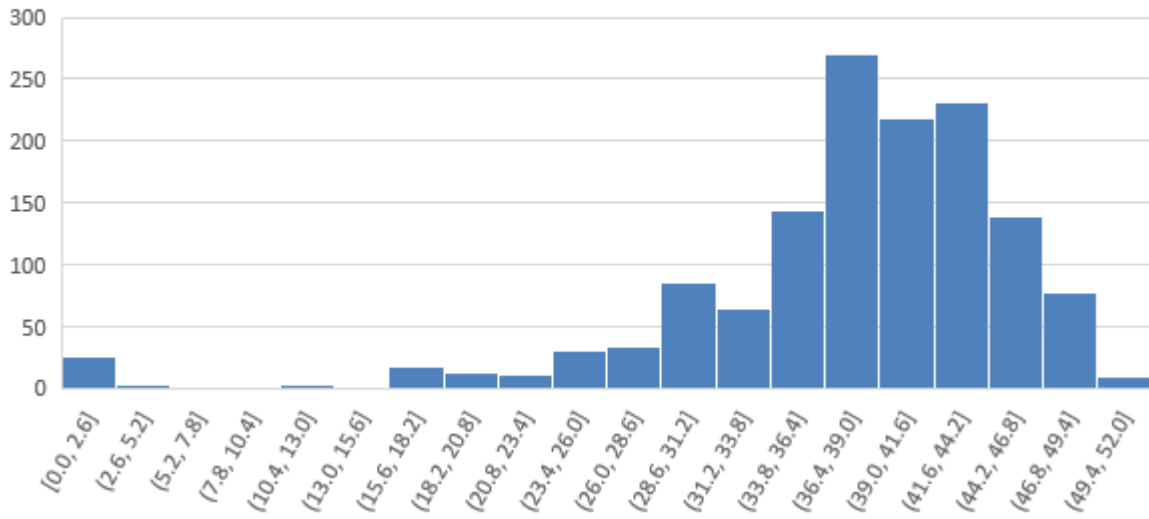
(Dr. Rajeev Kansal)  
Dean Student Welfare

**Item 8: To review the evaluation of Novel Engaging Courses offered for the III and V semester students (July-November 2022)**

- The IQAC reviewed the evaluation mechanism of NEC for the July-Dec 2022 semester.
- It was found that highest number of V semester students were scoring in the range 40.6 to 43.5 out of 50 and III semester students scoring 36.4 to 39.0 out of 50. The distribution of marks is drawn below.
- The distribution is close to normal distribution, which is acceptable.
- The list of courses for the coming semester, Jan-June 2023 was also presented.
- Distribution of Marks in Novel Engaging Courses (NECs)



## Distribution of Marks in Novel Engaging Courses III sem (NECs)



**V Semester students**

Row Labels/Courses	Maximum Marks	Average Marks	Minimum of Marks
3 D Printing	45	38.063	28
ANIMATION	43	32.5	17
Basic and Advanced Excel	47	40.647	32
Basic Programming of Python using Google Colab	48	45.533	42
Basics and Applications of Mathematica	45	40.889	37
Basics of Campus Recruitment Training	42	36.727	26
Basics of Control Systems for Engineers	44	36.4	30
Basics of MATLAB Programming	43	35.385	30
Basics of Technical Analysis in Stocks	43	36.8	33
Bhagwad Geeta	32	21.24	1.66
Career Guidance & Preparedness	44	40.419	29
CFD Foundation Course using ANSYS FLUENT	36	34.1	33
Cloud Computing: Techniques & Tools	39	30.333	19
Coding Skills III	46	41.471	30.5
Coding Skills-I	36	34	32
Computational Thinking for Problem Solving	43	38.158	35
CORPORATE GOVERNANCE	46	44.857	44
Creative Thinking & Problem Solving	38	21.707	16
Data Analysis Skills	44	29.176	19
Demystifying Online Social Networks	46	41.929	38
Design Skills using Simulation Software	38	38	38
Developments in Pavement Construction: Past to Future	34	30.9	28
Digital Circuit Design	42	41	40
Digital Learning	40	29.833	19
Elements of Photographic Skills	44	39.5	35
Emerging Technologies in Computer Science	47	42.167	35
English Literary Skills	38	22.25	16
Env Protection I	43	24.967	0
Fire Safety and Regulation in Building	41	33.286	27
Food and Nutrition	46	32.176	23
GAMES AND SPORT-I	41	39.357	38
GAMES AND SPORT-III	42	39.7	38
Graphic Design	48	40.714	31
HINDI LANGUAGE SKILLS	48	42.571	40
Holistic Health-I	46	43	39
Imbalance Learning	41	32	28
Introduction to Auto-CAD for Engineering Applications	43	38.636	35
IT Tools	44.5	37.967	30.5

Row Labels/Courses	Maximum Marks	Average Marks	Minimum of Marks
Know your Country: History, Culture & Traditions	49	41.122	32
LT Spice Tutorial for Circuit Simulation	44	42.167	39
Microsoft Office-Excel Skills	42	32.889	27
Modern techniques for business correspondence	40	28.667	20
National Cadet Corps** (NCC) III	41	40.083	38
National Service Scheme (NSS) - III	46	41.222	36
Organic Farming	47	20.125	0
Photo Editing Software Adobe Photoshop	44	40.667	29
Practical Electronics for Inventors	46	40.6	38
Preliminary Journalism Skills	41	28.25	23
Proficiency in Microsoft Excel	47	41.414	38
Project Management	45	39.275	31
Public Speaking Course	48	43.25	36
Python for Image processing applications using Open CV	43	33.7	28
Robotics	50	43.25	39
Role of MATLAB in Computations	41	31.5	0
Science and Technology Around Us	47	41	31
SCULTURE MAKING -1	44	43	40
Shutter Up-Flash Me Photography	41	38.455	35
Smart home Technology	45	37	30
Software Development Club-III	48	41.389	36
Solar Energy Application	45	32.4	27
Statistical data analysis through programming	48	42.867	38
Study of Historical of monuments of Gwalior	44	39.9	26
Understanding Financial Market	46	31.476	0
Understanding Logic Gates	47	43.217	41
Vehicular Skill Development	47	37.667	26
WORLD HERITAGE SITES: A BRIEF OVERVIEW	44.5	40.311	27
<b>Overall Maximum/Average/Minimum</b>	<b>50</b>	<b>36.721</b>	<b>0</b>

### III Semester students

Row Labels	Maximum Marks	Average Marks	Minimum of Marks
3 D Printing	45	36.382	26
ANIMATION	48	38.576	17
Basic and Advanced Excel	44.5	37.714	28.75
Basic Programming of Python using Google Colab	48	46.171	44
Basics and Applications of Mathematica	45	34.2	30
Basics of Campus Recruitment Training	39	37	35
Basics of Control Systems for Engineers	35	26.857	0

Row Labels/Courses	Maximum Marks	Average Marks	Minimum of Marks
Basics of MATLAB Programming	41	32.75	30
Basics of Technical Analysis in Stocks	43	34.867	27
Bhagwad Geeta	37.8	18.184	1.6667
Career Guidance & Preparedness	44	41.714	40
CFD Foundation Course using ANSYS FLUENT	32	32	32
Cloud Computing: Techniques & Tools	39	30.727	20
Coding Skills-I	45	37.542	30
Computational Thinking for Problem Solving	46	36.212	20
CORPORATE GOVERNANCE	44	44	44
Creative Thinking & Problem Solving	36	22.6	17
Data Analysis Skills	44	35.633	19
Demystifying Online Social Networks	46	40.929	31
Design Skills using Simulation Software	46	37.4	28
Developments in Pavement Construction: Past to Future	32	31	30
Digital Circuit Design	45	42.154	35
Digital Learning	40	27.353	17
Elements of Photographic Skills	43	38.533	32
Emerging Technologies in Computer Science	47	41.395	32
English Literary Skills	44	22.9	1
Entrepreneurship: Concept to Company*-I	48	43.31	41
Environmental Protection I	47	27.4	0
Fire Safety and Regulation in Building	44	35.9	27
Food and Nutrition	42	36.333	23
GAMES AND SPORT-I	41	39.806	37
Graphic Design	46	39.517	28
HINDI LANGUAGE SKILLS	45	43.667	43
Holistic Health-I	47	40.833	35
Imbalance Learning	42	34	29
Innovation From Creativity to Entrepreneurship-I	49	47.143	44
Introduction to Auto-CAD for Engineering Applications	43	37.179	30
IT Tools	45.5	38.779	21
Know your Country: History, Culture & Traditions	42	36.556	32
LT Spice Tutorial for Circuit Simulation	42	40.333	38
Material Characterization Techniques for Engineering Applications	47	39.273	0
Microsoft Office-Excel Skills	47	34.652	26
Modern techniques for business correspondence	43	30.889	20
National Cadet Corps** (NCC) - I	41	39.46	37
National Service Scheme (NSS) - I	47	39.98	35
Organic Farming	49	31.667	0
Photo Editing Software Adobe Photoshop	46	41	34
Practical Electronics for Inventors	42	42	42
Preliminary Journalism Skills	44	28.667	19
Proficiency in Microsoft Excel	46	42.85	39
Project Management	45	41.6	36

Row Labels/Courses	Maximum Marks	Average Marks	Minimum of Marks
Project Management	45	41.6	36
Public Speaking	48	42.447	37
Python for Image processing applications using Open CV	44	35.6	26
Robotics	50	43.217	30
Role of MATLAB in Computations	45	36.96	2
Science and Technology Around Us	42	32.143	26
SCULPTURE MAKING-1	42	35.6	29
Shutter Up-Flash Me Photography	45	39.765	38
Smart Home Technology	46	41.636	35
Software Development- I	49	38.8	25
Solar Energy Applications	44	33.5	27
Statistical data analysis through programming	46	42.647	39
Study of Historical Monuments of Gwalior	47	34.25	30
Understanding Financial Market	44	33.862	3
Understanding Logic Gates	45	42.875	41
Vehicular Skill Development	46	31.167	22
WORLD HERITAGE SITES: A BRIEF OVERVIEW	44.5	38.975	27
<b>Overall Maximum/Average/Minimum</b>	<b>50</b>	<b>38.033</b>	<b>0</b>

- The members reviewed the evaluation and the statistical analysis was found to be satisfactory.
- **It was proposed that a review of NEC conducted so far will be carried out by the Dean Student Welfare with a constituted team to find out the specific outcomes of these courses and to suggest measures for further improvement.**

**Item 9: To present the Student Counselling Cell report (November to December 2022)**

- The MITS Counselling Cell report of one-to-one counselling provided to session -wise for the period November to December 2022 is as follows:

Sl.no	Date	SESSIONS	No. of Students
1.	4 <sup>th</sup> November,2022 6 <sup>th</sup> November,2022	Group Session in Hostel No.6&7 1. Role of counselling 2. Adjustment issues Health and Hygiene	Hostel No.-6-91 Students Hostel no.7-59 students
2.	10 <sup>th</sup> November,2022	Group session in Hostel No.4 Stress and Exam	81 Students
3.	07 <sup>th</sup> November,2022 16 <sup>th</sup> November,2022	Interview Behavior	MBA- 24 students
4.	02 <sup>nd</sup> December, 2022	UGC SAKSHAM orientation Session(3pm -4pm)	Architecture Department 1 <sup>st</sup> year students
5.	Individual Counselling sessions(offline)	Individual sessions	Students-71 Staffs-1



**Item 10: To report on student support initiatives undertaken during the session: Meeting with newly entered Lateral Entry students**

- The Dean Academics has apprised the house about following activities conducted under student Counselling, grievance redressing & support system.
- The issues raised by students were solved by the faculty coordinators during the meetings and the report was submitted to the office of the Dean Academics by the following departments.

