



Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 30th June 2022

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **30th June 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. Dr. Sunil Kumar, Professor, School of Management Studies, IGNOU, New Delhi*

Representative of 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. Manoj Kumar Gaur, Professor & Head, Mechanical Engineering
3. Dr. Akhilesh Tiwari, Professor & Head, Information Technology
4. Dr. Vandana Vikas Thakre, Associate Professor, Electronics Engineering
5. Prof. Praveen Bansal, Assistant Professor, Electrical Engineering
6. Prof. Pooja Sahu, Assistant Professor, Electronics Engineering

Administrative Officers-

1. Er. Vikram Rajput, Training & Placement Officer
2. Shri Dharmendra Gorakhpuri, Finance cum Account Officer
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. Akshada Wakarkar*
2. Vineesh Modi*

**Attended through online mode*

Item. 1: To confirm the minutes of the IQAC meeting on 25th March, 2022

➤ The members recalled the following points from the previous IQAC meeting dated 25.03.2021 and the minutes were then confirmed:

- *The minutes of the IQAC meeting on 23rd December 2022 were briefly discussed and confirmed.*
- *The House was apprised about the inclusion of the institute as a “Promising Institute” under the category Colleges/Institutes (Govt. & Govt. Aided) (Technical) in Atal Ranking of Institutions on Innovation Achievements” (ARIIA) by Ministry of Education, Govt. of India for year 2021.*



- *The status of post Covid Student support initiatives was presented.*
- *The appreciation by the external auditors of Academic & Administrative Audit (AAA), through a short video clip and posting it on institute website*
- *The Celebration of national and international commemorative days, events and festivals at the institute and the practice of making brief reports available on the website*
- *The constitution and conferring of two State-Level Awards by the institute*
- *The report on the new registration portal for 'Novel Engaging Courses (NEC)' developed by the students was presented*
- *The Report on the registrations in 'Novel Engaging Courses (NEC)' in IV semester, January-June 2022 Session*
- *The Report on student feedback conducted for the first time in July-December 2021 for 'Novel Engaging Courses (NEC)' from the III semester students*
- *The Report of the 'offline campus connect programme' conducted by each department to welcome the students to the campus along with the evaluation criteria for rating this event*
- *The Report on the Meritocracy Award Ceremony on 21st March 2022*
- *The Conduction of the Cyber Security course in MITS-MOOC format for the first time*
- *Report on conduction of workshops/seminars on Research Methodology (RM), Intellectual Property Rights (IPR), entrepreneurship and skills development was presented.*
- *The Minutes of the ADC meeting on 23rd February 2022 to discuss implementation issues of 'Multiple Mode Teaching Learning Pattern (MMTLP) under the Flexible Scheme w.e.f. 2020 admitted batch, conforming to NEP-2020} were presented.*
- *The Internship/ Project summary for final year students and the continuous monitoring mechanism based on a fortnightly progress report(FPR), was presented.*
- *The House was informed about the signing of MoU with Indira Gandhi Rashtriya Udaan Academy (IGRUA) for establishing a Drone School.*
- *The targets set after the presentation delivered by professors on "Market Driven Analysis for Dynamic Curriculum Development" during the BoG meeting on 11.01.2022 were discussed.*
- *The Report on initiative taken for the Conduction of Course in Collaboration with Industry Person*
- *The Initiatives taken for monitoring student learning by identifying slow, medium and fast learners and Initiatives taken for addressing their special needs*
- *The Report on conduction of in-house workshop on "Addressing the Special Needs of Slow and Advanced Learners through Teaching-Learning" at each department*
- *The Report on computation of Administrative Efficiency Index (AEI) for July-December 2021 session was presented.*
- *The Report on "Monitoring of Continuous Evaluation Through Quiz & Assignment" was presented*
- *The Report on meetings and sessions with First Year students for counselling, support and grievance redressal, was presented*



- The Report on sessions conducted by the departmental and central placement cell for First year students with reference to their queries regarding placements was presented.
 - The summary of 'Orientation Programmes' for the II, III & IV year students was presented.
 - The report of online classes conducted in Session July-December 2021 compiled for the period 19th July 2021 to 31st December 2021 was presented.
 - The successful submission and approval of Annual Quality Assurance Report (AQAR) for the Year 2020-2021 was reported.
 - The Action Taken Report on 'teaching-learning feedback', (Second, Third & Fourth Year Classes), July-December 2021 was reviewed.
 - The Action Taken Report on 'teaching-learning feedback', (First Year Classes), July-December 2021 was reviewed.
 - The "Result Analysis Report" for July-December 2022 session was presented.
 - The Gender sensitization activities and report of the Girls' Grievances Cell was presented.
 - The Status of Ph.D. research work and six monthly monitoring was presented.
 - The Report on NSS and other extension activities was presented.
 - The Feedback on question paper (From First Year Students) was reviewed.
 - The Report on Fortnightly Progress Report (FPR) of FINAL YEAR Internships was reviewed.
 - The Report on Department Level Alumni Meet conducted in virtual mode was presented.
 - The report about sanction of seed money for research "Innovative Research Scheme – 2021" was reviewed.
 - The registration for OC courses in Jan-June 2022 session was reviewed.
- The minutes of the previous meeting of the IQAC on 25th March 2022 were confirmed.

Item. 2: To report on recruitment of regular faculty for quality enhancement (during 2020-2021 & 2021-2022)

- The role of faculty and the importance of recruiting good faculty in the institute for quality enhancement was discussed and the faculty recruitments during the last two years were presented.

Faculty Recruitment Summary

S.No.	Name of Department	No. of New Faculty Joining		Total
		Year 2020-21	Year 2021-22	
1.	Civil Engineering	06	-	06
2.	Mechanical Engineering	06	03	09
3.	Electrical Engineering	01	04	05
4.	Electronics	05	-	05
5.	Computer Science and Engineering	01	02	03
6.	Information Technology	01	08	09
7.	Chemical Engineering	02	-	02
8.	Engineering Mathematics and Computing	-	03	03
9	Master of Business Management	02	-	02
10	Architecture	01	-	01



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List of Faculty Recruited/Joined

(Year 2020-2021 & 2021-2022)

+

S.No.	Employee Name	Department Name	Qualification		Date of Joining	Date of Reliving
			M.Tech (Name of Institute)	Ph.D (Name of Institute)		
1	Ms. Renuka Darshvamkar	Civil Engineering	IIT, Delhi		6-Apr-21	31-May-22
2	Dr. Prachi Singh	Civil Engineering	MANIT Bhopal	MNNIT Allahabad (UP)	8-Apr-21	
3	Dr. Hemant Shrivastava	Civil Engineering	IIT, Roorkee	IIT, Delhi	7-Apr-21	
4	Dr. Jayvant Choudhary	Civil Engineering	IIT, Banaras Hindu University	IIT, Banaras Hindu University	31-May-21	
5	Dr. Chayan Gupta	Civil Engineering	National Institute of Technology Hamirpur (H.P)	IIT Banaras Hindu university	31-May-21	
6	Dr. Abhilash Shukla	Civil Engineering	Birla Institute of Technoloy	IIT Bombay	31-May-21	
7	Dr. Anjula Mehto	Computer Science and Engineering	MNIT Bhopal	ABV- IIITM Gwalior	15-Apr-21	25-May-22
8	Dr. Ranjeet Kumar Singh	Computer Science and Engineering	RTU, KOTA	NIT, Jamshedpur	8-Nov-21	
9	Dr. Kalka Dubey	Computer Science and Engineering	ABV-IIITM gwalior	IIT Roorkee	8-Nov-21	10-May-22
10	Dr. Shourabh Singh Raghuvanshi	Chemical Engineering	U.E.C Ujjain Engg. College (M.P)	MANIT Bhopal	1-Apr-21	
11	Dr. Ankit Tiwari	Electrical Engineering	IIT, Bombay	IIT, Indore	8-Nov-21	
12	Mr. Nikhil Paliwal	Electrical Engineering	(M.E) Jabalpur Engineering College Jabalpur		3-Jan-22	
13	Dr. VIKRAM	Electrical Engineering	(M.E) NIT, Kurukshetra	NIT, Kurukshetra	1-Apr-21	
14	Dr. Shubhi Kansal	Electronics Engineering	Banasthali Vidyaipith	NIT Delhi	8-Nov-21	
15	Dr. Suneeta Kumari	Chemical Engg.	Ujjain Engineering College, Ujjain	NIT, Rourkela	7-June-21	24-Dec-21
16	Dr. Yogeshwar Singh Dadwal	Information Technology	NIT, Kurukshetra	ACSIR /CSIR, Chandiragh	10-Nov-21	01-Feb-22
17	Dr. Sanyam Bahga	Architecture & Planning	(M.Arch) IIT Roorkee	IIT, Roorkee	31-May-21	14-Jan-22
18	Dr. Vikas Mahor	Electronics Engineering	ABV-IIITM gwalior	ABV- IIITM Gwalior	1-Apr-21	
19	Dr. Rahul Dubey	Electronics Engineering	ABV-IIITM gwalior	MANIT Bhopal	5-Apr-21	
20	Dr. Deepak Batham	Electronics Engineering	Dev Ahilya Vishwavidyalaya (DAVV) Indore	DAVV, Indore	8-Apr-21	
21	Dr. Sandeep Sharma	Electronics Engineering	(M.E) Institute of Engg& Tech DAVV, Indore	Gautam Buddha University, U.P	1-Apr-21	
22	Dr. Hemant Choubey	Electronics Engineering	University Institute of Technology RGPV, Bhopal	MANIT Bhopal	8-Apr-21	



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S.No.	Employee Name	Department Name	Qualification M.Tech	Qualification Ph.D	Date of Joining	Date of Relieving
23	Dr. Varun Sharma	Electronics & Tele.	ABV-IIITM gwalior	ABV- IIITM Gwalior	8-Nov-21	
24	Dr. Sushmita Chaudhari	Electronics & Tele.	School of Nanotechnology UTD, RGPV Bhopal	IIT Hyderabad	8-Nov-21	
25	Dr. Dinesh Rano	Electronics & Tele.	Jaypee Institute of Information Technology Noida	Indraprastha Institute Of Information Technology Delhi	9-Dec-21	
26	Mr. Abhishek Dixit	Information Technology	(M.Tech)Vikrant Institute of Technology & Management , Gwalior		12-Nov-21	
27	Dr. Saumil Maheshwari	Information Technology	MITS Gwalior	ABV- IIITM Gwalior	1-Apr-21	
28	Dr. Vikram Raipoot	Information Technology	SATI Vidhisa	Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya	8-Nov-21	
29	Dr. Tej Singh	Information Technology (AIR)	(M.E) Thapar University Patiala	DTU Delhi	8-Nov-21	
30	Dr. Pawan Dubey	Information Technology (AIR)	Jabalpur Engineering College Jabalpur	NIT, Delhi	8-Nov-21	
31	Dr. Bhagat Singh Raghuvanshi	Information Technology (AIR)	MNIT Bhopal	MNIT Bhopal	1-Dec-21	
32	Dr. Nidhi Saxena	Information Technology	MITS Gwalior	Malaviya National Institute Of Technology jaipur	25-Feb-22	
33	Dr. Dhananjay Bisen	Information Technology (IOT)	School of Information Tech. UTD, RGPV Bhopal	RGPV Bhopal	8-Nov-21	
34	Dr. Yashwant Sawle	Electrical Engineering (IOT)	MANIT Bhopal	MANIT Bhopal	3-Feb-22	
35	Dr. Minakshi	Mathematics and Computing	(M.Sc) Gurukula Kangri Vishwavidyalaya Haridwar	Indian Institute of Technology Roorkee	8-Nov-21	
36	Dr. Divya Chaturvedi	Mathematics and Computing	(M.Sc) Jiwaji University	Jiwaji University	10-Nov-21	
37	Dr. Atul Kumar Ray	Mathematics and Computing	(M.Sc) Jiwaji University	MNNIT Allahabad (U.P)	8-Nov-21	
38	Dr. Trilok Pratap Singh	MBA Programme	Jiwaji University Gwalior	Jiwaji University Gwalior	1-Apr-21	
39	Dr. Monica Chauhan Bhadoriya	MBA Programme	ABV-IIITM gwalior	ABV- IIITM Gwalior	1-Apr-21	
40	Dr. Surendra Kumar Chourasiya	Mechanical Engineering	IIT (BHU) Varanasi	IIT Roorkee	6-Apr-21	
41	Dr. Nitin Upadhyay	Mechanical Engineering	NIT, Triuchirappalli Tamilnadu	(PDPM) IIT Jabalpur	6-Apr-21	
42	Dr. Harbhajan Ahirwar	Mechanical Engineering	Indian Institute of Technology Kharagpur	Indian Institute of Information Technology , Design & Manufacturing , Jabalpur (M.P)	12-Apr-21	
43	Dr. Gayendra Norkey	Mechanical Engineering	MITS Gwalior	Jaypee University of Engineering & Technology, Guna	31-May-21	
44	Dr. Dinesh kumar rathore	Mechanical Engineering		NIT, Rourkela	31-May-21	
45	Dr. Ashish Agrawal	Mechanical Engineering	IIT, Kanpur	IIT, Kanpur	20-Sep-21	

Item 3: Result of final year graduating batch 2018-2022 was reviewed along with graduation with Minor degree and Honors

- The institute had started the practice of awarding Minor degree and Honours degree for students who are able to earn 20 additional credits along with their graduation, for the 2017-18 admitted batch.
- The first batch with these provisions graduated in 2021.
- The results of the second batch were discussed and presented in the meeting by the Dean academics.