**Summary of Counselling Sessions with Lateral Entry Students**

(As communicated by class coordinators/HoDs after meeting with students)

S. No.	Name of Department	Date of Meeting	Number of students registered	Number of students present
1.	Electrical (Internet of Things)	03.11.2022	06	06
2.	Electronics Engineering/ET	02.11.2022	05	05
3.	Information Technology	12.11.2022	06	05
	Internet of Things (IT)	07.11.2022	04	04
	Artificial Intelligence and Robotics (AIR)	13.11.2022	04	04
	Artificial Intelligence and Data Science (AIDS)	21.11.2022	04	04
	Artificial Intelligence and Machine Learning (AIML)	08.11.2022	03	03
<b>TOTAL</b>			<b>52</b>	<b>51</b>

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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Ref. No. DA/MP/2022/ 1538 Date: 31/10/2022

**Subject: Regarding support to students admitted through Lateral Entry**

In connection to students admitted through Lateral Entry, the following steps must be taken at the department level.

- [1]. Please instruct the II-year class coordinators to conduct a meeting of the lateral entry students and brief them about all relevant & present academic issues.
- [2]. Learning material, notes and other additional support must be provided to these students to facilitate their learning and fulfilment of their career goals.
- [3]. All efforts at the department level must be made to help these students so that they can utilise their time effectively, efficiently and wisely without any loss to their career.
- [4]. Separate time table must be prepared and some additional special sessions can be conducted to clear their doubts.
- [5]. Assignments and quizzes must be shared with them on MOODLE or otherwise, as applicable.
- [6]. Please constitute a department level team for this purpose. This activity must be completed before 30th November 2022.
- [7]. The report of the same must be sent to the office of the undersigned before 15th December 2022.
- [8]. Guidelines for the Report
  - a. Names of students
  - b. Present/Absent in meeting
  - c. Number of additional classes conducted
  - d. Whether notes/learning material etc. shared (subject wise)? (Y/N)
  - e. Whether the student is able to solve assignments or needs help
  - f. Any other point the department likes to include
- [9]. Identify the courses of First Year which are absolutely necessary (are pre-requisites) for their further study. After the examination, before the beginning of the next semester, some extra classes must be conducted for these courses of first year.

*M. Pandit*  
31/10/2022  
(Dr. Manjaree Pandit)

The department-wise report and details are available at:

<https://drive.google.com/drive/folders/1PC8BuEn-hIWfkimeKUtVkSdJiLxI7eQm?usp=sharing>

**Item 11: To report on the Initiative taken to enhance faculty competencies in upcoming areas: In-house Faculty Training in Data Science {Reference: Item no. 3, previous IQAC meeting on 28<sup>th</sup> September 2022}**

- The Director informed about the initiative taken to provide in-house training to faculty in upcoming areas. For example, the department of IT faculty have set an example by training the faculty of other branches (particularly core branches) in Data Science.
- The efforts of the IT department were appreciated.

The full report is available at:

[https://drive.google.com/drive/u/2/folders/1L1vm8zwFxD-SS\\_Ksaa3peceLuLhDFVac](https://drive.google.com/drive/u/2/folders/1L1vm8zwFxD-SS_Ksaa3peceLuLhDFVac)

**Item 12: Report on computation of Administrative Efficiency Index (AEI) for July-November 2022 session**

- The institute has a practice of computing administrative efficiency index since January-June 2020 semester.
- During the previous meeting, external members suggested that we present the previous experiences and projections.
- The AEI indices of the departments for the three successive semesters Jan-June 2020, July to Dec 2020, Jan-June 2021, July to Dec 2021, Jan-June 2022 and July to Dec 2022 are compared.
- A total of **43 parameters (reports)** were used for the computation of AEI out of 10. The department wise scores are listed here.

Number of parameters for **January to June 2020** were: **30**

Number of parameters for **July to December 2020** were: **37**

Number of parameters for **January to June 2021** were: **60**

Number of parameters for **July to December 2021** were: **63**

Number of parameters for **January to June 2022** were: **71**

Number of parameters for **July to December 2022** were: **43**

Duration	Civil	Mech & Auto.	Elect / IOT	Elex & ET	CSE	IT/ IOT/ AIR	Chem	MAC	Humanities	Arch	MBA
Jan.to June 2020	6.16	5.71	6.94	7.13	8.87	.....	5.70	.....	5.14	4.06	....
July to Dec 2020	7.76	6.76	8.46	9.11	8.49	.....	7.72	.....	4.56	5.76	...
Jan.to June 2021	5.53	6.82	7.18	7.35	6.70	6.64	5.51	6.02	6.05	5.00	4.32
July to Dec 2021	6.16	7.54	8.51	8.48	7.51	8.56	7.53	8.25	6.67	6.72	7.58
Jan.to June 2022	6.27	6.68	7.52	<b>8.52</b>	<b>8.15</b>	7.01	5.21	6.23	5.60	5.82	5.64
<b>July to Dec 2022</b>	6.47	7.91	5.30	9.14	7.40	5.00	1.78	8.39	.....	7.89	.....

— As the First Year Session was not completed, AEI for Humanities and Management Department could not be computed.

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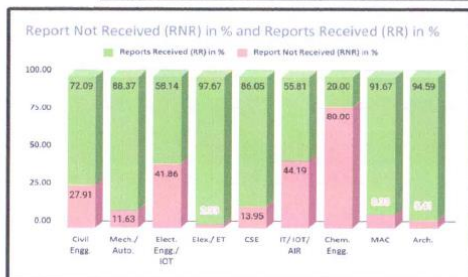
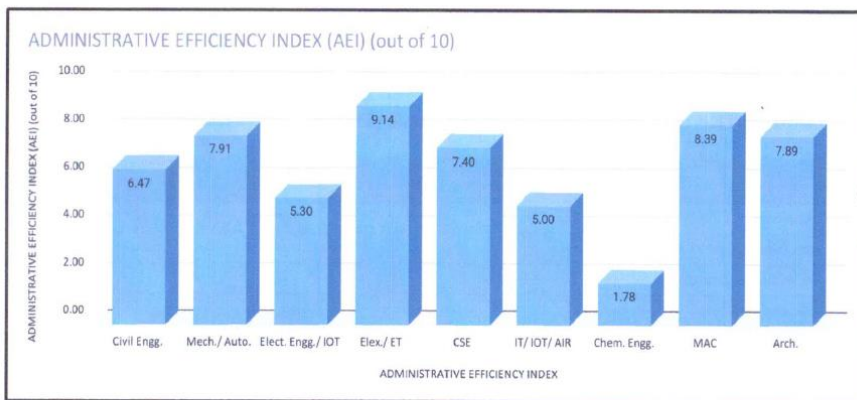
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**ADMINISTRATIVE EFFICIENCY INDEX (AEI) (Session - July to December 2022)**

ADMINISTRATIVE EFFICIENCY INDEX	Civil	Mech/ Auto.	Electrical / IOT	Elex/ ET	CSE	IT/ IOT/ AIR	Chemical.	MAC	Arch	Total
Timely Reports Not Received	12	5	18	1	6	19	32	3	2	98
Below Average (Report recd. within 11-15 days)	0	2	0	0	1	1	0	1	0	5
Average (Report recd. within 8-10 days)	1	1	0	1	2	0	0	1	2	8
Good (Report recd. within 5-7 days)	2	0	2	1	1	2	0	0	1	9
Very Good (Report recd. within 2-4 days)	5	5	4	5	8	2	3	4	13	49
Excellent (Report recd. same day)	23	30	19	35	25	19	5	27	19	202
Timely Reports Received	31	38	25	42	37	24	8	33	35	273
<b>ADMINISTRATIVE EFFICIENCY INDEX (AEI) (out of 10)</b>	<b>6.47</b>	<b>7.91</b>	<b>5.30</b>	<b>9.14</b>	<b>7.40</b>	<b>5.00</b>	<b>1.78</b>	<b>8.39</b>	<b>7.89</b>	<b>6.57</b>
Not Applicable (NA)	0	0	0	0	0	0	3	7	6	
Report Not Received (RNR) in %	27.91	11.63	41.86	2.33	13.95	44.19	80.00	8.33	5.41	26.42
Reports Received (RR) in %	72.09	88.37	58.14	97.67	86.05	55.81	20.00	91.67	94.59	73.58

Note : - Excellent same day = 10; Very Good if within 2-4 days = 7; Good if within 5-7 days = 5; Average if within 8-10 days = 3; Below Average if within 11-15 days = 1; Work Not Done /reported even after 15 days = 0

*M.K.O.*



*M.K.O.*

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**ADMINISTRATIVE EFFICIENCY INDEX (AEI)**

Session : July to December 2022

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
1	Conduction of a Semester Closing programme	25/07/2022	10	10	10	10	1	0	0	10	10
2	Time Table for II-Final year UG & PG Classes on the department web page	7/28/2022	10	10	10	10	10	10	7	7	7
3	Conduction of Courses in collaboration with industry Faculty	29/07/2022	0	0	10	5	0	7	0	NA	3
4	Uploading News Letter on the department web page (April to June)	30/07/2022	7	10	10	0	7	5	0	0	5
5	Weekly Classes Statement (Theory & Laboratories) Every Monday	8/8/2022	3	3	0	10	3	10	0	3	10

MK

Page 3 of 9

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
6	Report of Orientation Programme for II to IV Year (1. An Introduction to OBE by OBE Coordinators 2. Importance of Self-learning through SWAYAM 3. Career Opportunities/how to prepare for GATE 4. Importance of Feedback on (CO, PO, Faculty Feedback, Curriculum) in accreditation and quality improvement 5. Importance of attending special classes for remedial purposes 6. Institute MOODLE and the activities on MOODLE 7. Efforts made by institute for students' overall development like student chapters, clubs etc. 8. Importance of taking part in technical activities outside institute/submission of such documents to class coordinator 9. Introduction to schemes/Courses/ Evaluation Process (II Year students should be briefed about the Flexible Curriculum & various electives etc. by a suitable faculty member 10. Assigning projects to Final Year students based on Industrial/societal needs 11. Importance of internships 12. Any other information which the department feels is required to be clarified to the students to avoid complications and issues later (Regarding attendance, mid-term tests, tips for faring well in examinations etc.)	8/16/2022	10	10	10	10	10	10	10	10	3
7	Weekly Classes Statement (Theory & Laboratories)	8/16/2022	10	10	0	10	7	10	0	7	10
8	Weekly Classes Statement (Theory & Laboratories) Every Monday	8/22/2022	10	10	7	10	7	10	0	10	7
9	Student coordinator committee constitution (BoS, Class, OBE, Placement, Alumni, HoDs)	8/22/2022	5	1	10	10	10	10	0	1	10
10	Weekly Classes Statement (Theory & Laboratories) Every Monday	8/29/2022	10	10	10	10	10	10	0	10	10

MK

Page 4 of 9

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
11	Data to be shared with Dean Office in excel sheet( Allotment of Projects to the students: should be completed within 15 days of the commencement to regular classes) To be coordinated class coordinator and monitored by the HoD	8/30/2022	10	7	7	10	10	10	7	7	NA
12	Weekly Classes Statement (Theory & Laboratories) Every Monday	9/5/2022	10	10	10	10	7	0	0	10	7
13	Weekly Classes Statement (Theory & Laboratories) Every Monday	9/12/2022	7	10	10	10	7	10	0	10	7
14	One - day Workshop for question paper analysis, HoDs	9/12/2022	0	0	10	10	10	10	0	NA	10
15	Report of Six Monthly Review of Ph.d. Students by Research Advisory Committee in September 2022, (Signed Hard Copy)	9/19/2022	10	10	10	10	10	10	0	10	10
16	Weekly Classes Statement (Theory & Laboratories) Every Monday	9/19/2022	10	10	10	10	10	10	0	10	10
17	Responses of First Faculty Feedback (FF) (II-IV Year) (September 2022) Responses >60%- points 10, Responses>55%- points 7, Responses>50% Points-5, Responses>40% Points-3, Else points-1	--	5	7	10	3	10	10	10	10	7

Page 5 of 9

MK

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
18	Action Taken on First Faculty Feedback (II-IV Year) (July - December 2022 ) (One to one meeting with faculty) and file sent to the Director for signature through the Dean Academics Office within 10 days	9/23/2022	10	7	10	7	10	10	7	10	10
19	Weekly Classes Statement (Theory & Laboratories) Every Monday	9/26/2022	7	10	10	10	10	0	10	10	7
20	Report on slow and fast learners (Based on attendance, performance of quiz & mid-semester examination)	9/30/2022	0	10	5	10	3	1	0	10	7
21	Displaying all first mid-semester examination marks on Webpage in single excel format	9/30/2022	0	10	0	10	10	0	0	0	NA
22	Attainment of Course outcomes (Final Year Students)	9/30/2022	0	1	0	10	10	7	0	NA	NA
23	Weekly Classes Statement (Theory & Laboratories) Every Monday	10/03/2022	10	10	0	10	10	10	0	10	10
24	Uploading Newsletter on the department web page (July-September)(Quarterly)	10/15/2022	0	10	10	7	10	10	0	10	10
25	Attendance of (II to III) low attendance	10/15/2022	0	7	7	10	0	10	0	7	NA
26	Weekly Classes Statement (Theory & Laboratories) Every Monday	10/17/2022	10	10	0	10	10	0	0	10	10

Page 6 of 9

MK

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
27	Weekly Classes Statement (Theory & Laboratories)	10/25/2022	7	10	0	10	5	0	0	10	0
28	Weekly Classes Statement (Theory & Laboratories)	10/31/2022	10	10	0	10	10	0	0	10	7
29	Report of VIII Semester Internship/Project induction & briefing	10/31/2022	0	10	0	10	7	0	0	NA	NA
30	Weekly Classes Statement (III & IV Year) (Theory & Laboratories) Every Monday	11/7/2022	7	10	0	10	10	0	0	10	10
31	Displaying all second mid-semester examination marks on Webpage in single excel format	11/21/2022	0	10	0	10	0	0	0	0	0
32	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	11/14/2022	10	0	0	10	7	0	0	10	7
33	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	11/21/2022	10	0	0	10	7	0	0	10	10
34	Action Taken on Second Faculty Feedback (II-IV Year) (December 2022) (One to one meeting with faculty) and file sent to the Director for Signature through the Dean Academics Office within 10 days	11.22.2022	10	10	10	7	10	10	10	10	10
35	Report of Stakeholder Feedback on Course Content/Curriculum (About 2-4 weeks before BoS meeting in	11/28/2022	0	10	10	10	0	0	NA	NA	10

Page 7 of 9

MMO

S. No.	Routine Information/Data (Soft Copy of report or intimation to be send Dean Academics E-Mail according to dead line)	Dead Line Date	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
36	Report of Teacher Feedback on Course Content/Curriculum (Format in Annexure-IV) (About 2-4 weeks before BoS meeting in April) Class coordinator through MOODLE	11/28/2022	0	10	10	10	0	0	NA	NA	10
37	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	11/28/2022	10	10	0	10	10	0	0	10	7
38	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	12/05/2022	10	10	0	10	10	0	0	10	7
39	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	12/12/2022	10	10	0	7	10	0	0	10	7
40	support to students admitted through Lateral Entry (HoDs)	15.12.2022	0	0	5	10	0	5	NA	NA	NA
41	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	20/12/2022	10	10	0	10	10	0	0	10	7
42	Weekly Classes Statement (I to IV Year) (Theory & Laboratories) Every Monday	26/12/2022	10	7	0	10	10	0	0	10	10
43	Responses of Second Faculty Feedback (FF) (II-IV Year) November 2022 Responses >60% - points 10, Responses >55% - points 7, Responses >50% Points-5, Responses >40% Points-3, Else points-1	26/12/2022	10	10	7	7	10	10	10	10	10

Page 8 of 9

MMO

	Civil	Mechanical	Electrical	Electronic	CSE	IT	Chemical	MAC	Arch
<b>Total</b>	<b>278</b>	<b>340</b>	<b>228</b>	<b>393</b>	<b>318</b>	<b>215</b>	<b>71</b>	<b>302</b>	<b>292</b>

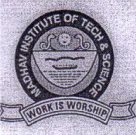
Note : - Excellent same day = 10; Very Good if within 2-4 days = 7; Good if within 5-7 days = 5; Average if within 8-10 days = 3; Below Average if within 11-15 days = 1; Work Not Done /reported even after 15 days = 0

*Manjaree Pandit*  
28/12/2022  
Dr. Manjaree Pandit  
(Dean Academic)

Submitted for approval.

*R.K. Pandit*  
28.12.22  
Dr. R.K. Pandit  
(Director)

**Item 13: To present the Examination Conduction report**



**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous Institute & NAAC Accredited Institute Affiliated to R.G.P.V., Bhopal MP)  
Gole Ka Mandir, Gwalior (MP)-474005, INDIA  
Ph: +91-751-2409 300, Fax: +91-751 2664684, e-mail:director@mitsgwalior.in, website: www.mitsgwalior.in

22 Dec 2022

EXAMINATION CONDUCTION REPORT

Nov- Dec 2022: PP Mode

With to order no. 1947 dt 01.11.2022 regarding End semester examination of July- December 2022 regarding examination conduction (Pen & Paper and Assignment Plus for oral examination), following is the report of the same:  
Exam duration 28 Nov to 15 Dec. 2022.

Following is the summary of data regarding and conduction of examination:

Particulars	Numbers
Total number of days	19
Total number of shifts	31
Total number of students registered	13707
Total number of students attempted	13618
Total numbers of Question Papers opened/returned	270 (return-17)
Total number of A+O mode	15
Total numbers of Invigilators appointed (duties)	112
PP Mode only Per faculty Invigilation duty;	Avg. 7 Max. 13
Total number of UFM cases filed	26

**Layout :** Buildings have random room numbers which misdirect the candidates, therefore, it is recommended that a sequential layouting can be done.

**Invigilation duty:** Faculty were busy in classes and valuation, therefore, it is recommended that invigilation work can be outsourced. These may be called 'professional invigilators' like in UK , pleasee the  
link:[<https://www.kcl.ac.uk/campuslife/acservices/examinations/invigilators/exams-invigilator-job-description-person-specification.pdf>].

Retired persons, unemployed post graduate, BEd, can be hired on a per day basis on collectorate rate. After That Invigilation formula can be like in each room; 1 MITS invigilator and 2 Professional Invigilators.

P-1/2 *Madhu*



## MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute & NAAC Accredited Institute Affiliated to R.G.P.V., Bhopal MP)  
Gole Ka Mandir, Gwalior (MP)-474005, INDIA  
Ph: +91-751-2409 300, Fax: +91-751 2664684, e-mail:director@mitsgwalior.in, website: www.mitsgwalior.in

**Seating Plan:** Full 8x9 capacity could not be used as software has the limitation, *therefore* it is recommended that a software can be developed for seating plans.

**UFM cases:** This is the same as the Jan-July 22 exam that, in few cases students are caught keeping mobile, so according to RGPV UFM rule another answer book to issue but in MCQ case another set of MCQ can be issued once previous got canceled. And exams cannot have a 'valuer report'. Thus strictly no mobile was allowed. *Therefore*, it is recommended that some rules can be formed for UFM in the MCQ exam. Also, from the ladies it was noted that; (i)As per observation since female students are fearless about flying team just because they know that fewer female professors will be in the team so more female members are required in the flying team. (ii) It was pointed out that while invigilation also a female invigilator must be in every room as here also the female students were taking advantage of creating arguments.

**Last minute enrolment:** Students were either not registered or getting last minute permissions so their seating plan is not prepared; *therefore* always vacancies are kept.

**Air Conditioners:** These may be required for summer exam 2023.

Both modes; PP and A+O were conducted well and smoothly however some difficulties encountered but well resolved in good manner by using the intelligence of an experienced Exam conduction team and Exam Cell.

✓ A copy for the report is submitted to the Dean academic as required for the IQAC meeting.

This report is being submitted with a Thanks note to senior superintendent Dr R K Pandit, Director for time-to-time guidance and support.

  
22.12.22

Dr C S Malvi  
Superintendent Exams , 2022



**Item. 14 : Conduction of induction programme for First Year students**

Date of Induction Programme	Total No. of student admitted in First year	Total No. of Student registered & participated
01.11.2022 to 05.11.2022	2159	1590

Link of shared drive:

<https://docs.google.com/document/d/1arqVn0b4EqnbcuL78qe8536BozqJmU0/edit?pli=1#>

**Item.15: Initiatives taken for monitoring student learning by identifying slow, medium and fast learners and Initiatives taken for addressing their special needs**

—For each course, in each engineering discipline, slow and fast learners were identified and suitable actions were taken for addressing their needs, as per the existing mechanism in the institute. Details are available in individual faculty course files.

**Identifying Slow/Medium/Fast learners**

(Period 01<sup>st</sup> August 2022 to 30<sup>th</sup> September 2022)

Total registered Students (II & III year)	Slow Learners %	Medium Learners %	Fast Learners %
13208	18%	44%	38%

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)							
Profiling of Students as Slow/Medium/Fast learners (01 <sup>st</sup> August to 30 September 2022) (July to December 2022 Session)							
Name of Class : III Semester							
Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
<b>Mechanical Engineering (III sem)</b>							
Mechanical Engineering (ME)-120311	89	16	17.9%	30	33.7%	43	48.3%
Mechanics of Materials (ME)- 120312	89	17	19.1%	28	31.4%	44	49.4%
Fluid Mechanics and Hydraulic Machines (ME)-120314	90	27	30%	45	50%	18	20%
Manufacturing Process (AU)-190311	18	2	11%	10	55.5%	6	33.3%
Mechanics of Materials (AU)- 190312	18	2	11.12%	10	55.55%	6	33.33%
Automotive Engines (AU)-190313	18	2	12%	11	61%	5	28%
Fluid Mechanics and Hydraulic Machines (AU)-190314	18	2	11%	11	61%	5	28%
	<b>340</b>	<b>68</b>		<b>145</b>		<b>127</b>	
<b>Electrical Engineering</b>							
Engineering Mathematics –II (190025)	136	22	(16.17%)	55	(40.44%)	59	(43.33%)
Electromagnetic Field Theory (130311)	136	20	(14.71 %)	50	(36.76 %)	66	(48.53 %)
Electrical & Electronics Measurement (130312)	136	15	(11.02%)	61	(44.85%)	60	(44.48 %)
Network Analysis (130313)	136	20	(14.71 %)	50	(36.76 %)	66	(48.53 %)
Analog & Digital Electronics (130318)	136	53	(40%)	54	(40%)	29	(21%)
Project Management & Financing (1000005)	136	05	(3.17%)	14	(10.3%)	117	(86.5%)
	<b>816</b>	<b>135</b>		<b>284</b>		<b>397</b>	
<b>Electrical Engineering (IOT)</b>							
Probability & Random Process (220106)	63	06	(9.52%)	45	(71.42%)	12	(19.04%)
Fundamentals of Signals and Control Systems (220301)	63	15	(23.81%)	23	(36.51%)	25	(39.68%)
Design & Analysis of Algorithms (220302)	63	12	(19.04%)	23	(36.50%)	28	(44.44%)
Operating System (220303)	63	05	(7.94 %)	27	(42.85%)	31	(49.2 %)
Analog Electronics (220304)	63	32	(50%)	18	(28%)	13	(21%)
	<b>315</b>	<b>70</b>		<b>136</b>		<b>109</b>	