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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR - 05 Analysis Report June 2022 For Honors

Sr. No.	Branch	No. of Students Appeared	No. of Students Qualified for Honors	Pass Percentage
1	Biotechnology	1	1	100
2	Civil Engineering	8	5	63
3	Chemical Engineering	11	9	82
4	Computer Science & Engineering	2	0	0
5	Electronics & Telecommunication	1	0	0
6	Electrical Engineering	7	5	71
7	Information Technology	2	2	100
8	Mechanical Engineering	12	8	67
Total		44	30	68

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR - 05 Analysis Report June 2022 For Minor Specialization in Computer Science & Engineering

Sr. No.	Branch	No. of Students Appeared	No. of Students Qualified for Minor	Pass Percentage
1	Civil Engineering	1	1	100
2	Electronics Engineering	1	1	100
3	Electrical Engineering	1	1	100
Total		3	3	100

Handwritten signature: P. K. Singhal
Date: 28/6/22

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Analysis Report (Grading)

Program Name: B.Tech., SEMESTER: VIII Page 1 of 1

S.No	Branch Name	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade							
					A+	A	B+	B	C+	C	D	
1	AUTOMOBILE ENGINEERING	60	56	93	0	2	24	28	2	0	0	
2	BIOTECHNOLOGY	7	7	100	0	0	3	4	0	0	0	
3	CIVIL ENGINEERING	121	120	99	2	28	67	23	0	0	0	
4	CHEMICAL ENGINEERING	47	46	97	0	6	24	16	0	0	0	
5	COMPUTER SCIENCE & ENGINEERING	128	128	100	1	16	87	24	0	0	0	
6	ELECTRONICS AND TELECOMMUNICATION ENGINEERING	58	57	98	0	4	40	13	0	0	0	
7	ELECTRICAL ENGINEERING	126	126	100	1	30	72	23	0	0	0	
8	INFORMATION TECHNOLOGY	61	60	98	1	10	28	21	0	0	0	
9	MECHANICAL ENGINEERING	134	132	98	0	22	64	43	3	0	0	
10	ELECTRONICS ENGINEERING	108	108	100	2	28	72	6	0	0	0	

Handwritten signatures and dates: 22/6/2022, 28/6/22, 22/6/22, 22/06/2022

Summary

	Registered	Passed	Pass Percentage	A ⁺ >90	A >80	B ⁺ >70	B >60	C ⁺ >50
B.Tech	850	840	98.82	7	146	481	201	5
B.Arch	38	38	100	5	22	9	2	--
MCA(2-year)	60	60	100	17	40	3	---	---
MCA(3-year)	19	19	100	--	18	1		



Item 4: To report the achievement of the NPTEL LOCAL CHAPTER, MITS, GWALIOR which has secured 2nd Rank at all India level in Jan-April 2022

- MITS-NPTEL LOCAL CHAPTER SECURED 2ND RANK IN JANUARY -APRIL 2022 SESSION AMONG THE 100 ACTIVE LOCAL CHAPTERS OF NPTEL in India.
— SCORED MAXIMUM STAR CERTIFICATES IN SPECIAL CATEGORY FOR JAN-JUNE 2022.
— MITS ranked first with 147 star performers whereas the second ranking M S Ramaiha Institute of Technology, Bangalore was able to get only 33 stars.
— The chapter score and rank at all India level is calculated based on certificate received by enrolled students and faculty members.
— The following report is shared by the SPOC of the MITS-NPTEL local chapter, Prof. Praveen Bansal.
— All the members applauded and appreciated this achievement of the NPTEL Local Chapter.

Toppers of various courses

Table with 4 columns: Category, June 2021, December 2021, June 2022. Rows include 'Among 1% toppers of a course', 'Among 2% toppers of a course', 'Among 5% toppers of a course', 'Course toppers', and 'Total'.

THE NPTEL LOCAL CHAPTER REPORT

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE AFFILIATED TO RGPV, BHOPAL)
MITS-NPTEL LOCAL CHAPTER SECURED 2ND RANK IN JANUARY -APRIL 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 (JAN 2022)
TOP 100 LOCAL CHAPTERS WILL BE CONSIDERED AS ACTIVE LOCAL CHAPTERS
Criteria for ratings:
RATING POINTS, R =
{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}
BASED ON THE RATING POINTS CALCULATED USING THE ABOVE FORMULA:
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
Table with 11 columns: Lc Id, College Name, City, State, Present, Elite, Silver, Gold, Successfully Completed, Toppers, Rating.



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2563	Sastra Deemed To Be University	Thanjavur	Tamil Nadu	3719	1998	397	49	959	318	AAA
3391	Chandigarh University	Mohali	Punjab	6759	1404	614	65	1510	149	AAA
2424	National Institute Of Technology	Patna	Bihar	1341	397	446	190	116	247	AAA
822	R.V.R & J.C. College Of Engineering	Guntur	Andhra Pradesh	3375	1010	505	106	840	73	AAA
743	Psg College Of Arts & Science	Coimbatore	Tamil Nadu	4370	1425	363	43	1550	95	AAA
1444	J. C. Bose University Of Science And Technology, Ymca	Faridabad	Haryana	2519	878	356	155	564	80	AAA
2520	Banaras Hindu University	Varanasi	Uttar Pradesh	1142	411	393	94	152	186	AAA
2355	Gla University	Mathura	Uttar Pradesh	3970	1307	352	35	1230	53	AAA

SCORED MAXIMUM STAR CERTIFICATES IN SPECIAL CATEGORY FOR JAN-JUNE 2022

LCs With Max NPTEL Stars					
S.No.	Lc Id	College Name	City	State	Star Count
1.	1361	Madhav Institute Of Technology & Science	Gwalior	Madhya Pradesh	147
2.	313	M S Ramaiha Institute Of Technology	Bengaluru	Karnataka	35
3.	239	R V College Of Engineering	Bengaluru	Karnataka	33

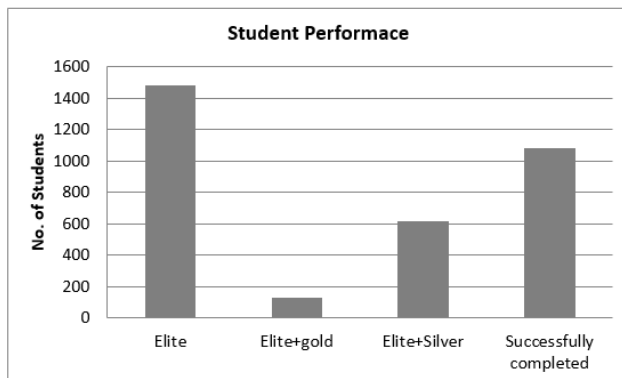
For More Details about NPTEL Stars are available in this link : <https://nptel.ac.in/nptelstars>

Local Chapter Rating Criterion: [Click Here](#)

REPORT Continued..

REPORT OF STUDENTS PERFORMANCE IN NPTEL COURSES RUN DURING JAN-JUNE 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
4272	149	4167	128	617	1486	1082	275	3313



Topper Category	Count
Topper Of 1% In This Course	59
Topper Of 2% In This Course	51
Topper Of 5% In This Course	152
Topper Of This Course	13

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

List of Successfully Qualified students for session Jan-June 2022: [Click Here](#)

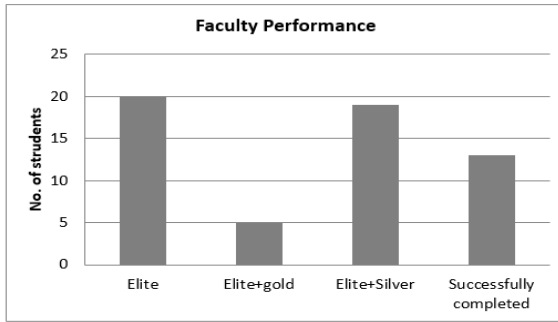


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REPORT OF FACULTY PERFORMANCE ON SWAYAM/ NPTEL COURSES DURING JAN-JUNE 2022

Total no. Of registrations	No of courses in which registration are made	No. of Faculty Counts Appeared In Exam	No. Of Faculty Members Qualified 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
65	44	60	05	19	20	13	57	13	32



Topper Category	Count
Topper Of 1% In This Course	4
Topper Of 2% In This Course	4
Topper Of 5% In This Course	1
Topper Of This Course	4

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

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

List of faculty members who earned NPTEL certificate

1	Roll Number	Course Id	Course Name	Name	Department	Final Score	Certificate Type	FDP Eligible	Topper
2	NOC22CE2243490875	noc22-ce22	Air pollution and Control	Prachi Singh	civil_engineering	82	Elite+Silver	No	Topper of 2% in this course
3	NOC22EE6323490869	noc22-ee63	Analysis and Design Principles of Microwave Antennas	Dinesh Rano	electronics_engineering	47	Successfully completed	No	
4	NOC22EE2213490388	noc22-ee22	Antennas	Dinesh Rano	electronics_engineering	58	Successfully completed	Yes	
5	NOC22MA04533490454	noc22-ma04	Basic Linear Algebra	Minakshi	other	65	Elite	No	
6	NOC22CS2033490453	noc22-cs20	Cloud computing	ANJULA MEHTO	computer_science_and_engineering	64	Elite	Yes	
7	NOC22EE08333530329	noc22-ee08	CMOS Digital VLSI Design	VARUN SHARMA	electronics_and_communication_engineering	91	Elite+gold	Yes	Topper of 1% in this course
8	NOC22CS14513490317	noc22-cs14	Compiler Design	BHAGAT SINGH RAGHUWANSHI	information_technology	63	Elite	No	
9	NOC22CS14513490327	noc22-cs14	Compiler Design	Dhananjay Bisen	information_technology	65	Elite	No	
10	NOC22AE04513490137	noc22-ae04	Computational Science in Engineering	ATUL KUMAR RAY	mathematics	81	Elite+Silver	Yes	
11	NOC22AE04513490254	noc22-ae04	Computational Science in Engineering	Ashish Agrawal	mechanical_engineering	68	Elite	Yes	
12	NOC22AE04523490849	noc22-ae04	Computational Science in Engineering	Divya Chaturvedi	mathematics	76	Elite+Silver	Yes	
13	NOC22AE04523490944	noc22-ae04	Computational Science in Engineering	Minakshi	other	83	Elite+Silver	Yes	Topper of this course
14	NOC22CS19523490837	noc22-cs19	Computer Networks and Internet Protocol	BHAGAT SINGH RAGHUWANSHI	information_technology	80	Elite+Silver	No	
15	NOC22CS19523490942	noc22-cs19	Computer Networks and Internet Protocol	ANJULA MEHTO	computer_science_and_engineering	79	Elite+Silver	No	
16	NOC22EE48513490731	noc22-ee48	Computer Vision and Image Processing "Fundamentals and Applications"	Shubhi Kansal	electronics_and_communication_engineering	45	Successfully completed	Yes	
17	NOC22EE31513490474	noc22-ee31	Control engineering	Vikram	electrical_engineering	65	Elite	Yes	
18	NOC22CS15333530443	noc22-cs51	Data Base Management System	Dr Saumil Maheshwari	information_technology	82	Elite+Silver	Yes	Topper of 1% in this course
19	NOC22CS15433530466	noc22-cs51	Data Base Management System	BHAGAT SINGH RAGHUWANSHI	information_technology	60	Elite	Yes	
20	NOC22CS15433530492	noc22-cs51	Data Base Management System	Dhananjay Bisen	information_technology	63	Elite	Yes	
21	NOC22EE55513490767	noc22-ee55	Digital Electronic Circuits	Dr VIKAS MAHOR	electronics_engineering	49	Successfully completed	No	
22	NOC22EE55523490857	noc22-ee55	Digital Electronic Circuits	Deepak Batham	electronics_engineering	47	Successfully completed	No	
23	NOC22EE55523491320	noc22-ee55	Digital Electronic Circuits	Shubhi Kansal	electronics_and_communication_engineering	56	Successfully completed	No	
24	NOC22EE28533530347	noc22-ee28	Discrete Time Signal Processing	Karuna Markam	electronics_engineering	51	Successfully completed	No	
25	NOC22GE05433530876	noc22-ge05	Effective Engineering Teaching In Practice	Pramod Kumar Singhal	electronics_engineering	69	Elite	Yes	
26	NOC22CH17543530692	noc22-ch17	Electrochemical Technology in Pollution Control	Shourabh Singh Raghuvanshi	chemical_engineering	55	Successfully completed	Yes	
27	NOC22CS46543491175	noc22-cs46	Embedded Systems Design	Dr VIKAS MAHOR	electronics_engineering	58	Successfully completed	No	
28	NOC22AR07333490100	noc22-ar07	Environmental Impact Assessment	ADITYA KUMAR AGARWAL	civil_engineering	90	Elite+gold	Yes	
29	NOC22CH3343491053	noc22-ch33	Environmental Quality Monitoring & Analysis	Shourabh Singh Raghuvanshi	chemical_engineering	51	Successfully completed	Yes	
30	NOC22CE16333490503	noc22-ce16	Environmental Remediation of Contaminated Sites	Prachi Singh	civil_engineering	50	Successfully completed	No	
31	NOC22CE21333530406	noc22-ce21	Expansive Soil	Dr Chayan Gupta	civil_engineering	92	Elite+gold	Yes	
32	NOC22CS01533490253	noc22-cs01	Fundamental Algorithms: Design and Analysis	Dhananjay Bisen	information_technology	60	Elite	No	
33	NOC22CS01543490632	noc22-cs01	Fundamental Algorithms: Design and Analysis	Abhishek Dixit	information_technology	88	Elite+Silver	No	Topper of 2% in this course
34	NOC22CS01543491006	noc22-cs01	Fundamental Algorithms: Design and Analysis	Dr Saumil Maheshwari	information_technology	86	Elite+Silver	No	Topper of 5% in this course
35	NOC22GE04533490380	noc22-ge04	Fuzzy Logic and Neural Networks	Vikram	electrical_engineering	75	Elite+Silver	Yes	