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
<b>Electronics Engineering</b>							
Engineering Mathematics II (100025)	138	11	6%	37	28%	90	66%
Electronics Devices & Circuits (140311)	138	09	7%	33	30%	86	62%
Network Theory (140312)	138	18	5%	41	30%	89	65%
Digital Circuits & System (140313)	65	9	13.84 %	23	35.38 %	33	50.76 %
	73	4	5%	51	72%	18	23%
Analog communication (140314)	138	11	8%	35	25%	92	67%
	<b>690</b>	<b>62</b>		<b>220</b>		<b>408</b>	
<b>Electronics &amp; Telecommunication Engineering</b>							
Engineering Mathematics II (100025)	67	7	10.44%	35	52.22%	25	37.31%
Electronics Devices & Circuits (200311)	67	05	7.5%	28	41.79%	34	50.74%
Network Theory (200318)	67	06	8.9%	36	53.7%	25	37.31%
Digital Circuits & System (200319)	67	05	7.5%	32	47.76%	30	44.77%
Analog communication (200320)	67	06	8.9%	31	46.26%	30	44.77%
	<b>335</b>	<b>29</b>		<b>162</b>		<b>144</b>	
<b>Computer Science &amp; Engineering</b>							
Computer System Organization 150311	135	32	24%	81	60%	22	15%
Operating Systems 150312	135	32	24%	83	61%	20	15%
Computer Graphics 150313	135	30	22%	85	63%	20	15%
Design & Analysis of Algorithms 150314	135	28	21%	89	66%	18	13%
Mathematics-II 100025	135	32	24%	80	59%	23	17%
	<b>675</b>	<b>154</b>		<b>418</b>		<b>103</b>	
<b>Computer Science and Design</b>							
Discrete Structures (290301)	65	22	31%	26	40%	17	26%
Design and analysis of Algorithm (290302)	65	50	77%	08	12%	07	11%
Operating System (290303)	65	17	26%	29	45%	19	29%
Computer system Organization(290304)	65	38	58%	18	28%	9	14%
Computer Graphics and Animation(290305)	65	49	75%	12	18%	04	6%
Project Management and Financing(1000005)	65	48	74%	12	18%	05	8%
	<b>390</b>	<b>224</b>		<b>105</b>		<b>61</b>	
<b>Information Technology</b>							
Engineering mathematics II (100025)	70	08	11%	27	38.5%	35	50%

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Design & Analysis of Algorithms (270302)	66	17	25.76%	37	56.06%	12	18.18%
Operating System (270303)	66	12	18.4%	34	51.5%	20	30%
Computer Networks and protocol (270304)	66	8	12%	46	70%	12	18%
Database Management System (270305)	66	14	21.21%	39	59%	13	19.7%
Project management and Financing (1000005)	66	1	1.5%	11	16.66%	54	81.8%
	<b>396</b>	<b>66</b>	<b>17%</b>	<b>203</b>	<b>51%</b>	<b>127</b>	<b>32%</b>
<b>Chemical Engineering</b>							
Organic Process Technology (170311)	19	09	47.36%	08	42.10%	02	10.52%
Chemical Engg. Thermodynamics (170313)	19	10	52.63%	06	31.57%	03	15.78%
Fluid Particle Mechanics (170314)	19	09	47.36%	07	36.84%	03	15.78%
	<b>57</b>	<b>28</b>	<b>49%</b>	<b>21</b>	<b>37%</b>	<b>08</b>	<b>14%</b>
<b>Engineering Mathematics &amp; Computing</b>							
Simulation Modeling and Analysis (250301)	68	6	9%	30	44%	32	47%
Discrete Mathematical Structures (250302)	68	8	12%	22	32%	38	56%
Operating System Concepts (250303)	68	7	10%	32	47%	29	43%
Data Structures and Algorithms (250304)	68	12	18%	23	34%	33	48%
Numerical Techniques(250305)	68	12	18%	29	42%	27	40%
	<b>340</b>	<b>45</b>	<b>13%</b>	<b>136</b>	<b>40%</b>	<b>159</b>	<b>47^</b>
<b>Architecture</b>							
History of Architecture III	24	3	(12.5%)	12	(50%)	9	(37.5%)
Architectura IDesign III	24	4	(16.6)	13	(54.16)	7	(29.1)
Building Materials	24	3	(12.5%)	12	(50%)	9	(37.5%)
Graphics-III	24	3	(12.5%)	11	(45.8%)	10	(41.6%)
Structure- III	24	8	(33.3%)	12	(50%)	4	(16.6%)
Biology for Architects	24	3	(12.5%)	12	(50%)	9	(37.5%)
	<b>144</b>	<b>24</b>	<b>17%</b>	<b>72</b>	<b>50%</b>	<b>48</b>	<b>33%</b>
<b>Name of Class : V Semester</b>							
<b>Mechanical Engineering</b>							
Industrial Engineering (ME)-120511	132	30	22.8%	67	50.7%	35	26.5%
Thermal Engineering (ME)-120514-A	65	25	38.46%	23	35.38%	17	26.15%
Thermal Engineering (ME)-120514-B	67	27	40.29%	18	26.87%	22	32.84%
Machine Design (ME)-120515-A	66	18	27.27%	21	31.81%	27	40.9%
Machine Design (ME)-120515-B	70	15	21.42%	35	50%	20	28.57%

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Computer System Organization (160311)	70	09	12.86%	20	28.57%	41	58.57%
Design and Analysis of Algorithms (160312)	70	11	15.71%	23	32.85%	36	51.42%
Database Management System (160313)	70	09	12.86%	21	30%	40	57.14%
Operating System (160314)	70	04	5.8%	23	32.8%	43	61.4%
Project management & financing (1000005)	70	06	8.5%	11	16%	53	75.71%
	<b>420</b>	<b>47</b>	<b>11%</b>	<b>125</b>	<b>30%</b>	<b>248</b>	<b>59%</b>
<b>IT – Artificial Intelligence and Robotics</b>							
Design and analysis of Algorithms (240301)	65	2	3.08%	29	44.61%	34	52.30%
DBMS (240304)	65	09	13.85%	39	60%	17	26.15%
Probability and Random Process (250106)	65	0	0	24	36.92%	41	63.08%
Computer Networks and protocol (240303)	65	10	15%	42	64%	13	20%
Operating System (240302)	65	4	6.15%	28	43%	33	50.77%
Project management and Financing (1000005)	65	0	0	20	31%	45	69%
	<b>390</b>	<b>25</b>	<b>6%</b>	<b>182</b>	<b>47%</b>	<b>183</b>	<b>47%</b>
<b>IT – Internet of Things</b>							
Probability and random process (250106)	71	14	19.7%	26	36.6%	31	43.6%
DBMS (230304)	71	16	22.54%	26	36.6%	29	40.85%
Design and Analysis of Algorithm (230301)	71	15	21.12%	17	23.94%	39	54.93%
Computer Networks and protocol (230303)	71	14	20%	33	46%	24	35%
Operating System (230302)	71	12	16.9%	20	28.17%	39	54.93%
Project management and Financing (1000005)	71	3	4%	21	29%	47	67%
	<b>426</b>	<b>74</b>	<b>17%</b>	<b>143</b>	<b>34%</b>	<b>209</b>	<b>49%</b>
<b>Artificial Intelligence and Machine Learning</b>							
Discrete Structure (280301)	65	25.0	38.5%	32.0	49.2%	8.0	12.1%
Design & Analysis of Algorithms (280302)	65	18	27.7%	36	55.38%	11	16.92%
Operating System (280303)	65	12	18.4%	27	41.5%	26	40%
Computer Networks and protocol (280304)	65	9	14%	42	64.6%	14	22%
Database Management System (280305)	65	16	24.61%	38	58.47%	11	16.92%
Project management and Financing (1000005)	65	3	4.61%	7	10.76%	55	84.61%
	<b>390</b>	<b>83</b>	<b>21%</b>	<b>182</b>	<b>47%</b>	<b>125</b>	<b>32%</b>
<b>Artificial Intelligence (AI) and Data Science</b>							
Discrete Structure (270301)	66	14	21.20%	36	54.55%	16.00	24.24%

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Disaster Management (ME)-100008 (MAC)	133	27	20.3%	68	51.12%	38	28.57%
Industrial Engineering (AU)-190511	31	3	10%	18	60%	10	30%
Heat & Mass Transfer (AU)-190513	31	18	60%	9	30%	4	13%
Design of Machine Elements (AU)-	34	10	29.41%	11	32.35%	13	38.23%
Automotive Chasis (AU)-190515	31	6	19%	16	52%	9	29%
Data Science (AU)- 190519	31	4	12.9%	17	54.83%	10	32.22%
Disaster Management (AU)-100008 (MAC)	31	6	19.35%	15	48.38%	10	32.25%
	<b>722</b>	<b>189</b>	<b>26%</b>	<b>318</b>	<b>44%</b>	<b>215</b>	<b>30%</b>
<b>Electrical Engineering</b>							
Signals & Systems (130511)	141	27	(19.15%)	59	(41.84 %)	55	(39.1%)
Power System-II (130512)	141	56	(38.8%)	74	(50.2%)	11	(6%)
Electrical Machines-II (130513)	141	12	(8.51%)	49	(34.75%)	80	(57%)
Power Electronics (130514)	141	17	(12.7%)	68	(50.8 %)	49	(36.6%)
Data Science (130515)	141	07	(5%)	79	(55.6%)	55	(32.4%)
Project Management & Financing (1000005)	141	12	(8.51%)	52	(36.8%)	76	(54%)
Disaster Management (1000006)	141	15	(1%)	82	(55%)	52	(35%)
	<b>987</b>	<b>146</b>	<b>15%</b>	<b>463</b>	<b>47%</b>	<b>378</b>	<b>38%</b>
<b>Electrical Engineering (IOT)</b>							
IoT in Microgrid (220501)	70	09	(13%)	32	(46%)	29	(42%)
Cloud Computing (220502)	70	14	(20%)	23	(32.86%)	33	(47.14%)
Embedded Control of Electrical Machines (220503)	70	12	(17%)	37	(53%)	21	(30%)
IoT Architecture and Protocols (220504)	70	9	(12.85%)	36	(51.42%)	25	(35.71%)
Data Sciences in IoT (220505)	70	13	(18%)	38	(55%)	19	(27%)
Project Management & Financing (1000005)	70	9	(13%)	36	(51%)	25	(36%)
	<b>420</b>	<b>66</b>	<b>16%</b>	<b>202</b>	<b>48%</b>	<b>152</b>	<b>36%</b>
<b>Electronics Engineering</b>							
Microprocessor & Interfacing (140511)	138	11	6%	37	28%	90	66%
Linear Control Theory (14051)	138	12	8.6%	70	50.7%	56	40.5%
Digital Communication (140513)	138 (Sec A+B)	14	10%	80	57.9%	44	31.88%
Electromagnetic field (140514)	138	14	10%	84	60.9%	40	28.98%
Data Science	138	14	10%	90	65%	34	24%
	<b>690</b>	<b>65</b>	<b>9%</b>	<b>361</b>	<b>52%</b>	<b>264</b>	<b>38%</b>

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
<b>Electronics &amp; Telecommunication Engineering</b>							
Data Science (200511)	70	4	5%	56	80%	10	14%
Microprocessor & Interfacing (200512)	70	5	7%	50	72%	15	21%
Linear Control Theory (200513)	70	6	8%	45	64%	19	27%
Digital Communication (200514)	70	4	5%	51	73%	11	21%
Data Science (200511)	71	7	9%	44	63%	20	28%
	<b>351</b>	<b>26</b>	<b>7%</b>	<b>246</b>	<b>70%</b>	<b>79</b>	<b>22%</b>
<b>Computer Science and Engineering</b>							
Data Science 150511	67	18	27%	22	33%	27	40%
Network Security(150512)	67	7	10%	16	24%	44	60%
Information Security (150513)	67	20	30%	24	36%	23	34%
Compiler Design (150514)	67	18	27%	23	34%	26	39%
Artificial Intelligence (150515)	67	23	34%	15	22%	29	43%
Data science (150511)	75	21	28%	17	23%	37	49%
Network Security (150512)	75	14	19%	14	19%	47	63%
Information security (150513)	75	17	23%	8	11%	50	67%
Compiler design (150514)	75	25	33%	10	13%	40	53%
Artificial intelligence (150515)	75	18	24%	10	13%	47	63%
	<b>710</b>	<b>181</b>	<b>25%</b>	<b>159</b>	<b>22%</b>	<b>370</b>	<b>52%</b>
<b>Information Technology</b>							
Project Management & Financing 1000005	76	16	21.05%	45	59.21%	15	19.74%
Discrete Structure 160511	76	15	19.74%	11	14.47%	50	65.79%
Data Science using Python 160512	76	15	19.73%	10	13.16%	51	67.11%
Theory of Computation 160513	76	14	18%	29	39%	33	43%
Microprocessor & Interfacing 160514	76	14	18.42%	22	28.95%	40	52.63%
Soft Computing Techniques 160515	76	12	15.79%	42	55.26%	22	28.95%
	<b>456</b>	<b>86</b>	<b>19%</b>	<b>159</b>	<b>35%</b>	<b>211</b>	<b>46%</b>
<b>IT – Artificial Intelligence and Robotics</b>							
Discrete Structures (240501)	73	17	23.29%	30	41.10%	26	35.62%
Data Science using Python (240502)	73	12	16.44%	41	56.16%	20	27.40%
Theory of Computation (240503)	73	6	8.22%	35	47.95%	32	43.84%
Robotics System and Control(240504)	73	20	27.40%	29	39.73%	24	32.88%
Soft Computing Techniques (240505)	73	9	12.33%	36	49.32%	28	38.36%
Project Management & Financing (1000005)	73	5	6.85%	48	65.75%	20	27.40%

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Disaster Management (1000006)	73	8	10.96%	19	26.03%	46	63.01%
	<b>511</b>	<b>77</b>	<b>15%</b>	<b>238</b>	<b>46%</b>	<b>196</b>	<b>38%</b>
<b>IT – Internet of Things</b>							
Discrete Structure (230501)	70	9	12.8%	46	65.7%	15	21.5%
Data Science using Python 230502	70	11	15%	48	70%	11	15%
Theory of Computation 230503	70	17	24.29%	40	57.14%	13	18.57%
Embedded System & IoT 230504	70	11	15.7%	49	70%	10	14.2%
Soft Computing Techniques 230505	70	10	14.2%	47	67.1%	13	18.5%
1000005 Project Management & Financing	70	9	12.8%	47	67.1%	14	20%
1000006 Disaster Management	70	8	11.4%	48	68.5%	14	20%
	<b>490</b>	<b>75</b>	<b>15%</b>	<b>325</b>	<b>66%</b>	<b>90</b>	<b>18%</b>
<b>Chemical Engineering</b>							
Mass Transfer –II (170512)	40	17	42.5%	14	35%	09	22.5%
Chemical Reaction Engineering –I (170513)	40	16	40%	15	37.5%	09	22.5%
Inorganic Process Technology (170515)	40	16	40%	16	40%	08	20%
Computational Methods in Chemical Engg. (170514)	40	15	37.5%	16	40%	09	22.5%
	<b>160</b>	<b>64</b>	<b>40%</b>	<b>61</b>	<b>38%</b>	<b>35</b>	<b>22%</b>
<b>Engineering Mathematics &amp; Computing</b>							
Computer Networks (250301)	65	7	10%	16	25%	42	65%
Real and Complex Analysis (250302)	65	8	12%	20	31%	37	57%
Software Engineering (250303)	65	7	10%	20	31%	38	58%
Data Science using Python (250304)	65	12	18%	21	32%	32	49%
Optimization Techniques (250305)	65	12	18%	25	38%	28	43%
	<b>325</b>	<b>46</b>	<b>14%</b>	<b>102</b>	<b>31%</b>	<b>177</b>	<b>54%</b>
<b>Architecture</b>							
Architectural Design V	37	4	10%	13	35%	20	54%
Building Construction -IV Materials	37	3	8%	15	41%	19	51%
Buil. Services -II	37	4	10%	14	38%	19	51%
Building Science & Energy Conservation	37	3	8%	12	32%	22	86%
Disaster Management-38	37	3	8%	16	43%	18	51%
Elective-II-35	37	4	10%	12	32%	21	56%
	<b>222</b>	<b>21</b>	<b>9%</b>	<b>82</b>	<b>37%</b>	<b>119</b>	<b>54%</b>

Name of Course	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
<b>Class VII Semester</b>							
<b>Mechanical Engineering</b>							
Refrigeration & Air-Conditioning (ME)- 120711	24	14	58.33%	7	29.16%	3	12.5%
Metrology: Measurement & Control (ME)- 120713	74	10	13%	13	17.56%	51	68.91%
TQM (ME)- 120714	50	10	20%	25	50%	15	30%
Vehicles Dynamics (AU)- 190711	27	8	30%	7	26%	12	44%
Hybrid Electric Vehicles (AU)- 190713	37	7	18.91%	20	54.05%	10	27.07%
Maintenance Engineering- 900215	54	13	24%	16	29.6%	25	46%
	<b>266</b>	<b>62</b>	<b>23%</b>	<b>88</b>	<b>33%</b>	<b>116</b>	<b>44%</b>
<b>Electronics Engineering and Electronics &amp; Telecommunication Engineering</b>							
Satellite and RADAR Systems (140711)	119	15	12.6%	70	58.82%	34	28.57%
VLSI Design (140712)	48	8	16.66%	36	75%	4	8.33%
Microwave Engineering (140713)	40	7	17.5%	26	65%	7	17.5%
IPR (100008)	214	21	9.81%	159	74.29%	34	15.8%
	<b>421</b>	<b>51</b>	<b>12%</b>	<b>291</b>	<b>69%</b>	<b>79</b>	<b>19%</b>
<b>Computer Science and Engineering</b>							
Networking with TCP/IP(150711)	76	18	24%	32	42%	26	34%
Data mining & Warehousing (150712)	76	25	33%	44	58%	7	9%
Intellectual Property Rights(100008)	143	43	30%	87	61%	13	9%
	<b>295</b>	<b>86</b>	<b>29%</b>	<b>163</b>	<b>55%</b>	<b>46</b>	<b>16%</b>
<b>Chemical Engineering</b>							
DE-III Industrial Pollution Prevention & Control (170713)	38	12	20.68%	16	27.58%	10	17.24%
DE-III Petrochemical Technology (170714)	20	8	13.79%	6	10.34%	6	10.34%
	<b>58</b>	<b>20</b>	<b>34%</b>	<b>22</b>	<b>38%</b>	<b>16</b>	<b>28%</b>
	<b>13208</b>	<b>2395</b>	<b>18%</b>	<b>5814</b>	<b>44%</b>	<b>4999</b>	<b>38%</b>

Compiled by: Vinod Kumar Sharma  
Dean Academics Office

*M. Manjaree Pandit*  
18/10/2022.  
(Dr. Manjaree Pandit)  
Dean (Academics)

*R.K. Pandit*  
(Dr. R.K. Pandit)  
Director


**Action Taken**

- Mails have been sent to department to conduct additional classes (where percentage of slow learners is greater than 10% the data is highlighted)



**Item.16: Feedback on T-L-E collected through IMS in September 2022 and November 2022) from the II to Final year students (Teaching Session ended on 11<sup>th</sup> November 2022)**

S.No.	Department Name	Total Courses conducted	No. of courses for which FFI >4 and responses >50 %	No. of faculty to be issued appreciation letters
1	Civil Engineering	25	59 (27%)	12 (5.5%)
2	Mechanical Engineering	30		
3	Electrical Engineering	24		
4	Electronics Engineering	35		
5	Compute Science and Engineering	27		
6	Information Technology	49		
7	Chemical Engineering	13		
8	Engineering Mathematics & Computing	15		
9	Architecture	09		
	<b>Total</b>	<b>218</b>		


**Madhav Institute of Technology & Science**  
 Race Course Road, Gola ka Mandir, Gwalior, M.P.-474005  
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**Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 17/09/2022 & Feedback II Dated : 12/11/2022)**

Programme Name : B.Tech

Department	S.NO	Faculty Name	Subject code	Attendance regular theory class	Subject Name	Sem	Response-I(%)	FFI-I	Response-II(%)	FFI-II	Avg FFI	Comments
Chemical Engineering	1	RAKESH KUMAR DUBEY	170314	60.31%	Fluid Particle Mechanics	3	83.33	4.29	88.89	4.22	4.26	Appreciation
	2	SHOURABH SINGH RAGHUWANSHI	170312	61	Organic Process Technology	3	83.33	4.44	88.89	4.28	4.36	Appreciation
	3	SHOURABH SINGH RAGHUWANSHI	170515	37	Inorganic Process Technology	5	92.11	4.37	86.84	4.16	4.27	Appreciation
	4	SHIVANGI SHARMA	170512	38.33	Mass Transfer - II	5	89.47	4.09	84.21	4.46	4.28	Appreciation
	5	ANISH P. JACOB	170513	-	Chemical Reaction Engineering - I	5	92.11	4.06	78.95	4.18	4.12	Appreciation
	6	ANISH P. JACOB	170514	27.13	Computational Methods in Chemical Engg.	5	92.11	4.12	84.21	4.04	4.08	Appreciation
Civil Engineering	7	JAYVANT CHOUDHARY	1000005	42	Project Management and Financing	3	50.00	4.23	73.02	4.38	4.31	Appreciation
	8	CHAYAN GUPTA	110312	44	Fluid Mechanics - I	3	53.70	4.22	77.78	4.00	4.11	Appreciation
	9	ABHILASH SHUKLA	110520	35	Data Science	5	53.85	4.01	63.77	4.05	4.03	Appreciation
	10	SANJAY TIWARI	110512	41.43	Theory of Structure - II	5	63.89	4.10	72.97	4.23	4.17	Appreciation
Computer Science and Engineering	11	RAJNI RANJAN SINGH MAKWANA	150312	62	Operating Systems	3	84.96	4.35	86.67	4.47	4.41	Appreciation
	12	RAJNI RANJAN SINGH MAKWANA	290303	59.48	Operating Systems	3	83.87	4.12	77.42	4.28	4.20	Appreciation
	13	HEMLATA ARYA	290305	65	Computer Graphics and Animation	3	88.71	4.46	77.42	4.13	4.30	Appreciation
	14	HEMLATA ARYA	1000005	49	Project Management and Financing	3	88.21	4.34	71.57	4.45	4.40	Appreciation
	15	HEMLATA ARYA	1000005	-	Project Management and Financing	3	88.21	4.34	66.43	4.29	4.32	Appreciation