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36	NOC22EE21S13490361	noc22-ee21	Fuzzy Sets, Logic and Systems & Applications	Deepak Batham	electronics_engineering	75	Elite+Silver	Yes	
37	NOC22CE26S23491035	noc22-ce26	Geographic Information Systems	Prachi Singh	civil_engineering	78	Elite+Silver	No	
38	NOC22EE27S23490931	noc22-ee27	Integrated Circuits, Mosfets, OP-Amps and their Applications	Madhav Singh	electronics_engineering	64	Elite	Yes	
39	NOC22CS52S43490692	noc22-cs52	Introduction To Industry 4.0 And Industrial Internet Of Things	Dhananjay Bisen	information_technology	84	Elite+Silver	No	Topper of 1% in this course
40	NOC22CS53S23490843	noc22-cs53	Introduction To Internet Of Things	Dhananjay Bisen	information_technology	73	Elite	Yes	Topper of 2% in this course
41	NOC22CS53S23491023	noc22-cs53	Introduction To Internet Of Things	Pawan Dubey	information_technology	62	Elite	No	
42	NOC22CE30S23490874	noc22-ce30	Introduction To Mineral Processing	Dr Rakesh Kumar Dubey	chemical_engineering	95	Elite+gold	No	Topper of this course
43	NOC22CS24S43490743	noc22-cs24	Machine Learning, ML	Vikram	electrical_engineering	49	Successfully completed	No	
44	NOC22MA37S13490586	noc22-ma37	Mathematical Methods in Physics 1	Minakshi	other	69	Elite	No	Topper of this course
45	NOC22CH14S23491306	noc22-ch14	Membrane Technology	Shourabh Singh Raghuvanshi	chemical_engineering	63	Elite	Yes	
46	NOC22GE13S33490501	noc22-ge13	Outcome Based Pedagogic Principles for Effective Teaching	Pramod Kumar Singhal	electronics_engineering	82	Elite+Silver	No	
47	NOC22GE13S43491162	noc22-ge13	Outcome Based Pedagogic Principles for Effective Teaching	Vandana Vikas Thakare	electronics_engineering	88	Elite+Silver	No	Topper of 1% in this course
48	NOC22HS04S33530206	noc22-hs04	Patent Drafting for Beginners	Abhishek Dixit	information_technology	77	Elite+Silver	Yes	
49	NOC22HS04S433530881	noc22-hs04	Patent Drafting for Beginners	Dr Saumil Maheshwari	information_technology	78	Elite+Silver	Yes	
50	NOC22EE47S23491464	noc22-ee47	Physics of Nanoscale Devices	VARUN SHARMA	electronics_and_communication_engineering	71	Elite	No	Topper of this course
51	NOC22CS32S33530080	noc22-cs32	Python for Data Science	BHAGAT SINGH RAGHUWANSHI	information_technology	73	Elite	Yes	
52	NOC22CS32S33530105	noc22-cs32	Python for Data Science	Dhananjay Bisen	information_technology	69	Elite	Yes	
53	NOC22EE50S43491114	noc22-ee50	Sensors and Actuators	SUSHMITA CHAUDHARI	electronics_engineering	60	Elite	Yes	
54	NOC22CH11S33530390	noc22-ch11	Soft Nano Technology	Shourabh Singh Raghuvanshi	chemical_engineering	58	Successfully completed	Yes	
55	NOC22ME07S33490200	noc22-me07	Steam and Gas Power Systems	Ashish Agrawal	mechanical_engineering	82	Elite+Silver	No	Topper of 2% in this course
56	NOC22MA32S33490126	noc22-ma32	Transform Calculus and Its Applications In Differential Equations	ATUL KUMAR RAY	mathematics	64	Elite	Yes	
57	NOC22MA32S33490264	noc22-ma32	Transform Calculus and Its Applications In Differential Equations	Divya Chaturvedi	mathematics	90	Elite+gold	Yes	
58	NOC22MA32S43490802	noc22-ma32	Transform Calculus and Its Applications In Differential Equations	Minakshi	other	83	Elite+Silver	Yes	

Summary of performance

Certificate	Students	Faculty	Total
No of courses in which registrations were made	149	44	---
Registered	4272	65	4337
Appeared in examination	4167	60	4227
Elite+ Gold	128	05	133
Elite + Silver	617	19	636
Elite	1486	20	1506
Successfully Completed	1082	13	1094
Toppers in various courses	275	13	288
Total Certificates	3313(79.5%)	57(95%)	3370 (80%)

— The student pass percentage in NPTEL exams is 79.5%, faculty pass percentage is 95% and the overall chapter result is 80% as shown above

— The number of certificates has more than doubled in this session as compared to June 2021.

Certificate	June 2021	June 2022
	No. of Students	No. of Students
Elite+ Gold	59	133
Elite + Silver	535	636
Elite	891	1506
Successfully Completed	322	1094
No Certificate	175	964
TOTAL	1982	4333




Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

Item. 5: To review the Coursera report

- In addition to NPTEL, the faculty and staff are enrolling for **Coursera courses** also.
- On comparison of **April 2022 and June 2022** reports it is clear that the ‘total unique course completers’ have increased from **88 to 133**.
- The total enrolments have increased from **446 to 532**.

Coursera report June 26th 2022

My Courses | Course Catalog

The usage report for the Coursera learning program was last updated on June 26 at 10:15 PM UTC. These reports are only for active contracts. To include data for all time, [click here](#) and select the option. These reports include removed learners. The programs are as follows: [Madhav Institute of Technology and Science on Coursera](#). Here is a summary:

Total enrollments	532
Total unique learners	418
Learners who have enrolled in at least one course	414
Current members	482
Removed members	799
Total unique courses	216
Total course completions	167
Total verified course completions	167



Total unique course completers	133
Total estimated hours spent	1029
Learners who have completed 50% of a course	141
Learners who have joined the program but have not enrolled in a course	68
Learners who have enrolled in a course but have not completed any course	285
Learners who have enrolled in 1 course	353
Learners who have completed 1 course	106
Learners who have enrolled in 2 courses	39
Learners who have completed 2 courses	22
Learners who have enrolled in more than 2 courses	26
Learners who have completed more than 2 courses	5

Coursera Report 15th April 2022

The usage report for the Coursera learning program was last updated on April 15 at 10:16 PM UTC. These reports are only for active contracts. To include data for all time, [click here](#) and select the option. These reports include removed learners. The programs are as follows: [Madhav Institute of Technology and Science on Coursera](#). Here is a summary:

Total enrollments	446
Total unique learners	395
Learners who have enrolled in at least one course	391
Current members	441
Removed members	817
Total unique courses	189
Total course completions	102
Total verified course completions	102
Total unique course completers	88
Total estimated hours spent	944
Learners who have completed 50% of a course	99
Learners who have joined the program but have not enrolled in a course	50
Learners who have enrolled in a course but have not completed any course	307
Learners who have enrolled in 1 course	361
Learners who have completed 1 course	77
Learners who have enrolled in 2 courses	21
Learners who have completed 2 courses	8
Learners who have enrolled in more than 2 courses	13
Learners who have completed more than 2 courses	3



Item. 6: To review the placement status of 2021 and 2022 graduating students

- The members observed that the number of offers, individual job placements, package and number of companies, have all improved.
- The Director and members concluded that this hike is due to the initiative taken by the institute for full semester internship and efforts made by placement cell and departmental coordinators.

Placement Details Year of 2021-22

Total Intake (B.Tech+MCA+MBA)	990
Total Eligible students	877
No. of companies	50
Total No. Offers	888
Total No. of Individual Students having offer	636
Total No. of Double offers	252
Average CTC (in LPA)	6.25*
Highest Package	1.0 Cr

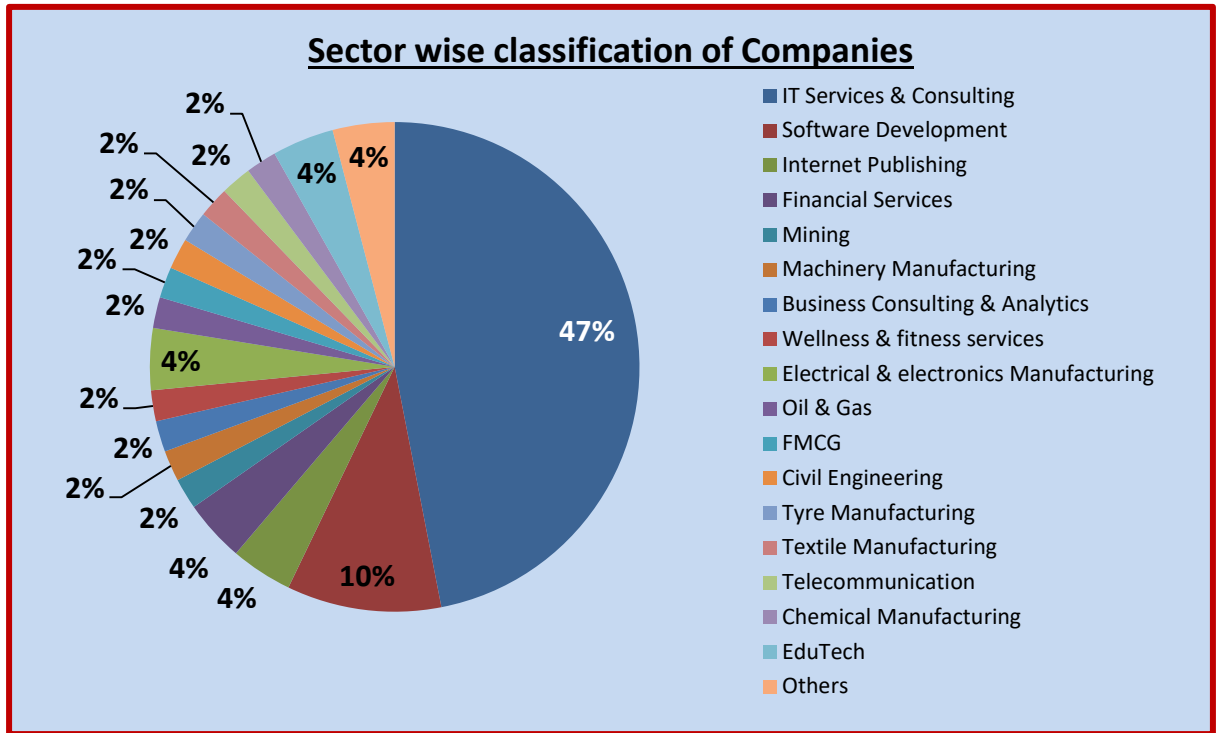
— **Highest Package of Rs 1.0 Cr & Rs 40.0 LPA is not included while calculating Average Package*

	Total Number of Offers	Total No. of Students with offer	Total No. of double offers
	888	636	252
% of Eligible	101.2 %	72.5%	28.7%
% of Intake	89.6%	64.2%	25.4%

Placements Record of Last 04 Years (On Campus Only)

Graduating Year -->	2019	2020	2021	2022 (Ongoing)
Total Intake (B.Tech+MCA+MBA)	930	930	930	990
Total Eligible students	746	734	682	877
No. of companies	40	25	27	50
Total No. Individual students placements	560	470	450	636
In %age out of Eligible	75.07%	64.03%	65.9%	72.5%
%age out of Intake	60.22	50.54	48.9	64.2%
Average CTC (in LPA)	5.0	5.1	5.19	6.25*
Highest Package	12.0 LPA	14.35 LPA	10.0 LPA	1.0 Cr

**Highest Package of Rs 1.0 Cr & Rs 40.0 LPA is not included while calculating Average Package*



Company wise list (2022 Graduated Batch)

S.No.	Name of Company	Package	Course: B.E./B.Tech/ M.Tech/ MCA/ MBA	Number of Offers
1.	Prime Lab, New York	Rs 1.0 Cr	B.Tech	01
2.	Microsoft	Rs. 40.0 LPA	B.Tech	01
3.	Infosys	Rs. 3.6 LPA	B.Tech/M.Tech/MCA	114
	Infosys	Rs. 6.25 LPA		03
	Infosys	Rs. 8.0 LPA		01
4.	TCS Ninja	Rs. 3.6 LPA	B.Tech/MCA	106
	TCS Digital	Rs. 7.5 LPA		04
5.	Bajaj Finserv Ltd.	Rs. 12.0 LPA	B.Tech	01
6.	LTI (L&T Infotech)	Rs. 5.0 LPA	B.Tech	02
	LTI (L&T Infotech)	Rs. 6.5 LPA		16
	LTI (L&T Infotech)	Rs. 8.0 LPA		02
7.	Kloudspot	Rs. 7.5 LPA	B.Tech/MCA	07
8.	Wipro	Rs. 3.5 LPA	B.Tech	160
9.	Acuity Knowledge	Rs. 6.0 LPA	B.Tech/MCA	03
10.	SimplyfyVms	Rs. 8.0LPA	B.Tech	05
11.	Persistent	Rs. 4.71LPA	B.Tech	42
	Persistent	Rs. 7.5LPA		02
	Persistent	Rs. 9.0LPA		01
12.	Josh Technologies	Rs. 9.8LPA	B.Tech/MCA	0
13.	Newgen (Software Engineer)	Rs. 4.71LPA	B.Tech	12
14.	Capillary Technologies	Rs. 6.0LPA	B.Tech/MCA	06
	Capillary Technologies	Rs. 13.0LPA	B.Tech/MCA	02