M. Madic  
 16/12/2022  
 Dean Academic  
 Date

G. P.  
 26/12/22  
 DIRECTOR



Madhav Institute of Technology & Science

Race Course Road, Gola ka Mandir, Gwalior, M.P.-474005

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Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 17/09/2022 & Feedback II Dated : 12/11/2022)

	16	RANJEET KUMAR SINGH	150314	59.54	Design and Analysis of Algorithms	3	88.72	4.52	88.89	4.39	4.46	Appreciation
	17	RANJEET KUMAR SINGH	290302	53.42	Design and Analysis of Algorithms	3	88.71	4.33	79.03	4.17	4.25	Appreciation
	18	HEMLATA ARYA	1000005	42.49	Project Management and Financing	5	80.00	4.48	71.57	4.45	4.47	Appreciation
	19	HEMLATA ARYA	1000005		Project Management and Financing	5	80.00	4.48	66.43	4.29	4.39	Appreciation
	20	KRATIKA SHARMA	150513	29.42	Information Security	5	69.33	4.11	62.86	4.26	4.19	Appreciation
Electrical Engineering	21	VISHAL CHAUDHARY	130313	65.29	Network Analysis	3	83.97	4.54	53.79	4.56	4.55	Appreciation
	22	VIJAY BHURIA	1000005	29.35	Project Management and Financing	3	70.23	4.40	53.79	4.39	4.40	Appreciation
	23	KULDEEP KUMAR SWARNKAR	1000005	40.03	Project Management and Financing	3	67.21	4.09	67.19	4.10	4.10	Appreciation
	24	KULDEEP KUMAR SWARNKAR	130311	56	Electromagnetic Field Theory	3	70.23	4.50	53.03	4.41	4.46	Appreciation
	25	ANKIT TIWARI	130312	47.43	Electrical and Electronic Measurement	3	70.99	4.58	53.79	4.51	4.55	Appreciation
	26	ANKIT TIWARI	130514	41.72	Power Electronics	5	63.50	4.22	56.20	4.35	4.29	Appreciation
	27	NIKHIL PALIWAL	130515	34.49	Data Science	5	64.96	4.07	56.93	4.23	4.15	Appreciation
	28	PRAVEEN BANSAL	130513		Electrical Machines - II	5	64.96	4.44	56.20	4.59	4.52	Appreciation
	29	VIJAY BHURIA	1000005	33	Project Management and Financing	5	64.96	4.08	53.79	4.39	4.24	Appreciation
	30	SAURABH KUMAR RAJPUT	220503	46.42	Embedded Control of Electrical Machines	5	73.53	4.38	57.35	4.31	4.35	Appreciation
Electronics Engineering	31	HEMANT CHOUBEY	200311	48	Electronics Circuit Design	3	70.15	4.00	53.73	4.09	4.05	Appreciation
	32	MADHAV SINGH	DE-3 - 140711	21.15	Satellite and Radar Communication	7	100.00	4.57	64.56	4.52	4.55	Appreciation
Information Technology	33	PUNIT KUMAR JOHARI	280305	35.38	Database Management System	3	74.60	4.13	92.19	4.05	4.09	Appreciation
	34	SANJIV SHARMA	270303	51	Operating System	3	95.45	4.01	98.48	4.09	4.05	Appreciation
	35	SANJIV SHARMA	280303	87.51	Operating System	3	74.60	4.00	92.19	4.20	4.10	Appreciation

*M. Pandey*  
Dean Academic  
Date 16/12/22

*S. Gupta*  
DIRECTOR  
26/12/22

Madhav Institute of Technology & Science  
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**Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 17/09/2022 & Feedback II Dated : 12/11/2022)**

	36	SAUMIL MAHESHWARI	240304	45.03	Database Management System	3	63.08	4.32	69.23	4.31	4.32	Appreciation
	37	ABHISHEK DIXIT	270302	56	Design and Analysis of Algorithms	3	95.45	4.44	98.48	4.35	4.40	Appreciation
	38	ABHISHEK DIXIT	280302	59	Design and Analysis of Algorithms	3	73.02	4.54	93.75	4.39	4.47	Appreciation
	39	BULBUL AGRAWAL	160312	47.17	Design and Analysis of Algorithms	3	80.60	4.09	80.60	4.14	4.12	Appreciation
	40	DHANANJAY BISEN	230502	28	Data Sciences in IoT	5	81.16	4.23	78.57	4.03	4.13	Appreciation
	41	ABHISHEK DIXIT	230503	44	Theory of Computation	5	81.16	4.60	77.14	4.37	4.49	Appreciation
	42	ABHILASH SONKAR	240503	47.3	Theory of Computation	5	60.27	4.28	73.97	4.23	4.26	Appreciation
	43	PUNIT KUMAR JOHARI	240505	37	Soft Computing Techniques	5	60.27	4.10	75.34	4.17	4.14	Appreciation
MATHEMATICS AND COMPUTING	44	DEEPAK KUMAR JAIN	250309	62	Discrete Mathematical Structures	3	79.66	4.21	79.41	4.38	4.30	Appreciation
	45	ANGAD SINGH OJHA	100025	55	Engineering Mathematics - II	3	50.53	4.36	61.17	4.43	4.40	Appreciation
	46	PRABHAKAR SHARMA	250310	-	Data Structures and Algorithms	3	75.86	4.36	79.31	4.27	4.32	Appreciation
	47	DILIP KUMAR MISHRA	250106	54.43	Probability and Random Process	3	67.21	4.04	67.19	4.21	4.13	Appreciation
	48	MINAKSHI	250106	63.4	Probability and Random Process	3	64.62	4.24	69.23	4.16	4.20	Appreciation
	49	ATUL KUMAR RAY	100025	53	Engineering Mathematics - II	3	72.52	4.43	55.30	4.45	4.44	Appreciation
	50	ATUL KUMAR RAY	250301	60	Simulation Modeling and Analysis	3	71.64	4.31	79.41	4.40	4.36	Appreciation
Mechanical Engineering	51	DINESH KUMAR RATHORE	120319	58.53	Mechanics of Materials	3	83.72	4.55	73.26	4.58	4.57	Appreciation
	52	DINESH KUMAR RATHORE	190317	49.33	Mechanics of Materials	3	64.71	4.28	52.94	4.53	4.41	Appreciation
	53	AMIT AHERWAR	190319	38.1	Manufacturing Process	3	64.71	2.52	52.94	2.87	2.70	Improvement
	54	VEDANSH CHATURVEDI	1000005	37	Project Management and Financing	3	81.55	4.07	69.90	4.05	4.06	Appreciation

M. Pandey  
Dean Academic  
Date 16/12/2022

G. P.  
DIRECTOR 26-12-22

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**Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 17/09/2022 & Feedback II Dated : 12/11/2022)**


	55	VEDANSH CHATURVEDI	1000005	-	Project Management and Financing	3	81.55	4.07	82.39	4.20	4.14	Appreciation
	56	JYOTI VIMAL	190313	47	Automotive Engines	3	64.71	4.82	52.94	4.85	4.84	Appreciation
	57	SHARAD AGRAWAL	120515	29.11	Machine Design	5	70.00	4.08	85.71	4.20	4.14	Appreciation
	58	UTKARSH SRIVASTAVA	190511	51.08	Industrial Engineering	5	83.33	4.04	90.00	4.25	4.15	Appreciation
	59	HARBHAJAN AHIRWAR	120515	30.25	Machine Design	5	70.69	4.34	75.00	4.19	4.27	Appreciation

Out of the 218<sup>credit</sup> courses offered to students of II year to IV year in July-Nov 2022 for 59 courses, faculty has received appreciation due to FFB > 4 and response > 50% in both feedbacks.

Based on attendance fulfilment criterion, the highlighted <sup>(Twelve)</sup> 12 faculty members may be issued recommendation letters. The MAC are not recommended as a separate mechanism is needed. Recommended and submitted for approval.

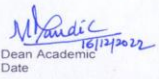
M. Pandey  
Dean Academic  
Date 16/12/2022

G. P.  
DIRECTOR 26-12-22

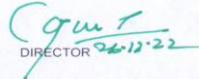

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**Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 17/09/2022 & Feedback II Dated : 12/11/2022)**

Programme Name : B.Arch												
Department	S.NO	Faculty Name	Subject code	Attendance regular theory class	Subject Name	Sem	Response-I(%)	FFI-I	Response-II(%)	FFI-II	Avg FFI	Comments
Architecture & Planning	1	VERSHA SINHA	210516	35%	Building Services II (Electrical and Mechanical)	5	57.14	4.55	94.59	4.41	4.48	Appreciation
	2	PRANSHI JAIN	210517	54.47%	Building Sciences and Energy Conservation	5	60.00	4.33	97.30	4.16	4.25	Appreciation
	3	RICHA MISHRA	DE 2 - 210521	31.53%	Architectural Photography and Journalism	5	65.71	4.09	97.30	4.25	4.17	Appreciation



Dean Academic  
Date: 16/12/2022



DIRECTOR  
26-12-22

**Item. 17 To report the status of UG/PG admissions 2022-2023**

Course	Intake	Admitted
B.Tech	1638	1319
B.Arch	40	22
Lateral Entry	126	77
ME M.Tech	181	9
Master of Urban Planning (MUP)	18	8
Master of computer Application (MCA)	78	78
Master of Business Administration (MBA)	78	45
<b>Total</b>	<b>2159</b>	<b>1558</b>

**Bachelor of Technology Admitted Session-2022-23**

S.No.	Intake	Branch	No. of Students																Total		
			UR		SC		ST		OBC		AIUR		TFW		EWS		PMSS			NEUT	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
1	156	Civil Engineering	39	12	17	2	6	-	20	2	3	-	3	3	6	-	-	-	-	-	113



Bachelor of Technology /Diploma/Lateral Entry Admitted Session- 2022-23																					
S.No.	Intake	Branch	No. of Students																Total		
			UR		SC		ST		OBC		AIUR		TFW		EWS		PMS			NEUT	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F		M	F
1	6	Artificial Intelligence and Robotics (ITAIAR)	3	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5
2	6	Automobile Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	6	Chemical Engineering	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
4	12	Civil Engineering	4	2	2	-	1	-	2	1	-	-	-	-	-	-	-	-	-	-	12
5	12	Computer Science & Engineering	4	2	2	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	12
6	12	Electrical Engineering	3	-	-	-	1	-	1	1	-	-	-	-	-	-	-	-	-	-	6
7	6	Internet of Things (EEIOT)	3	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	5
8	12	Electronics Engineering	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	6	Electronics & Telecommunication Engineering	-	2	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5
10	6	Information Technology	2	-	1	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	6
11	6	Internet of Things (ITIOT)	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	4
12	6	Mathematics and Computin (MAC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	12	Mechanical Engineering	4	-	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	9
14	6	Artificial Intelligence (AI) and Data Science (AIAIDS)	1	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	4
15	6	Artificial Intelligence and Machine Learning (AIML)	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
16	6	Computer Science and Design (CSD)	-	2	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	5
	126	TOTAL	26	13	11	2	2	1	15	7	-	-	-	-	-	-	-	-	-	-	77