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S.No.	Name of Company	Package	Course: B.E./B.Tech/ M.Tech/ MCA/ MBA	Number of Offers
15.	Fiftyfive Technologies	Rs. 5 to 6.0LPA	B.Tech/MCA	0
16.	Accenture	Rs. 4.5LPA	B.Tech/MCA	125
	Accenture	Rs. 6.5LPA		27
17.	AdmitKart	Rs. 10.7LPA	B.Tech/M.Tech/MCA/MBA	74
18.	Jaro Education	Rs. 6.6LPA	B.Tech/M.Tech/MCA/MBA	11
19.	CSG	Rs. 7.5LPA	B.Tech	04
20.	IndiaMart	Rs. 3.3LPA	MBA	08
21.	BirlaSoft	Rs. 3.6LPA	B.Tech/MCA	03
22.	Newgen (Application Engineer)	Rs. 3.6LPA	B.Tech	10
23.	Virtusa	Rs. 6.5LPA	B.Tech/M.Tech/MCA	02
24.	Novel Patterns	Rs. 4.2 LPA	B.Tech/MCA	0
25.	JSW	Rs. 5.0LPA	B.Tech	14
26.	Amazon	Rs. 25.0LPA	B.Tech	01
27.	Goldman Sachs	14.0 LPA	B.Tech/MCA	0
28.	Capgemini	3.8 LPA	B.Tech/M.Tech/MCA	04
29.	HP Inc	Rs. 3.6LPA	B.Tech/M.Tech/MCA	11
30.	LiuGong India	Rs. 3.2LPA	B.Tech/MBA	03
31.	Tiger Analytics	Rs. 8.5LPA	B.Tech	07
32.	RxLogix	Rs. 5.5LPA	B.Tech	16
33.	Parallel Wireless	Rs. 8.0LPA	B.Tech/M.Tech	0
34.	Atos Syntel	Rs. 3.5LPA	B.Tech/M.Tech/MCA	03
35.	Practo Technologies Pvt. Ltd.	Rs. 6.82LPA	B.Tech/MCA	11
36.	Nexturn Technologies	Rs. 3.5LPA	B.Tech/MCA	41
37.	CG Power	Rs. 4.5LPA	B.Tech/MCA	In process
38.	Cameron Schlumberger	Rs. 5.9LPA	B.Tech	In process
39.	Schneider Electric	Rs. 3.75LPA	B.Tech	0
40.	Godrej	Rs. 3.5 LPA	B.Tech	01
41.	IHP	Rs. 3.5LPA	B.Tech	07
42.	JK Tyre Industries Ltd.	Rs. 6.5 LPA	B.Tech	01
43.	Trident	Rs. 9.0 LPA	B.Tech/M.Tech/MCA	0
44.	Crompton Greaves (CG Power)	Rs. 5.0 LPA	B.Tech	In process
45.	Reliance JIO 5G	Rs. 4.75 LPA	B.Tech	In process
46.	Air Products	Rs. 5.0 to 7.0LPA	B.Tech	In process
47.	Impetus	Rs. 5.0LPA	B.Tech/MCA	03
48.	Jamna Auto	Rs. 3.0 LPA	B.Tech	In Process
49.	Tata Elxsi	Rs. 3.5 to 4.0	B.Tech/M.Tech	09
50.	Hexaware Technologies	Rs. 3.5 LPA	B.Tech	01
Total				888

**Sector-wise placement status**

(2022 Graduated batch)

Companies Visited Sector-wise	No. of Companies	No. of Offers
IT Services & Consulting	21	703
Software Development	5	43
Internet Publishing	2	9
Financial Services	2	4
Mining	1	14
Machinery Manufacturing	1	3
Business Consulting & Analytics	1	7
Wellness & fitness services	1	11
Electrical & Electronics Manufacturing	2	0
Oil & Gas	1	0
FMCG	1	1
Civil Engineering	1	7
Tyre Manufacturing	1	1
Textile Manufacturing	1	0
Telecommunication	1	0
Chemical Manufacturing	1	0
EduTech	2	85
Others	2	Total: 888

Branch-wise placement status

(2022 Graduated batch)

Branch	Total No. of Individual students having offers
Civil Engineering	47
Mechanical Engineering	59
Electrical Engineering	89
Electronics & Communication Engineering	109
Computer Science Engineering	115
Information Technology	54
Chemical Engineering	19
Bio Technology	02
Automobile Engineering	31
Electronics & Telecommunication Engineering	48
Master of Computer Application	37
Master of Technology	10
Master of Business Administration	15
TOTAL	636



Item 7: Review of conduction of full VIII semester internship/project data for 2022 Graduated batch

- The compiled internship placement data along with the analysis was presented before the House. It was observed that for the first time many students have got internship offers with good stipend.
- The House was informed that **research internship under the guidance of institute faculty** is also being offered from this year.

Summary

Internship/Project Report - 2022

Departments	Total No. of Students	No. of Student Internships	No. of Students opted for doing Project	No. of internships with <u>stipend</u>	Stipend Range (Per Month)
Automobile	64	61	03	10	3000/- to 20,000/-
Chemical	52	42	10	09	2,500/- 9,000/-
Civil	139	127	12	09	3000/- to 10,000/-
CSE	132	124	8	71	2000/- to 87,000/-
Electrical	139	127	12	20	2000/- to 25,000/-
Electronics	123	97	26	35	2,000/- to 30,000/-
Electronics & Telecom.	67	59	8	12	8,000/- to 50,000/-
IT	67	44	23	30	5000/- to 60,000/-
Mechanical	144	137	7	24	3000/- to 33,500/-
TOTAL	927	818 (88%)	109 (12%)	220 (27%)	

Classification based on type of study area/domain (software based/hardware based/product development/experimental work/testing work/case study) #

	Software based		Hardware based		Product development		Experimental work		Testing work		Case study	
	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %
Civil	09	6.47	0	0	02	1.44	93	66.91	10	7.19	25	17.99
Mech	40	28.1	08	5.6	24	16.9	13	9.1	32	22.5	25	17.6
Automobile	20	31.25	03	4.68	14	21.875	04	6.25	07	10.93	16	25
Electrical	64	45.71	07	05	-	-	3	2.14	01	0.7	65	46.4
Electronics	90	73.17	05	4.06	8	6.50	13	10.56	01	0.81	6	4.87
ET	33	51.56	01	1.56	08	12.5	10	15.62	02	3.12	10	15.62
CSE	131	99.24	01	0.76	100	75.76	11	8.33	01	0.76	20	15.15
IT	44	65.67	03	4.47	-	-	20	29.85	-	-	-	-
Chemical	6	11			25	47	12	23	08	15	2	4
Total	437		28		171		179		62		169	



Classification based on ‘relevance of outcomes’[#] to society/industry/R&D

	Society		Industry		R&D	
	Number of students	In %	Number of students	In %	Number of students	In %
Automobile	09	14.06	52	81.25	03	4.68
Mechanical	20	14	105	73.9	17	11.9
	29 (15%)		157 (75%)		20 (10%)	

Classification based on type of industry (PSU/Govt. organization/academic institute/research organizations/start-up/MNCs etc.)												
	PSUs		Govt. organization		Academic institutes		Research organization		Private Organization/ Start up		MNCs	
	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %	Number of students	In %
Civil	0	0	81	58.27	10	7.19	00	0	48	34.53	0	0
Mechanical	12	8.45	7	4.93	14	9.86	2	1.41	11	7.75	96	67.71
Automobile	0	0	6	9.37	2	3.125	0	0	01	1.56	55	85.06
Electrical	9	6.87	24	18.32	-	-	-	-	47	35.87	51	38.93
Electronics	2	1.62	1	0.81	10	8.13	6	4.87	52	42.27	26	21.13
ET	1	1.5	4	6.25	07	10.93	01	1.5	39	60.93	10	18.75
CSE	0	0	1	0.76	8	6.06	21	15.31	62	46.97	40	30.30
IT	-	-	1	1.49					5	7.46	37	55.22
Chemical	3	6	4	8	12	22	1	2			33	62
Total	27(3.6%)		129(17%)		63 (8.3%)		31(4%)		265 (35%)		293 (38.6%)	

— It was suggested by Dr. Nameesh Miglani that a detailed “**Internship Project Calendar**” with definite timelines and clear assessment guidelines be prepared and circulated.



Item 8: Conversion of VIII semester internship offers into job placements

— The impact of internship on job placements was analysed and the details were presented as follows:

Companies offered 4 to 6 Months Internship + Job offer (2022 Graduated Batch) through T&P Cell

S.No.	Name of Company	No. of Internships Offered	Number of Job Offers	Package
1	Infosys	37*	114	Rs. 3.6 LPA
	Infosys		3	Rs. 6.25 LPA
	Infosys		1	Rs. 8.0 LPA
2	Bajaj Finserv Ltd.	1	1	Rs. 12.0 LPA
3	Kloudspot	7	7	Rs. 7.5 LPA
4	Wipro	50*	160	Rs. 3.5 LPA
5	Acuity Knowledge	3	3	Rs. 6.0 LPA
6	SimplyfyVms	5	5	Rs. 8.0LPA
7	Persistent	42	42	Rs. 4.71LPA
	Persistent	2	2	Rs. 7.5LPA
	Persistent	1	1	Rs. 9.0LPA
8	Newgen (Software Engineer)	12	12	Rs. 4.71LPA
9	Capillary Technologies	6	6	Rs. 6.0LPA
	Capillary Technologies	2	2	Rs. 13.0LPA
10	AdmitKart	74	74	Rs. 10.7LPA
11	Jaro Education	11	11	Rs. 6.6LPA
12	CSG	4	4	Rs. 7.5LPA
13	IndiaMart	8	8	Rs. 3.3LPA
14	BirlaSoft	3	3	Rs. 3.6LPA
15	Newgen (Application Engineer)	10	10	Rs. 3.6LPA
16	Virtusa	2	2	Rs. 6.5LPA
17	JSW	14	14	Rs. 5.0LPA
18	Amazon	1	1	Rs. 25.0LPA
19	Capgemini	4	4	3.8 LPA
20	HP Inc	11	11	Rs. 3.6LPA
21	LiuGong India	3	3	Rs. 3.2LPA
22	Tiger Analytics	7	7	Rs. 8.5LPA
23	RxLogix	16	16	Rs. 5.5LPA
24	Parallel Wireless	0	0	Rs. 8.0LPA
25	Atos Syntel	3	3	Rs. 3.5LPA
26	Practo Technologies Pvt. Ltd.	11	11	Rs. 6.82LPA
27	Nexturn Technologies	41	41	Rs. 3.5LPA
28	Godrej	1	1	Rs. 3.5 LPA
29	IHP	7	7	Rs. 3.5LPA
30	JK Tyre Industries Ltd.	1	1	Rs. 6.5 LPA
31	Impetus	3	3	Rs. 5.0LPA
Total		403	594	

- 403 Internships were offered along with Job offers

- Off campus Internship + Job Offers were 10+ (Approximately). Exact data is getting collected in Exit Survey.

*Internship was offered to many of the selected students, however many of them have not joined in that company.



Item 9: To review the conduction of faculty feedback exercise through the IMS mechanism

- **Computation of FFI and subsequent actions taken for improvement in T-L-E process is one of the best practices at MITS being followed since last 5 years, w.e.f. session 2017-2018.**
- **This practice was initiated by the IQAC and its implementation is constantly reviewed by the IQAC and improved from time to time.**
- Initially, the FFI was computed using Google forms. Though the process was generally successful and was anonymous there were some lapses. The feedback links were transferable and could be sent to students other than those who were taking the course.
- Then feedback was conducted through the MOODLE account of the faculty. This system was very successful, only those students who were registered for a particular course could take part in this process after logging in to their MOODLE accounts. Though, the system was quite fool-proof, there was a scope of adding students of a different class and/or deleting some unpleasant responses/comments by the students.
- The IMS based system removes the anomalies and discrepancies which were present in the previous two modes of conduction of faculty feedback and computation of Faculty Feedback index (FFI), twice a semester.
- **All these anomalies have been now removed in the present IMS based feedback system and the roles of faculty/feedback coordinator/HoD/Admin are clearly defined. There is no manual intervention as all the data is system generated.**

The activity was successfully conducted on 7th -8th May 2022, FFI was computed very efficiently and the following reports were generated automatically:

- Individual faculty feedback: All questions/metrics showing number of students based on their rating given to faculty in each of the five levels (from 'below average' to 'excellent'), QV for each metrics and the average FFI
- Department Summary giving average FFI of each faculty, average % response of the department and the average DFI (Departmental feedback index)



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Report

on

The first Faculty Feedback Process through the institute IMS

For

II, IV & VI semester students

On

7th & 8th May 2022

This system removes the anomalies and discrepancies which were present in the previous two modes of conduction of faculty feedback and computation of Faculty Feedback index (FFI), twice a semester.

Initially, the FFI was computed using Google forms. Though the process was generally successful and was anonymous there were some lapses. The feedback links were transferable and could be sent to students other than those who were taking the course.

Then feedback was conducted through the MOODLE account of the faculty. This system was very successful, only those students who were registered for a particular course could take part in this process after logging in to their MOODLE accounts. Though, the system was quite fool-proof, there was a scope of adding students of a different class and/or deleting some unpleasant responses/comments by the students.

All these anomalies are removed in the present IMS based feedback system and the roles of faculty/feedback coordinator/HoD/Admin are clearly defined. There is no manual intervention as all the data is system generated.

The activity was successfully conducted on 7th -8th May 2022, FFI was computed very efficiently and the following reports were generated automatically:

1. Individual faculty feedback: All questions/metrics showing number of students based on their rating given to faculty in each of the five levels (from 'below average' to 'excellent'), QV for each metrics and the average FFI
2. Department Summary giving average FFI of each faculty, average % response of the department and the average DFI (Departmental feedback index)

After the analysis, some modifications are proposed and small errors pointed out as follows:



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- Information about the registered students should be a 'manual entry' field to cater to the flexible requirements of DEs, OCs etc.
- The course category (OC/DE/DC/MAC etc.) must also appear in the report, along with the course title.
- In the department summary page, there is spelling error (in "Average Response" at 2 places) to be corrected.
- On individual faculty feedback page "The name of the department" field has not been filled. This lapse must be pointed out to the concerned to whom this task was assigned.
- After the FFI-I and FFI-II are computed, the report of faculty deserving appreciation or requiring improvement need to be generated (based on the criterion defined/updated from time to time by the IQAC of the institute) for removing manual intervention completely from this important process.
- Title can be added to the department summary page as "Department Summary)
- The 'ATR generation' feature can be added in the HoD role so that the faculty wise ATR can be generated by selecting the relevant/specific comments from the students.
The following format can be used

Name of faculty*	Sample specific comment(s) seeking attention*	Sample specific comment(s) seeking appreciation*	Action Taken#

* to be selected by the HoD from data

to be inserted by the HoD

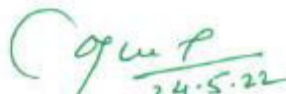
- There were some errors by specific departments (in selecting students in OC courses etc. resulting in separate entries for the same course) for which necessary training has already been given.


23/5/2022
Dr. Manjaree Pandit
(Dean Academics)

Submitted for information & necessary action

Comments may be informed
to Dr. R.R. Makwana / Shri Atul
Chauhan and Prof. P. Sharma
for inclusion by CRISP at
the earliest.

Dr. R.K. Pandit
(Director)


24.5.22




Item 10: Appreciation based on feedback on teaching-learning (Session-Jan to June, 2022)

- The institute follows a practice of issuing appreciation letters to faculty members based on the feedback received from the students, based on FFI-I and FFI-II both being greater than 4 and responses being greater than 50%, both times.
- During the January-June 2022 session, out of 211 courses being offered to **II and III year students**, faculty members have received appreciation for **twenty-five (25) courses (12%)**
- During the January-June 2022 session, out of 223 courses being offered to **I year students**, faculty members have received appreciation for **thirteen (13) courses (5.8%)**. Only one faculty member was issued letter for improvement.

FEEDBACK APPRECIATION LETTER SUMMARY

Jan-June 2019	July-Dec 2019	Jan-June 2020	July- Dec 2020	Jan-June 2021	July-Dec 2021	Jan-June 2022
61	51	23	13+31 (44)	24+15 (39)	30+42 (72)	25+13 (38)

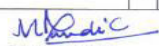
First Year, Second Semester


Madhav Institute of Technology & Science
 Race Course Road, Gole ka Mandir, Gwalior, M.P.-474005
 (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Faculty Feedback Appreciation / Improvement Report (Feedback I Dated : 07/05/2022 & Feedback II Dated : 11/06/2022)

Programme Name : **B.Tech**


Department	S. NO	Faculty Name	Subject code	Subject Name	Se m	Resp onse- I(%)	FFI- I	Respo nse-II (%)	FFI- II	Avg FFI	Comments
Civil Engineering	1	SANJAY TIWARI	100020	Basic Civil Engineering and Mechanics	2	73.56	4.00	80.46	4.06	4.03	Appreciation
	2	GAUTAM BHADORIA	110211	Building Planning and Design	2	78.49	4.30	79.57	4.39	4.35	Appreciation
	3	HEMANT SHRIVASTAVA	100020	Basic Civil Engineering and Mechanics	2	83.78	2.55	87.74	2.63	2.59	Improvement
Electrical Engineering	4	VISHAL CHAUDHARY	100022	Basic Electrical and Electronics Engineering	2	83.61	4.40	84.55	4.41	4.41	Appreciation
	5	VIJAY BHURIA	100022	Basic Electrical and Electronics Engineering	2	83.78	4.03	87.74	4.17	4.10	Appreciation
	6	SAURABH KUMAR RAJPUT	100022	Basic Electrical and Electronics Engineering	2	61.19	4.55	52.24	4.59	4.57	Appreciation
	7	RAHUL SAGWAL	130211	Engineering Materials	2	60.45	4.14	52.99	4.28	4.21	Appreciation
Internet of Things (IOT) (Offered by Information Technology Department)	8	DHANANJAY BISEN	240203	Object Oriented programming and Methodology	2	73.44	4.01	51.56	4.01	4.01	Appreciation
MATHEMATICS AND COMPUTING	9	DIVYA CHATURVEDI	250106	Probability and Random Process	2	85.50	4.12	60.31	4.15	4.14	Appreciation
Mechanical Engineering	10	VEDANSH CHATURVEDI	100014	Engineering Graphics	2	66.67	4.57	77.78	4.65	4.61	Appreciation
	11	JYOTI VIMAL	100021	Basic Mechanical Engineering	2	72.95	4.41	80.49	4.48	4.45	Appreciation
	12	HARBHAJAN AHIRWAR	100021	Basic Mechanical Engineering	2	61.19	4.22	52.99	4.11	4.17	Appreciation
	13	DINESH KUMAR RATHORE	120211	Material Science	2	88.64	4.40	88.64	4.49	4.45	Appreciation
	14	DINESH KUMAR RATHORE	190211	Material Science	2	77.78	4.40	77.78	4.65	4.63	Appreciation


 Dean Academic
 Date **23/6/2022**

DIRECTOR

The appreciation/improvement summary of I year. has been generated through the IMS. Total 223 Courses were offered. It is recommended that the above 13 faculty members be given appreciation letters and 01 faculty must be asked to improve.

submitted for permission.

Submitted 
 Director
 23.6.22

**II & III year, IV & VI semesters****FEEDBACK SUMMARY OF ONLINE/OFFLINE BLENDED MODE CLASSES**

(Session - January to June, 2022)

FACULTY FEEDBACK SUMMARY COVER PAGE (II & III YEAR BOTH FFI)
[(Online FFI I on MOODLE (II & III Year (February 2022)) and FFI II on IMS Portal (II & III Year (May 2022)))]

Appreciation						
Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Civil Engineering						
Dr Jayvant Choudhary	110413	Transportation Engg	B.Tech/IV	4.68	4.39	4.54
Mechanical Engineering/Automobile Engineering						
Utkarsh Shrivastav	120411	Theory of Machine-II	B.Tech/IV	4.18	4.40	4.29
Dr. Harbhajan Ahirwar	120412	Design of M/c Element (ME-B)	B.Tech/IV	4.40	4.30	4.35
Dr. Surendra Kumar Chourasiya	120413	Metal cutting and machine tools	B.Tech/IV	4.50	4.62	4.56
Dr. M.K. Gaur	120414	Engineering Thermodynamics (ME-A)	B.Tech/IV	4.01	4.24	4.13
Dr. Aashish Agrawal	120414	Engineering Thermodynamics (ME-B)	B.Tech/IV	4.16	4.18	4.17
Vaibhav Shivhare	120611	Vibration and noise controll	B.Tech/VI	4.09	4.18	4.14
Sharad Agrawal	190614	Automotive Component Design	B.Tech/VI	4.47	4.65	4.56
Electrical Engineering/EE(IOT)						
Dr. Ankit Tiwari	220403	Power Electronics (EE(IoT))	B.Tech/IV	4.30	4.29	4.30
Prof. Nikhil Paliwal	130611	Computer Aided Power System Analysis	B.Tech/VI	4.44	4.35	4.40
Dr. Ankit Tiwari	900103	Energy conservation & management	B.Tech/VI	4.41	4.44	4.43
Electronics Engineering/ET						
Prof. D.K. Parsediya	140413	Analog Communication	B.Tech/IV	4.31	4.51	4.41
Chemical Engineering						
Swati Gupta	170412	Instrumentation & Process Control	B.Tech/IV	4.20	4.44	4.32
Swati Gupta	170413	Mechanical Design of Process Equipments	B.Tech/IV	4.22	4.24	4.23
Rakesh Kumar Dubey	100004/100009	Cyber Security	B.Tech/IV	4.08	4.31	4.20
Anish P. Jacob	170601/170602	Process Modeling & Simulation	B.Tech/VI	4.27	4.06	4.17
Dr. Rakesh K. Dubey	170611	Process Equipment Design	B.Tech/VI	4.30	4.52	4.41
Dr. Shourabh S. Raghuwanshi	100007	Disaster Management	B.Tech/VI	4.20	4.06	4.13
Dr. Rakesh K. Dubey	900109	Fuels & Combustion	B.Tech/VI	4.05	3.96	4.01
Information Technology/IT(IOT)/IT(AIR)						
Abhishek Dixit	160601	Compiler Design	B.Tech/VI	4.17	4.10	4.14
Punit Kumar Johari	160602	Computer Networks	B.Tech/VI	4.07	4.05	4.06
Prof. Neha Bhardwaj	230405/240405	Network & Web Security	B.Tech/IV	4.24	4.07	4.15



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Name of Faculty	Subject Code	Subject Name	Class/ Semester	Feedback - I	Feedback - II	Average
Mathematics and Computing						
Dr. D. K. Jain	250401	Transform & Vector Calculus	B.Tech/IV	4.39	4.59	4.49
Prof. Prabhakar Sharma	250402	Database Management System	B.Tech/IV	4.51	4.59	4.55
Prof. A.S.Ojha	100003	Engineering Mathematics-III (ME)	B.Tech/IV	4.17	4.09	4.13

Compiled by - *Rajni*
Mrs. Rajni Sharma
(Dean Academics Office)

M. Manjaree
07/06/2022
Dr. Manjaree Pandit
(Dean Academic)

R.K. Pandit
7.6.22
Dr. R.K. Pandit
(Director)

2/2.



Item 11: To report action taken on specific student comments received during the feedback process

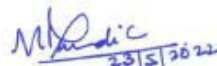
- The comments received from the students as well as the Faculty Feedback Index (FFI) is communicated to the faculty in a one to one meeting with the HoD.
- Significant comments are compiled at the central level also for monitoring the teaching-learning process and for taking actions accordingly.
- Specific comments were discussed in the meeting of HoDs and Deans with the Director.

Note

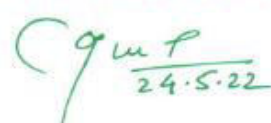
Summary of specific student comments (IMS feedback on 7th - 8th May 2022) by II, IV & VI semester students (EC, ET,IT,IT-IoT, AIR, AI&ML, AI&DS, MAC, CE, CHEM)

- Students want more practical examples, coding if possible
- In CSE/IT branches students want more skill/coding courses rather than purely theoretical ones, like "Software Engineering", for example. Some want that laptops should be permitted in theory classes also, in short better linking between theory & lab classes.
- Previous year question papers and their solutions to be made available
- Timely sharing of PPTs & study material on MOODLE
- Regular quiz conduction
- Students prefer on line classes in many courses some feel that there is better. Time management in on-line classes.
- Students want group projects for enhancement of skills.
- Notes should not be dictated in class as far as possible. Notes must be shared after/before class on MOODLE.
- More information is available on Youtube than what is given by teachers in class.
- Students have expressed concern over course coverage and evaluation/copy checking.
- Students want that the mid-semester questions to be discussed in class.
- Some students feel that OCs are a waste of time as they will not need it in future.
- Students prefer practical examples rather than lengthy derivations.
- It will be good if practicals are included, for example, on "how to work with cloud platforms like google cloud, amazon AWS, MS azure etc.

Sometimes the comments are contradictory. In such cases, the concerned faculty and HoD must decide the course of action or talk to students in a formal or informal short meeting.


20/5/2022
Dr. Manjaree Pandit
(Dean Academics)

submitted for information

~~Director~~ *seen, to be discussed in next HoD's meeting*

24.5.22



Item. 12: Examination Conduction Report (May-June 2022) and steps to be taken for quality assurance

- The Phase-I of examination was from 12/05/2022 to 04/06/2022
- The Phase-II was from 13/06/2022 to 16/06/2022
- **For the first time in April-May 2022, the Examination was conducted in offline, in three modes, PP, A+O and MCQ.**
- Based on the first experience of examination conduction, the following report is prepared so that actions for quality enhancement of end-term evaluation can be planned.
- The report was prepared by Dr. C.S. Malvi, Professor & I/c Examination conduction team.
- A committee has been constituted to review and recommend the suggestions given in the report.



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Examination Jan-June 22: A report

REPORT FROM THE EXAMINATION CONDUCTION TEAM

Summary of Examination Conduction (May-June 2022)

(From 12/05/2022 to 04/06/2022)

Total number of days	Total number of invigilators involved	Minimum number of invigilation duties per faculty	Maximum number of invigilation duties	Average number of invigilation duties per faculty
21	131	05	18	07

Difficulties encountered and solutions implemented for conduction of April-May 2022 Examination for the first time, offline, in three modes, PP, A+O and MCQ

- Limited resources**
 - Only 340 PCs are available for conducting MCQs based papers, therefore exam had to be conducted in 2 to 4 shifts.
 - A few times examinees were unaware about postpone or prepone of exam but they all were well accommodated in other shifts.
 - It is recommended that Chrome book may be procured to conduct these type of exam. A chrome book with good battery backup can cost about ₹. 15000/-. So exam can be conducted in Seminar Halls.**
- Power issues**
 - DG set was always ready but due to overload it gets tripped, therefore several times requests were made to all to keep their ACs off.
 - PCs frequently get improper shut down, and there is no other option but to wait. Therefore, Exam time was increased, many times.
- Intranet and Internet**
 - Examinee cannot access internet during exam therefore PCs were set either on Safe Browser or non-proxy settings.
 - Though, proxy setting can be accessed from any other labs too therefore Password was only supplied to Invigilators.
- Confidentiality Issue**

Examinees know who has set the paper as they access 'Paper Setter's MOODLE, therefore, it is recommended that 'Subject' page should be displayed or 'name of the examiner' can be hidden.
- Layout Problems**

PCs are kept in lab in teaching and demonstration layout so they can see each-other's screen. To counter this, invigilation was strict, also questions have randomisation. However, it is recommended that 'Cardboard Partition' may be used between the two PCs.



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Examination Jan June 22: A report

6. MCQ setting on MOODLE

- a. Some Questions were having 'error display' due to copy-pasting images as links, therefore paper setter were trained to follow correct method.
- b. **Some PCs were old and having display problem therefore figures had to be drawn on board or Print-outs were circulated in the hall.**
- c. Also, to face display problem, Paper setter was always in contact to rectify the same.

7. Invigilation duty

- a. **In MCQ exam, invigilation is not only vigilance job but technical support is required, therefore faculty Technical Assistants were also assigned to MCQ exam halls in association with Faculty invigilator.**

8. Link and Password

- a. **There are numerous types of papers so providing an examinee with the correct link with appropriate password was quite challenging.** However, both (link and PW) were submitted to the Exam Controller in sealed envelopes. Only few times the conduction team had to coordinate with controller, Paper Setters and Invigilators.

9. Attendance

- a. **Examinee used to finish the MCQ with 30 minutes and ask to leave, till then physical attendance sheets were not ready.** However, no one was allowed to leave until 1 hr, but to attempt 50/60/70 MCQ in 2 or 3 hours are more than enough. **Therefore, it is recommended that number of MCQ questions and time allowed should be balanced.**
- b. **Also, if chrome books are procured then the Seminar Halls can also be used.**

10. Parallel Engagement of classes

- a. **As classes of First year were also running in parallel therefore following day's MCQ room occupation was displayed in 'MITS Official' whatsapp group.**
- b. **Sometimes after classes PC setting was changed therefore technical team was instructed to be vigilant.**

11. UFM cases

- a. Examinees many times presented excuses that they forgot the login id and password, **therefore advanced notices and constant reminders were circulated among them.**
- b. **In few cases students were 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 cancelled.** And exam cannot have 'valuer report'. Therefore, conduction team was strict and no mobile was allowed. **However, it is recommended that some rules can be formed for UFM in MCQ exam.**
- c. **Old and New MOODLE problems were rectified by enrolling in both MOODLES.**



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Examination Jan-June 22: A report

12. Last time enrolment

- Students were either not registered or getting last minute permissions to appear in examination, so their seat was not in the available seating plan; therefore always some vacancies for such cases were kept in the plan.
- In case of MCQ they have to get enrolled on respective paper setter MOODLE; therefore, paper setter was always in contact.