<b>Master of Engineering /Technology Admittade Session-2022-23</b>																		
S.no	Departme nt	No. of seats	Programme	UR		SC		ST		OB C		AIU R		EW S		TF W		Total
				M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	Civil	31	M.E. Construction Technology & Management	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2
2	EL	31	M.E. Communicatio n Control & Networking	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
3	EE	31	M.E. Industrial System and Drives	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	IT	22	M.Tech. Information Technology	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Civil	22	M. Tech. Environment Engineering	-	-	1	-	-	-	-	1	-	-	-	-	-	-	2
6	CSE	22	M. Tech. Computer Science & Engineering	2	1	-	-	-	-	-	-	-	-	-	-	-	-	3
7	Mechanica l	22	M. Tech. Production Engineering	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
		<b>181</b>	<b>Total</b>	4	1	1	1	-	-	-	1	-	1	-	-	-	-	<b>9</b>
<b>Masters of Urban Planning Admitted Session-2022-23</b>																		
S.no	Departme nt	No. of seats	Programme	UR		SC		ST		OB C		AIU R		EW S		TF W		Total
				M	F	M	F	M	F	M	F	M	F	M	F			
1	Architectur e	<b>18</b>	Masters of Urban Planning	5	2	-	-	-	-	-	-	-	1	-	-	-	-	<b>8</b>
<b>Master of Computer Application Admitted Session-2022-23</b>																		
S.no	Departme nt	No. of seats	Programme	UR		SC		ST		OB C		AIU R		EW S		TF W		Total
				M	F	M	F	M	F	M	F	M	F	M	F			
1	MCA	<b>78</b>	MCA	17	15	3	2	-	-	23	6	2	-	4	3	2	1	<b>78</b>
			<b>Total</b>	17	15	3	2			23	6	2		4	3	2	1	<b>78</b>
<b>Master of Business Administration Admitted Session-2022-23</b>																		
S.no	Departme nt	No. of seats	Programme	UR		SC		ST		OB C		AIU R		EW S		TF W		Total
				M	F	M	F	M	F	M	F	M	F	M	F			

S.no	Department	No. of seats	Programme	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
1	MBA	78	MBA	15	20	-	-	-	-	2	-	3	-	-	2	1	2	45
			<b>Total</b>	15	20					2		3			2	1	2	<b>45</b>

### Item. 18: To present start-up cell data

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR -(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

#### Startup Cell Report

S.No	Event	Date	Stakeholders	Outcome	Report/Attachment
1.	Meeting for the collaboration of IITK and MITS for innovations and entrepreneurship	24 <sup>th</sup> February 2022	Honourable Director Sir, Members of SIIC IIT Kanpur, Dr. Sanjeev Tripathi, Director, TeknoBit Solutions, Mr. Sarvesh Sharma, Director at JKG Bioscience, MITS I/C Innovation and MITS I/C Startup Cell	Initial Phase of MOU with SIIC IIT Kanpur	<a href="https://drive.google.com/file/d/12QKrW3QDRDDbhS6lofJhDwl7vrl5Up5e/view?usp=sharing">https://drive.google.com/file/d/12QKrW3QDRDDbhS6lofJhDwl7vrl5Up5e/view?usp=sharing</a>
2.	Meeting of all the HODs and professors regarding promotion and support for innovation. entrepreneur. Incubation and startup activities	11 <sup>th</sup> March 2022	Honourable Director Sir, HODs and professors, MITS I/C Startup Cell	Promotion of Entrepreneurship, Innovation, entrepreneurial ecosystem	<a href="https://drive.google.com/file/d/1sNUJduVwTMFVau6UBJyeaua1FmKXb0vj/view?usp=sharing">https://drive.google.com/file/d/1sNUJduVwTMFVau6UBJyeaua1FmKXb0vj/view?usp=sharing</a>
3.	Exclusive session on innovation, start up and CSR funding	18 <sup>th</sup> April 2022	MITS Regular faculty members, Deans and Professors	Promotion of CSR Activities	<a href="https://drive.google.com/file/d/1aPzswk1eIWl_3JGRNvlnXDu6d4l0FHAK/view?usp=sharing">https://drive.google.com/file/d/1aPzswk1eIWl_3JGRNvlnXDu6d4l0FHAK/view?usp=sharing</a>
4.	Virtual inauguration of M.P. Start up Policy implementation 2022 by Hon'ble Prime Minister Shri Narendra Modi'	13 <sup>th</sup> May 2022	MITS Regular faculty members, Deans and Professors, Students	Virtual inauguration of M.P. Start up Policy implementation	<a href="https://drive.google.com/drive/folders/1d-HqeDbZdwNSagiTkkBFhKL_VcXVP311?usp=sharing">https://drive.google.com/drive/folders/1d-HqeDbZdwNSagiTkkBFhKL_VcXVP311?usp=sharing</a>
5	First draft Institute Startup Policy	8 <sup>th</sup> June 2022	Faculty members, Students, Alumni, R&D partners (sponsors of R&D and consultancy projects), MITS, Gwalior partner universities (having R&D collaborations in place), and Government agencies associated with MITS, Gwalior research and innovations, Permanent staff of MITS, Gwalior, Technology / IP from MITS, Gwalior and Applicants supported under any program managed by MITS, Gwalior.	to foster a spirit of idea generation, innovation and entrepreneurship among the students and faculty	<a href="https://drive.google.com/file/d/19WLmduUdChXEAGeqKTemwAwacGXztrT/view?usp=sharing">https://drive.google.com/file/d/19WLmduUdChXEAGeqKTemwAwacGXztrT/view?usp=sharing</a>
8	Visit IIT, Kanpur	27 <sup>th</sup> July 2022	MITS delegation, led by MITS Gwalior Director, Honourable Professor R K Pandit	Second Phase SIIC IIT Kanpur MOU	<a href="https://drive.google.com/drive/folders/1sm-">https://drive.google.com/drive/folders/1sm-</a>

The details are available at

<https://drive.google.com/file/d/1IcAkWdMjFfkM-PMKR2QHI7V4ttkbCYpy/view?usp=sharing>



**Item. 19 To report the achievement of the NPTEL LOCAL CHAPTER, MITS, GWALIOR which has secured 25<sup>th</sup> Rank at all India level in July-November 2022**

**MITS-NPTEL LOCAL CHAPTER SECURED 25<sup>th</sup> RANK IN JULY-DECEMBER 2022 SESSION AMONG THE 100 ACTIVE LOCAL CHAPTERS OF NPTEL.**

**“CONGRATULATIONS TO ALL THE FACULTY, SWAYAM COORDINATORS AND STUDENTS OF MITS”**

TOP 100 SWAYAM-NPTEL LOCAL CHAPTERS (Jul 2022) By default, Top 100 Local Chapters will be considered as ACTIVE Local Chapters											
<p><b>Criteria for Ratings:</b>  <b>Rating Points, R =</b>            {0.1*Number of Learners Present} (value capped to 10)            + {1* Successfully Completed} (value capped to 100)            + {2*Elite}+{5*Silver}+{8*Gold}+{10*Toppers}</p> <p><b>Based on the rating points calculated using the above formula:</b>            The top 10 Local Chapters (with maximum rating points) will be awarded 'AAA' rating            The next 40 Local Chapters (with maximum rating points) will be awarded 'AA' rating            The next 50 Local Chapters (with maximum rating points) will be awarded 'A' rating</p>											
LC id	College Name	City	State	Present	Elite	Silver	Gold	Successfully completed	Topper	Rating	
1	4103	Netaji Subhas University of Technology	Delhi	New Delhi	4397	1015	988	2038	278	1256	AAA
2	975	VIT University	Vellore	Tamil Nadu	4311	1720	1531	226	561	646	AAA
3	3391	Chandigarh University	Mohali	Punjab	8549	3392	755	20	2563	344	AAA
4	2520	Banaras Hindu University	Varanasi	Uttar Pradesh	1631	361	674	338	138	308	AAA

5	2355	GLA University	Mathura	Uttar Pradesh	6298	2236	433	6	2162	89	AAA
6	189	Madanapalle Institute of Technology & Science	Madanapalle	Andhra Pradesh	3270	1349	667	19	766	98	AAA
7	1444	J. C. Bose University of Science and Technology, Ymca	Faridabad	Haryana	1728	574	410	361	257	106	AAA
8	4036	Indira Gandhi Delhi Technical University for Women	Delhi	Delhi	913	194	435	173	68	263	AAA
9	822	R. V. R. & J. C. College of Engineering	Guntur	Andhra Pradesh	2928	843	603	82	479	91	AAA
10	326	Madan Mohan Malaviya University of Technology	Gorakhpur	Uttar Pradesh	1172	466	411	48	153	162	AAA
11	1419	Gokaraju Rangaraju Institute of Engineering and Technology	Hyderabad	Telangana	1585	626	466	17	212	120	AA
12	1779	National Institute of Technology	Tadepalligudem	Andhra Pradesh	936	284	332	60	137	198	AA
13	3187	Christ (Deemed To Be University)	Bengaluru	Karnataka	1723	679	383	20	366	106	AA
14	2424	National Institute of Technology	Patna	Bihar	851	219	357	90	85	149	AA
15	781	Kongu Engineering College	Erode	Tamil Nadu	2324	942	235	57	589	64	AA
16	809	The National Institute of Engineering	Mysore	Karnataka	1033	338	371	50	178	120	AA
17	274	Sona College of Technology	Salem	Tamil Nadu	1514	608	357	23	279	84	AA
18	111	Sri Sivasubramaniya Nadar College of Engineering	Chennai	Tamil Nadu	833	272	332	45	114	143	AA
19	3297	Sri Venkateswara University College of Engineering	Tirupathi	Andhra Pradesh	1296	594	323	28	217	81	AA
20	743	PSG College of Arts & Science	Coimbatore	Tamil Nadu	2330	803	257	45	679	49	AA

21	1235	Nitte Meenakshi Institute of Technology	Bengaluru	Karnataka	1242	301	377	45	195	67	AA
22	1237	Kristu Jayanti College	Bengaluru	Karnataka	3016	729	248	8	688	57	AA
23	1366	Vignan's Foundation for Science, Technology and Research	Guntur	Andhra Pradesh	2679	775	229	22	893	42	AA
24	202	VIT University	Chennai	Tamil Nadu	584	186	225	59	79	124	AA
25	1361	Madhav Institute of Technology & Science	Gwalior	Madhya Pradesh	1713	649	185	12	495	83	AA

### SCORED MAXIMUM NPTEL STAR CERTIFICATES IN SPECIAL CATEGORY FOR JULY-DEC 2022

	LC ID	College Name	City	State	Star Count
1	1361	Madhav Institute Of Technology & Science	Gwalior	Madhya Pradesh	65
2	301	Swami Keshvanand Institute Of Technology Management & Gramothan	Jaipur	Rajasthan	35
3	239	R V College Of Engineering	Bengaluru	Karnataka	28