13. ACs problems in Lab

Most of the ACs were tripping due to peak summer and no fan is fitted in the lab therefore, due to lack of air circulation, there was suffocation in many halls. However, many ACs were repaired after complaints were received.

Note: All three modes; PP, A+O and MCQ were conducted well and smoothly however some difficulties encountered well resolved in good manner by using efficiency of experienced Exam conduction team and Exam Cell.

- This report was received from Dr Malvi, the I/c Exam Conduction, May-June 2022 on June 2nd. through mail.
 - The second phase of examination (NPTEH ~~at~~ institute level) are from 10th - 16th June 2022.
 - The recommendations are highlighted. This was the first time ^{that} exams in 3 modes were conducted, offline, smoothly.
 - These observations can help in improving the system further.
- submitted for information & action, if any.

M. P. Paudyal
08/06/2022.

Director

A committee of following is constituted to review the report and put down the suggestions for implementation of smooth examination in the next semester.

1. Dr. Mangaraj Paudyal
2. Dr. Akhilesh Tiwari
3. Dr. R.R. Makwana
4. Smt. Atul Chauhan

guc p
8.6.22



Item. 13: Report on computation of Administrative Efficiency Index (AEI) for January-June 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 December 2020 and January-June 2021 are compared.
- A total of **71 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**

Duration	Civil	Mech & Auto.	Elect / IOT	Elex & ET	CSE	IT/ IOT/ AIR	Chem	MAC	Humanities	Arch	MBA
January to June 2020	6.16	5.71	6.94	7.13	8.87	.....	5.70	.....	5.14	4.06	....
July to December 2020	7.76	6.76	8.46	9.11	8.49	.....	7.72	.....	4.56	5.76	...
January 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 December 2021	6.16	7.54	8.51	8.48	7.51	8.56	7.53	8.25	6.67	6.72	7.58
January to June 2022	6.27	6.68	7.52	8.52	8.15	7.01	5.21	6.23	5.60	5.82	5.64

The full report is enclosed as Annexure- I.



Item 14: To apprise the house about Counselling sessions conducted by the institute Counsellor

— The counsellor conducts regular sessions as well as individual counselling. The details are maintained in the files of the counselling cell. A summary is presented here for the IQAC to review.

<u>Summary of Counselling Sessions for the First & Second Year Students</u>			
<u>Date</u>	<u>Branch</u>	<u>Time</u>	<u>Number of Students</u>
27.12.2021	AIR (Artificial Intelligence & Robotics)	3:00 PM to 4:00	32
	IT IOT (Internet of Things)		43
	Architecture	4:00 PM to 4:50	17
	Master of Computer Application	PM	40
28.12.2021	Automobile Engineering	3:00 PM to 4:00	11
	Chemical Engineering	PM	19
	Electrical Engineering (IoT)	4:00 PM to 5:00	48
	Engineering Mathematics and Computing	PM	42
29.12.2021	Computer Science and Engineering	3:00 PM to 4:00 PM	94
	Information Technology	4:00 PM to 5:00	42
	Master of Business Management	PM	40
30.12.2022	Civil Engineering	3:00 PM to 4:00 PM	101
	Electronics Engineering	4:00 PM to 5:00 PM	90
08.01.2022	Electrical Engineering	3:00 PM to 4:00 PM	90
	Electronics & Tele Communication	4:00 PM to 5:00	34
	Artificial Intelligence and Data Science	PM	50
10.01.2022	Mechanical Engineering	3:00 PM to 4:00 PM	84
	Artificial Intelligence and Machine Learning	4:00 PM to 5:00 PM	60
	Computer Science Design		
21.02.2022	Automobile Engineering	3:00 PM to 4:00	49
	Chemical Engineering	PM	
	Electrical Engineering (IoT)	4:00 PM to 5:00	32
	Engineering Mathematics & Computing	PM	
22.02.2022	Computer Science and Engineering	3:00 PM to 4:00 PM	41
23.02.2022	Civil Engineering	3:00 PM to 4:00 PM	72
	Electronics Engineering	4:00 PM to 5:00 PM	47
	Electrical Engineering		



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24.02.2022	Electronics & Tele Communication	3:00 PM to 4:00 PM	32
	Artificial Intelligence and Data Science		
25.02.2022	Mechanical Engineering	3:00 PM to 4:00 PM	79
	Artificial Intelligence and Machine Learning	4:00 PM to 5:00 PM	49
	Artificial Intelligence and Robotics	5:00 PM to 6:00 PM	49
	IT (IoT)		
Second Year			
31.01.2022	Artificial Intelligence and Robotics	5:00 PM to 6:00 PM	42
	IT (IoT)		
01.02.2022	Computer Science and Engineering	5:00 PM to 6:00 PM	69
02.02.2022	Master of Business Administration	2:00 PM to 3:00 PM	39
04.02.2022	Electrical Engineering (IoT)	5:00 PM to 6:00 PM	41
	Engineering Mathematics and Computing		
07.02.2022	Information Technology	5:00 PM to 6:00 PM	30
08.02.2022	Mechanical Engineering	5:00 PM to 6:00 PM	90
09.02.2022	Architecture	3:00 PM to 4:00 PM	32
	Electronics Tele Communication		
	Electrical Engineering		
10.02.2022	Automobile Engineering	5:00 PM to 6:00 PM	31
	Chemical Engineering		
11.02.2022	Civil Engineering	3:00 PM to 4:00 PM	69
26 th March,2022	Health & Hygiene, Girl's Hostel No.5 & 6		34
			87
9th April,2022	Mental Health: Self-Love		169
2nd march,22	Health & Hygiene: Importance of counselling sessions		367
30th April,2022	Mental Health: Stress during Exam		50
Individual Counselling sessions(offline)	3 rd Jan,2022 to till Date		349 (Staffs-4)
		Total	2961

[Details report enclosed Annexure-II](#)

Item 15: To review the evaluation mechanism of the Professional Development at Final Year level

—In the IQAC meeting on 8th October 2021, Item no 26, it was decided to enhance the involvement of students in academic and administrative bodies/committees of the



institution and give suitable weightage of the same in the 'Professional Development' component of 01/02 credits at the VIII semester.

- **Revised guidelines for the evaluation of Professional Development at VIII Semester were prepared and discussed in the House on 23.12.2021 vide Item No 12.**
- **The marks awarded to students were reviewed in the meeting and it was found that the evaluation mechanism was satisfactory.**

Revised Evaluation Format



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Madhav Institute of Technology & Science, Gwalior (M.P.)

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

STUDENT PROFESSIONAL DEVELOPMENT SHEET#

Name of Student:	Enrollment No.:
Department:	
Review Period : From _____ to _____	

PERFORMANCE FACTORS

Categories	Performance Indicators	Marks Assigned
Institute Level* (C1)	Participation in Institute level technical events such as quizzes, extemporary, debate, student volunteers, seminar, industrial visits, local chapters (IET, IEEE, ISTE, IETE) etc.	02 Marks for each participation (maximum 08)
State Level* (C2)	Participation in State level technical events, such as Robotics, Coding challenge, societal/social welfare activities, Cultural cum technical fest, technical symposium, volunteers, hackathon, sports etc.	03 marks for each participation (Maximum 09)
National level* (C3)	Participation in National level events such as hands on workshop, national level seminar, national conference, Entrepreneurship, model making, techno culture fest, national youth festival, research conclave, project competition, volunteers, sports festival, <i>Qualified GATE/CAT/ IIT-JAM/NET/SET/JRF/GATE/GMAT/CAT/ GRE/ and any other national level exam/etc.</i>	05 marks for each participation (Maximum 10)
Participation in Department Level committees (C4)	OBE coordinators, Members of Board of Studies, departmental placement committee, departmental alumni cell, Class representatives, any other relevant department committee (<i>Certificate will be issued from HoD/departmental coordinator</i>)	05 marks for participation (Maximum 05)
Participation in Institute Level committees (C5)	Institutional Placement cell as volunteers, Gender champions, Members of anti-ragging committees, Hostel mess committees, Office bearers in innovation and start-up cells, Club working committees, Student Mentors, Members of IQAC, any other relevant institute level committee (<i>Certificate will be issued from respective coordinator</i>)	06 marks for participation (Maximum 06)
MOOC's** (C6)	Successfully completed technical certification course in any MOOC's platform such as (NPTEL/SWAYAM/EdX/Coursera/Class Central etc.)	06 marks for each course (Maximum 12)

EVALUATION

Formula	Marks Scored (Maximum 50)
$(C1 \times 2 + C2 \times 3 + C3 \times 5 + C4 \times 5 + C5 \times 6 + C6 \times 6) =$	$=$

Signature of Class Coordinator

Signature of Head of the Department

Note. # The evaluation will be based on the participation of students from I-VIII semester.

* Student must produce a self-attested certificate as a proof for each activity and

** **Mandatory MOOCs against DE/OC and MOOCs which are claimed for earning additional credits for minor specialization/Honours will not be considered for this evaluation.**