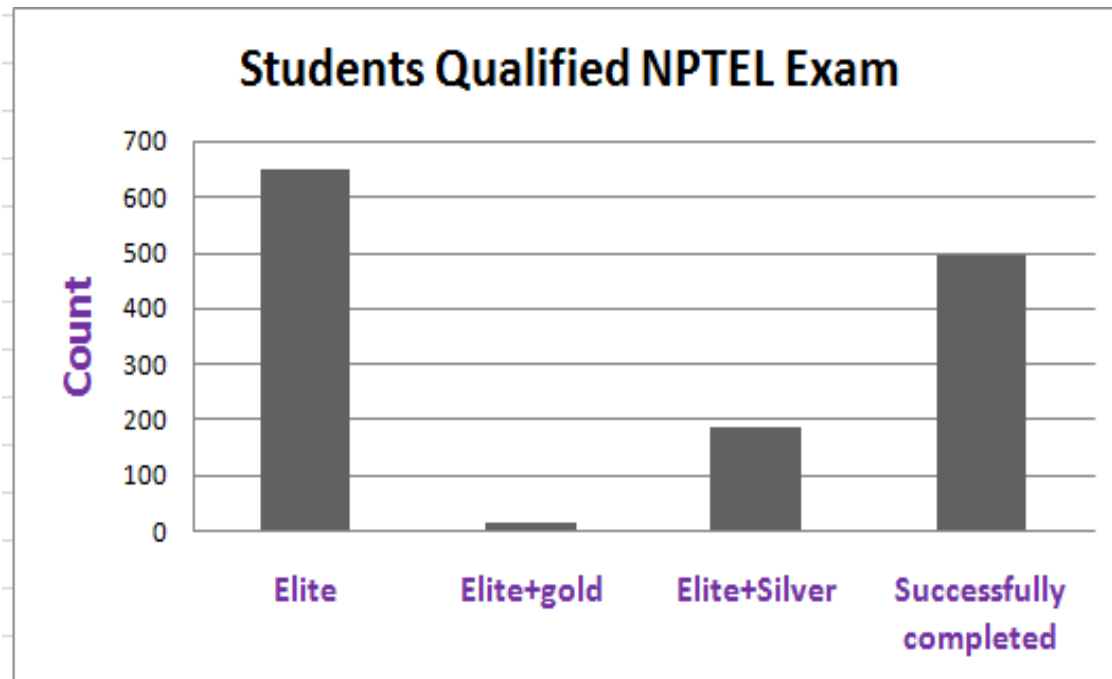
For More Details about NPTEL Stars are available in this link : [Click Here](#)

Local Chapter Rating: [Click Here](#)

List of Successfully Qualified Faculty for session July-Dec 2022: [Click Here](#)

## REPORT OF STUDENTS PERFORMANCE IN NPTEL COURSES RUN DURING JULY-DEC 2022

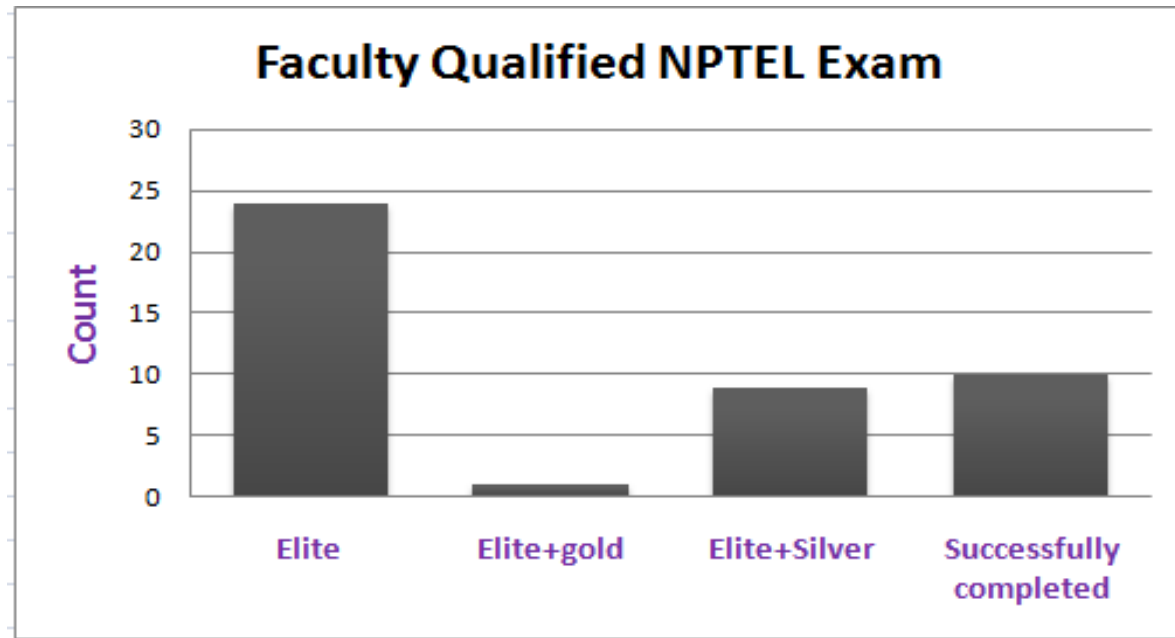
Total no. Of registrations	No of courses in which registration are made	No. Of students count appeared in exam	No. Of Students Qualified Exam					
			Elite + Gold Certificate	Elite +Silver Certificate	Elite Certificate	Successfully Completed	No Of Toppers In Various Courses	Total Students Count Qualified Exam
1840	133	1712	12	185	649	495	83	1341



Topper Category	Count
Topper Of 1% In This Course	20
Topper Of 2% In This Course	17
Topper Of 5% In This Course	45
Topper Of This Course	01

Criteria	
Score	Types of Certificate
>=90	Elite+ Gold
75-89	Elite +Silver
>=60	Elite
40-59	Successfully Qualified
<40	No Certificate

	which registration are made	No. of Faculty Counts Appeared In Exam	Elite + Gold Certificate	Elite +Silver Certificate	Elite Certificates	Successfully Completed	Total No. Of Faculty Qualified Exam	No Of Toppers In Various Courses	No. Of Faculty Counts Completed FDP Courses
56	35	50	01	09	24	10	44	---	44



Topper Category	Count
Topper Of 1% In This Course	-
Topper Of 2% In This Course	-
Topper Of 5% In This Course	-
Topper Of This Course	-

Criteria	
Score	Types of Certificate
>=90	Elite+ Gold
75-89	Elite +Silver
>=60	Elite
40-59	Successfully Qualified
<40	No Certificate

**Item. 20 Student feedback on curriculum and DE/OC courses to be offered in MOOC / Regular mode**

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Ref. No. DA/MP/2022/ 1541 Date: 22/11/2022

**NOTICE**

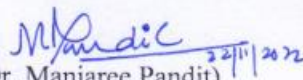
**Subject: Students feedback on curriculum & DE/OC courses to be offered in MOOC/regular mode**

The NPTEL has just recently released list of courses which will be offered on NPTEL platform in the January- April- 2023 semester.

Meeting of III and IV year students must be conducted for getting their choice of DE and OC courses running through MOOC in VI and VIII semester, before the forthcoming BoS meetings (dates will be announced soon).

The choice of MOOC courses can also be taken for minor and honours courses using the same curriculum feedback format available on MOODLE.

The report must be compiled and sent to the Dean Academics Office before **28<sup>th</sup> November 2022**. {In AEI, 31<sup>st</sup> October was the deadline indicated but the date has now been revised as the NPTEL list has come only yesterday}

  
(Dr. Manjaree Pandit)  
Dean (Academic)

**Copy to:**

1. All HoDs.
2. All SWAYAM Coordinator.
3. Prof. Praveen Bansal, SWAYAM Manager
4. Dr. Sunita Sharma, Associate SWAYAM Coordinator
5. Director Office

Page 1 / 1

**The details are available at:**

<https://drive.google.com/drive/u/2/folders/1SDdDBIEgBVEyGmHSNKarepjuNAEia9HW>

**Item. 21 Report on completion of the AICTE sponsored SPICES sanction to ISTE, Students Chapter, MITS (Scheme for promoting Interests, Creativity and Ethics among Students), July 2021-September 2022**

—The IQAC was briefed about the successful completion of the SPICES project, along with the submission of Utilization Certificate and report to the AICTE, New Delhi.

**Item. 22 Report on Uddhav International Dance Festival**

- The 17th Udbhav Utsav International Dance Festival was held at Gwalior, India, from 29th - 2nd Nov 2022, at Manas Bhavan, Phool Bagh, Gwalior.
- 32 teams from various schools in India and countries like Bulgaria, Turkey, Sri Lanka and South Korea participated in the weeklong festival. We took part in classical and semi classical dance categories.
- MITS team was awarded in the following categories:
  - First position in semi-classical solo dance,
  - Second position in classical solo dance and
  - Second position in the semi-classical group dance

**The details are available at**

[https://drive.google.com/file/d/1cv-jn4NI37cyUsQicCoM4hpA2thDS3Xk/view?usp=share\\_link](https://drive.google.com/file/d/1cv-jn4NI37cyUsQicCoM4hpA2thDS3Xk/view?usp=share_link)

### **Item 23: Any other matter with the permission of the Chair**

There were deliberations on the following other issues:

- The Dean Academics informed the members that as a first step towards the II cycle of NAAC accreditation, the Institutional Information for Quality Assurance (IIQA) was uploaded on the NAAC portal on 27<sup>th</sup> December 2023.
- It was also informed that now within 45 days the Self Study Report (SSR) will have to be uploaded, as per norms.
- **Dr. Nameesh Miglani**, General Secretary, Sunrise Technical Education Promotional Society, alumni member said that to fulfil all NAAC guidelines, many sessions will be required with the seven criterion heads and their teams to finalize the Self Study Report (SSR).
- **Shri Prashant Mehta, representative of the BoG** asked the student members about the reasons for less attendance of final year students. **Ms. Ikshita Trivedi** the student member said that one of the most important reasons is involvement in placement activities.
- Further, she suggested that tests can be conducted randomly to monitor student performance and attendance compliance.
- It was discussed that whats app group of parents can also be created for improved communication with the students.
- The efforts of **Dr. C.S. Malvi** and team in conducting examinations in physical mode post COVID, after a gap of almost 2 years were appreciated.
- The Director **Dr. R. K. Pandit** informed the House that the institute is planning to recruit off-campus faculty for continuous monitoring and evaluation of final year students during their full VIII semester internship.

- The management representative, **Er. Ramesh Agrawal**, Secretary Scindia Engineering College Society, informed the House that the institute is planning to conduct alumni meets in all major cities like Bangalore, Hyderabad, Pune, Chennai etc. to exploit the large alumni base of the institute for quality enhancement of internships and placements.
- It was informed that the Alumni Association, Delhi has contributed about 1.65 Lac to the alumni fund of the institute.
- There was discussion about the progress of the MOOC development activity in the institute and possibility of offering these courses to students of the other institutes. It was suggested that a ‘Cost Benefit Analysis’ of the MOOC studio of the institute can be carried out.
- Similarly, it was discussed that the feasibility of renting the cricket ground can also be explored.
- **Prof. I.K. Bhat**, external expert, referred to the report of the high level inter-ministerial committee on “Credit Accumulation & Transfer Framework, i.e. ‘National Credit Framework’(NCrF), September 2022 available at [https://drive.google.com/file/d/1G4eh8Y65vEEzvQNSmaW9fUxVLLmRPD4i/view?usp=share\\_link](https://drive.google.com/file/d/1G4eh8Y65vEEzvQNSmaW9fUxVLLmRPD4i/view?usp=share_link)
- **Dr Bhat emphasized that attendance in class per se is not important; instead it is important to see how a student is being engaged in different activities (academic, skill based, experiential learning, vocational etc.) and how the evaluation/creditation can be done. By doing this we empower the students to learn at their own time, at their place of choice and in the manner they want.**
- **The NCrF provides for creditation of all learning and assignment, accumulation, storage, transfer & redemption of credits, subject to assessment; removes distinction and establishes academic equivalence between vocational & general education; enables mobility within & between them, and its operationalising through the Academic Bank of Credits (ABC). However, the NCrF is an enabling framework and may not be construed as a regulation.**

Meeting ended with the thanks to chair.



Dr. Pratesh Jayaswal)  
Coordinator IQAC

Date: 30.12.2022



(Dr. R. K. Pandit)  
DIRECTOR