A Sample of the evaluation procedure followed for 2020-2021 Graduating Batch



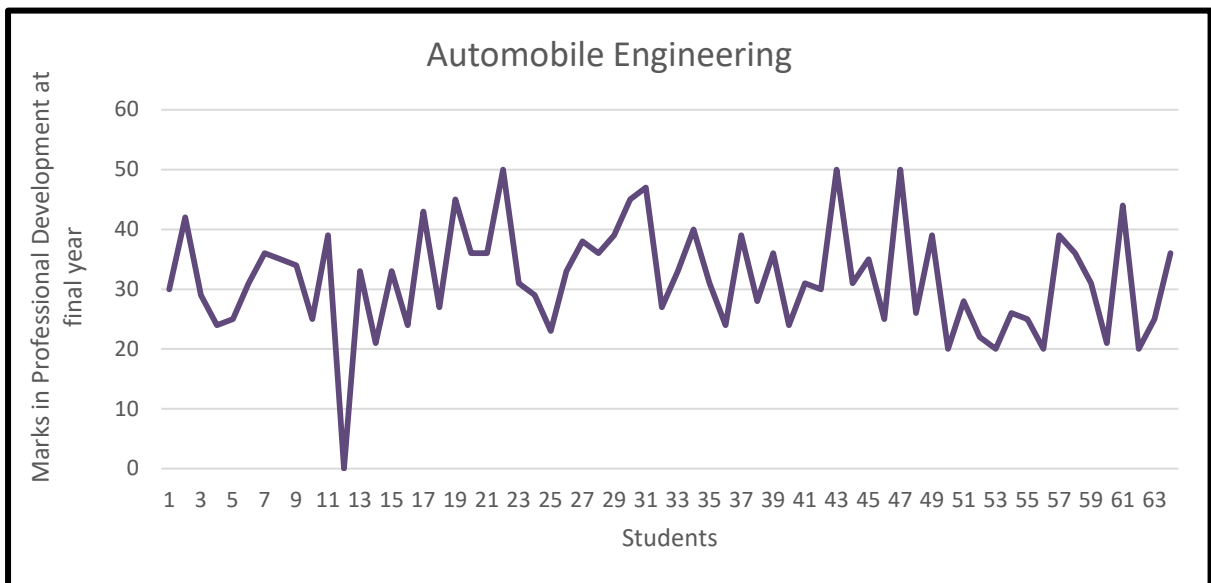
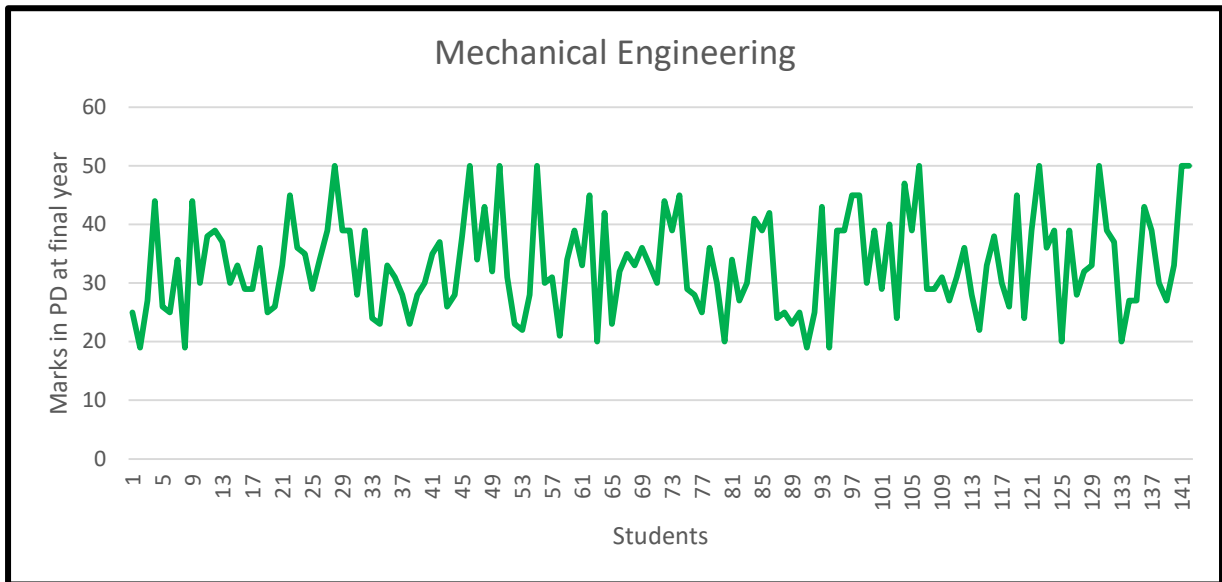
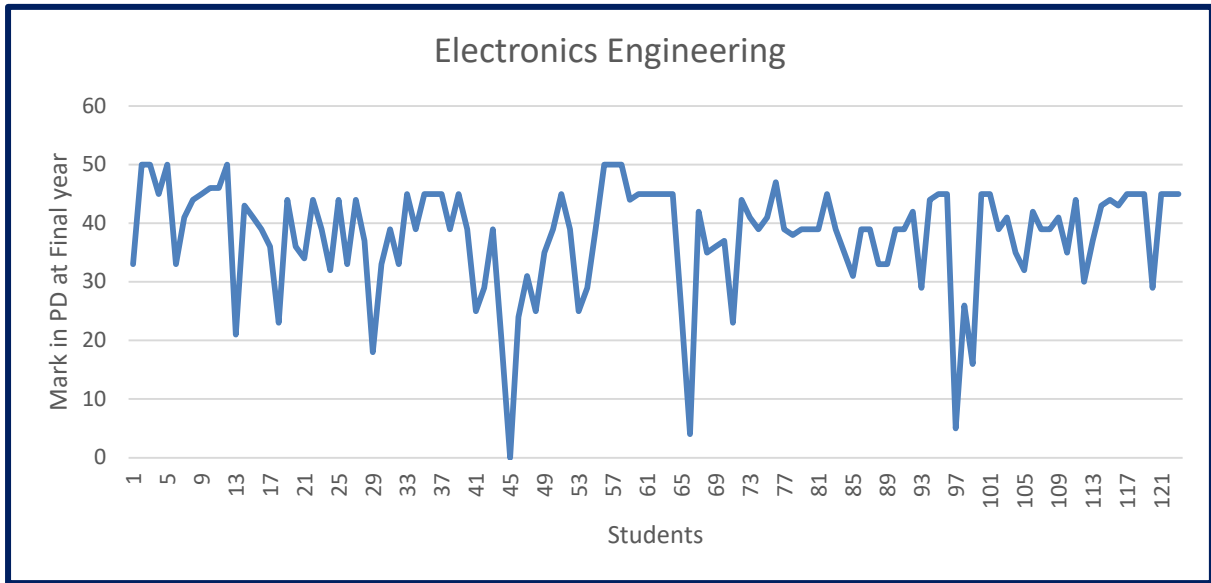
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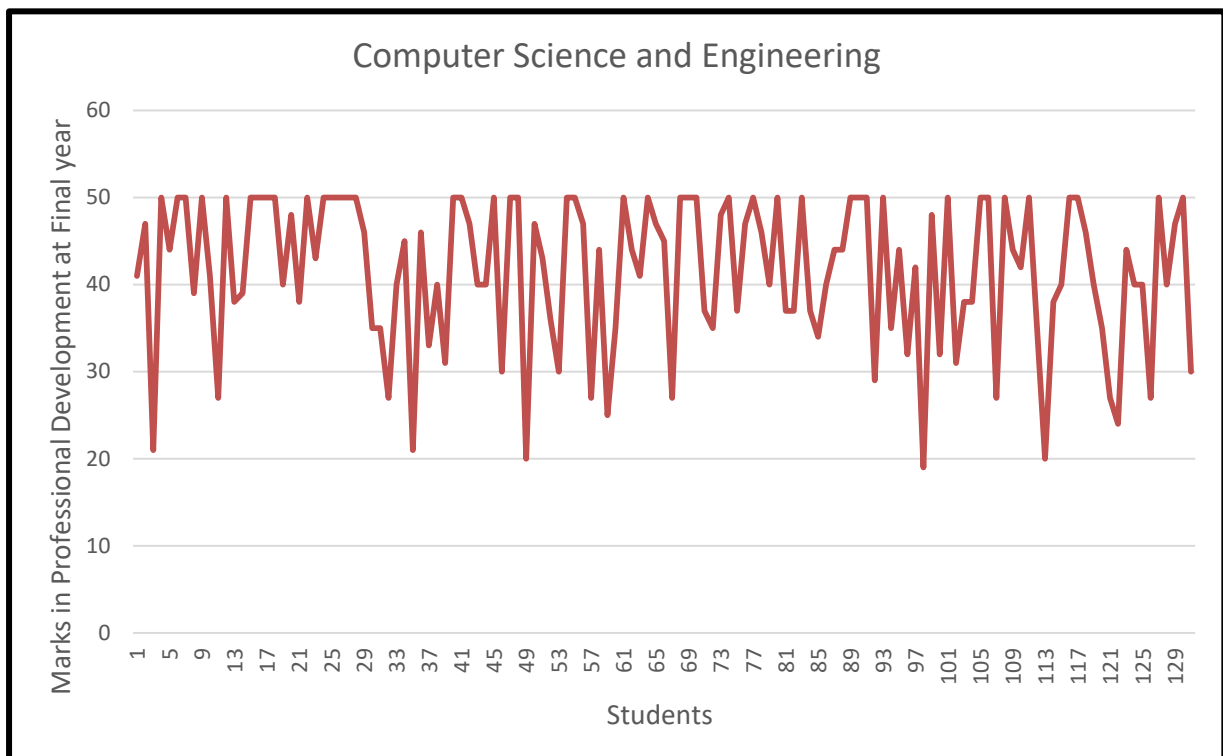
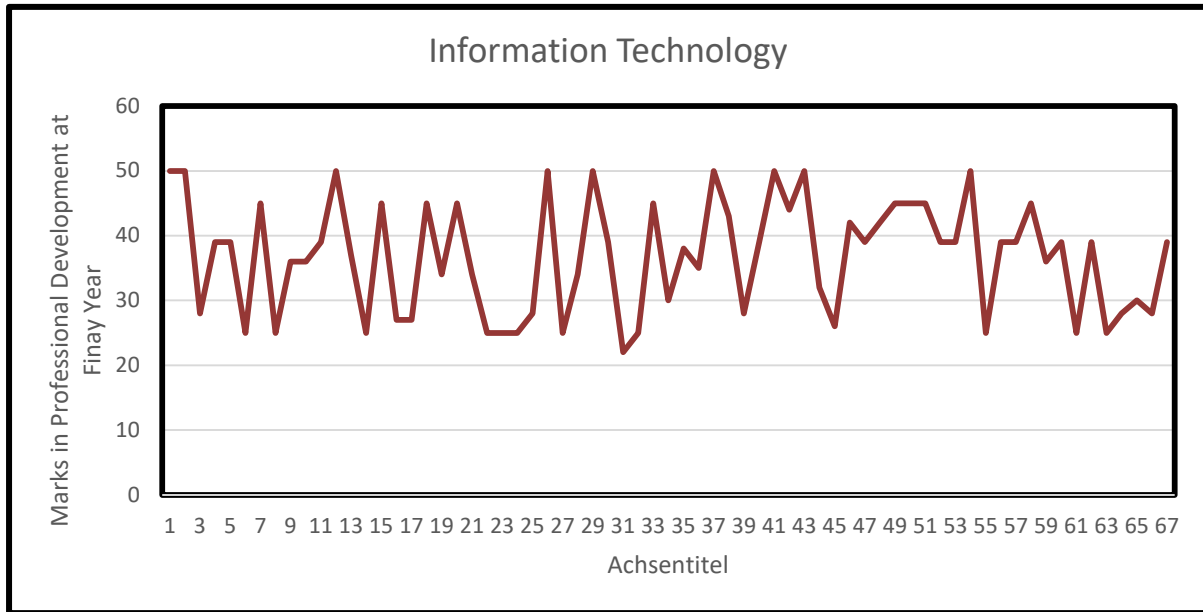
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PROFESSIONAL DEVELOPMENT COURSE(120802)									
VIII SEM-MECH ENGG									
S.No	NAME OF STUDENT	ENROLLMENT NO	C1X2	C2X3	C3X5	C4X5	C5X5	C6X6	TOTAL Marks(50)
1	Abhay Sharma	0901ME181001	2	6	5	0	0	12	25
2	Abhishek Garg	0901ME181002	0	3	10	0	0	6	19
3	Abhishek GUPTA	0901ME181003	2	3	10	0	0	12	27
4	Abhishek Kumar Vishwakarma	0901ME181004	8	6	10	5	0	12	44
5	Abhishekh sakre	0901ME181005	4	0	10	0	0	12	26
6	ADITYA MUDGAL	0901ME181006	4	0	0	0	15	6	25
7	Aditya Trivedi	0901ME181007	6	6	5	5	0	12	34
8	Akash Singh Baghel	0901ME181008	2	0	5	0	0	12	19
9	Akshat Suhane	0901ME181009	8	9	10	5	0	12	44
10	AMAN SINGH UIKEY	0901ME171012	8	6	10	0	6	0	30
11	Amit Gupta	0901ME171013	8	9	10	5	6	0	38
12	Anand Kushwah	0901ME181010	8	9	10	0	0	12	39
13	Aniket gupta	0901ME181012	6	9	10	0	0	12	37
14	Aniket Gupta	0901ME181011	8	6	10	0	0	6	30
15	Aniket Nimbhorkar	0901AU181008	8	3	10	0	0	12	33
16	Anirudh Mishra	0901ME181013	4	3	10	0	0	12	29
17	Anish Bangotra	0901ME181014	4	3	10	0	0	12	29
18	Ankit Ahirwar	0901ME181015	8	0	10	0	6	12	36
19	Ankit kumar mishra	0901ME193D03	0	3	10	0	0	12	25
20	Ankit Upadhyay	0901ME181016	6	3	5	0	0	12	26
21	Anmol Pandey	0901ME181017	8	9	10	0	0	6	33
22	Anuj Kumar singh	0901ME181019	8	9	10	0	6	12	45
23	Anurag Rajput	0901ME181020	8	6	10	0	0	12	36
24	Arihant Jain	0901ME181021	2	6	10	5	6	6	35
25	Arpit patel	0901ME181022	4	9	10	0	0	6	29
26	Ashish prajapati	0901ME181023	8	9	5	0	0	12	34
27	ASHISH SHARMA	0901ME181024	8	9	10	0	0	12	39
28	Ashutosh Kushwanshi	0901ME181025	8	9	10	5	6	12	50
29	Ashutosh Singh Kushwah	0901ME181026	8	9	10	0	0	12	39

Statistical Summary of marks awarded for Professional Development VIII Semester

S.No.	Department	Students	Total Score	Max score	Min score	Median	Mean
1.	Mechanical Engineering	142	4720	50	19	33	33.24
2.	Automobile	64	2031	50	00	31	31.73
3.	Electronics Engineering	123	4656	50	00	39	37.85
4.	Electronic & Telecommunication	65	2157	50	06	35	33.18
5.	Computer Science and Engineering	131	5457	50	19	44	41.65
6.	Information Technology	67	2462	50	22	39	36.74
7.	Chemical Engineering	54	1935	50	25	37	36.50
8.	Civil Engineering	140	5199	50	16	40	37.40
9.	Electrical Engineering	128	5485	50	33	43	42.85





- The IQAC statistically also reviewed the marking system, criteria and variation and it was found that the evaluation practice is being implemented in a satisfactory manner.
- However, it was observed that some students are not able to get good scores in this course.
- **It was suggested that department level activities can be conducted and students must be motivated to participate at National Level events for enhanced awareness and exposure.**

**Item 16: Initiative to conduct in-house ‘Skills Enhancement Program’ (SEP)-2022 for the pre-final year students**

- As a student support initiative, in-house internship modules were developed by the faculty members against the mandatory summer industrial internship for the pre-final year students.
- The module details and registration status was presented in the meeting as follows:

Skills Enhancement Program (SEP)-2022**Module wise Summary of Registered Students under SEP-2022**

S.No.	Modules	Department	No of students Registered
1	Architectural Graphics and Model Making	Architecture	38
2	Structural Design of a Two Story RC Building	Civil Engineering	18
3	Design analysis of grid-connected and off-grid system	Electrical Engineering	13
4	Hybrid Power Generation using Solar and Wind Energy: A Case Study of MITS Campus	Electrical Engineering	30
5	Computer Aided Control and Automation	Electronics Engineering	67
6	Robotics and Automation	Electronics Engineering	08
7	Programming in SCILAB	Electronics Engineering	24
8	Google Services	Information Technology	97
9	Deep Learning – Basics to Advance	Information Technology	95
10	Mechanical Engineering Recent Aspects and Applications	Mechanical Engineering	19
		<u>TOTAL</u>	<u>409</u>

Note: - Approximately 650+ students went for Internship from Industry



Item 17: New initiative of providing in-house Research Internship opportunity under institute faculty mentors for pre-final year students from June 2022

- The Dean academics informed about the initiative to offer internship under institute faculty.
- The idea behind this initiative is to promote students for research and prepare them to opt for “Degree with research” provision under NEP-2020, if they are able to write and publish papers during their final semester.
- The IQAC was informed about this new initiative in addition to the in-house internship opportunities under SIP-I, SIP-II and SEP, during this summer.
- The undergraduate students were given an opportunity to work with Professors of MITS Gwalior on similar Research Interests and ongoing Projects in the Department. Program is beneficial for Pre-final year B.Tech students.

Research Internship Program, MITS Gwalior

About Research Internship Program	
Faculty Mentors	A list of faculty mentors is published with their research interests from the various departments at MITS Gwalior, is displayed below, along with the list of faculty mentors/area of research interests . Interested students may select a faculty mentor depending on the match of their interests and of the faculty mentor. The scope of Internship/Training and number of contact hours can be decided with mutual consent of the faculty mentor of IIT Indore and the undergraduate student depending upon the nature of work.
Duration	45 Days (Can be extended depend on the nature of work)
Selection Procedure	MITS faculty members will do final selection on the basis of profile of students and interest level. Students will fill the application form online with all their details which will be shared with faculty members to share the best match for their research interests. Application form link to Apply: https://forms.gle/9Y63Hz52u4iQFQaa8
Last Date to Apply	10th June, 2022
Final Selection update	11th June, 2022
Internship Start Date	13th June, 2022
Certificate	An e-Certificate will be issued on the successful completion of the internship and submission of the report through faculty mentor of MITS Gwalior.

- **Total no. of Faculty offered Research Interns positions: 15**
- **Total no. of Faculty appointed Research interns: 09**
- **Total No of students appointed as Research Interns: 32**

**List of Faculty Members, their Areas of Expertise students under them**

S.No.	Faculty Member	Department	Broad Area of Research	No. of Students appointed as Research interns
1	Dr. M. K. Gaur	Mechanical Engineering	Thermal Comfort and Sustainability	00
2	Dr. M. K. Gaur	Mechanical Engineering	Solar Thermal System for Sustainable Built Environment	00
3	Prof. Madhav Singh	Electronics Engineering	Wireless Communication	11
4	Dr. Laxmi Shrivastava	Electronics Engineering	Wireless Networks	04
5	Prof. Praveen Bansal	Electrical Engineering	Designing and modelling of Shunt Active Power Filter	02
6	Prof. Saurabh Kumar Rajput	Electrical Engineering	Analyzing Rooftop Solar Photovoltaic Performance	02
7	Prof. Saurabh Kumar Rajput	Electrical Engineering	Energy conservation of Ring Frame Three Phase Induction Motor (RFTPIM) of Textile Industries	00
8	Dr. A. K. Wadhvani	Electrical Engineering	Digital image Processing	00
9	Prof. Bhavna Rathore	Electrical Engineering	Microgrid operation and control	01
10	Prof. Bhavna Rathore	Electrical Engineering	Design and development of IoT application using Arduino	04
11	Prof. Nikhil Paliwal	Electrical Engineering	Design and development of Intelligent Controllers for Optimal Power System Operation and Control	00
12	Dr Yashwant Sawle	Electrical Engineering	Economic analysis of hybrid renewable energy system	01
13	Prof. Kuldeep Kumar Swarnkar	Electrical Engineering	Online Condition Monitoring & diag. of fault in 3- Φ Induction	00
14	Prof. Deep Kishore Parsediya	Electronics Engineering	Antenna for wireless communication	00
15	Dr. Varun Sharma	Electronics Engineering	Nano Electronic Devices	
16	Dr. S. S. Jadon	Architecture & Planning	Urban conservation	03
17	Dr. Anjali S Patil	Architecture & Planning	Urban Planning (Smart cities)	02
18	Ar. Versha Sinhal	Architecture & Planning	Temple Architecture	02
			TOTAL	32



Item 18: To apprise the house about conduction of online Workshop on "MMTLP" {A step towards implementation of NEP-2020}

- With reference to order no 105 dated 22.01.2022, the targets for incorporating NEP-2020 provisions in the Flexible Curriculum were set-up in the meeting of the BoG on 11.01.2022.
- It was decided that multiple modes (*Direct teaching-learning: 50-60%, Indirect teaching: up to 10% and hands-on/experimentation based learning: 20-25%*) of teaching must be used for effective achievement of the learning outcomes.
- Department level workshops were conducted during April-June 20220 to map lecture plans with (i) offline / Black Board Teaching (ii) Learning through experimentation (iii) Activity based Learning and (iv) learning in groups, peer-learning, through demonstration, through projects etc.



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DA/MP/2022/1483

Date: 05/04/2022

NOTICE

Subject: In-House department level workshop on “Deciding modes of teaching according to the Multiple Mode Teaching Learning Pattern (MMTLP)”

With reference to order no 105 dated 22.01.2022, the targets for incorporating NEP-2020 provisions in the Flexible Curriculum were set-up based on the presentation of Professors on “Market Driven Analysis for Dynamic Curriculum Development” in the meeting of the **BoG** on 11.01.2022

It was also decided to promote the following Teaching-Learning methodology for content delivery:

Methodology	Direct Teaching-Learning	Indirect Teaching-Learning	Hands-on/Activity based/Experimentation based learning
Multiple Mode Teaching Learning Pattern	Suggestive Range		
	50-60%	Up to 10%	20-25%

In this regard each department is required

1. to conduct an in-house workshop on “Deciding modes of teaching according to the Multiple Mode Teaching Learning Pattern (MMTLP)” (Sample appended with this notice)
The proposed objectives are[®]

- To identify innovative teaching modes for different types of syllabus content
- To enhance skill development through different modes of teaching-learning
- To include latest developments in the domain catering to the fast changing technological scenario
- To introduce a global perspective into the course

@ These are suggestive objectives, the department can add/delete/modify as required

2. to prepare lecture plans as per the following format

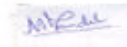
LECTURE PLAN[®]

Name of Course with Code:		Class:	Session: July-December 2022		
Teaching Session	Date	Content to be covered	COs	Blooms Level (BL)	% Coverage (to be calculated based on the total syllabus)
1					
2					

#This table is only a sample; the faculty members can further improve/change it as per the requirements/nature of their specific courses.

The “sample modes of teaching” prepared by the Academic Development Cell based on the Multiple Mode Teaching Learning Pattern (MMTLP) conforming to the Implementation of National Education Policy 2020 (NEP 2020) is enclosed in Table A

The brief report of the workshop is to be sent to the office of the undersigned latest by **30th May 2022**. The report must include (i) Lecture plans of a few courses of the next session (ii) Modes of teaching of those courses (to be appended with lecture plans).


(Dr. Manjara Pandit)
Dean Academics

Summary In-house workshop on Multiple Mode Teaching-Learning Pattern (MMTLP)

S. No.	Department	Date	Number of Participants
1	Civil Engineering	12/05/2022	16
2	Electrical Engineering	01/06/2022	19
3	Electronics Engineering	10/05/2022	17



4	Computer Science and Engineering	13/04/2022	13
5	Information Technology	20/05/2022	17
6	Engineering Mathematics & Computing	26/05/2022	08

Details report enclosed Annexure - III

Item 19: To review the student club/professional society chapter activities conducted during year 2021-2022.

—The IQAC was informed that the 16 numbers of active student clubs (during online session) have organized 103 number of activities in which a total of 12,865 students participated as detailed below.

— Summary of Club – Professional Society Chapter Activities

S.No.	Club Name	Coordinator Name	Activities
1	Aerospace Club	Dr. C.S. Malvi	04
2	Analytic Club	Dr. D.K. Jain and Dr. Divya Chaturvedi	01
3	Art Club	Prof. Pooja Sahoo	05
4	ASIMOV ROBOTICS CLUB	Prof. Karuna Markam	28
5	Code War Club	Dr. Rajni Ranjan Singh Makwana	02
6	Electronics Club	Prof. Madhav Singh	04
7	HOLISTIC HEALTH CLUB	Prof. Vishal Chaudhary	05
8	Innovation Club	Dr. C.S. Malvi	03
9	MITS Journalism Society	Prof. Anish P. Jacob	06
10	October Sky (Rocket Club)	Prof. R. P. Narwaria	03
11	Science Club	Dr. Anjula Gaur	08
12	Sports Club	Dr. B.P.S. Bharoria	02
13	ACM Student Chapter	Prof. Neha Bhardwaj	09
14	IET Student Chapter	Dr. Vijay Bhuria	04
15	IETE Student Forum	Dr. Vandana Vikas Thakare	15
16	ISTE Students' Chapter	Prof. Vishal Chaudhary	04
	TOTAL		103

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
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Activities	86	66	54	89	103
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Detailed report enclosed Annexure-IV

Item 20: To review the brief Report of Online Classes (I, II and III Year Students: & II and III Year (Session Jan -June 2022)].

Brief Report of Online/Offline Classes (I, II, and III Year Students)

(10th January 2022 to 17th June 2022)

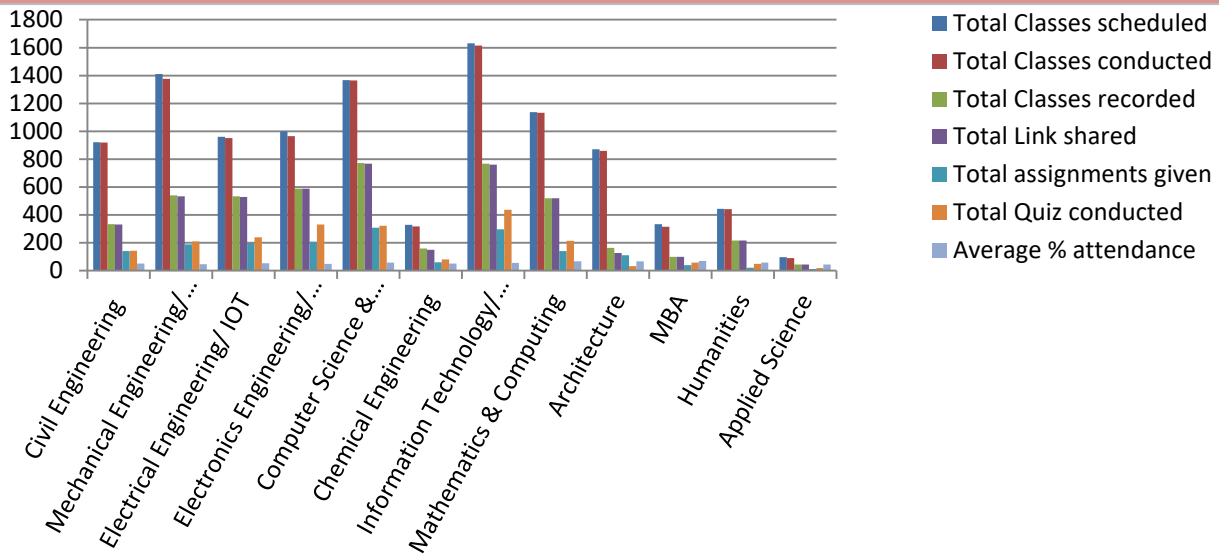
I to III Year (Session January-June 2022)

Theory Classes

Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total assignments given	Total Quiz conducted	Average % attendance
Civil Engineering	920	919	333	331	139	143	51.25
Mechanical Engineering/ Automobile Engineering	1411	1377	539	533	189	209	46.12
Electrical Engineering/ IOT	959	951	533	528	198	238	53.67
Electronics Engineering/ Electronics & Telecommunication Engineering	1000	965	588	587	206	330	48.06
Computer Science & Engineering/ MCA	1367	1365	771	766	307	321	57.63
Chemical Engineering	328	317	159	149	60	81	49.95
Information Technology/ IOT/ AIR	1631	1615	766	761	296	436	55.84
Mathematics & Computing	1138	1133	519	520	141	214	65.78
Architecture	871	858	163	125	110	31	66.21
MBA	334	315	99	99	38	58	68.25
Humanities	443	442	216	216	21	47	56.87
Applied Science	97	89	44	44	12	18	43.26



Online/Offline Theory Classes (10 January to 17 June, 2022)

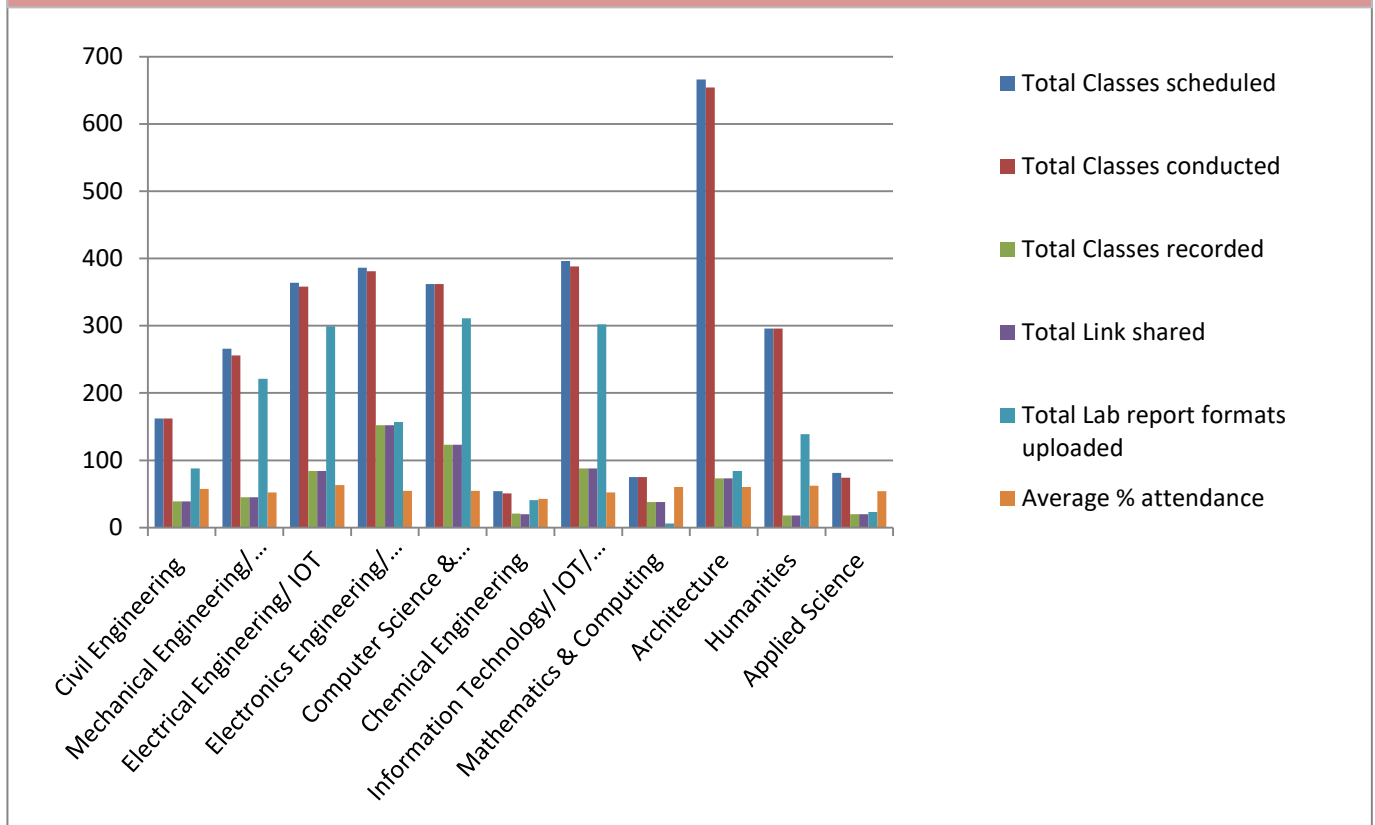


Practical Classes

Department	Total Classes scheduled	Total Classes conducted	Total Classes recorded	Total Link shared	Total Lab report formats uploaded	Average % attendance
Civil Engineering	162	162	39	39	88	57.41
Mechanical Engineering/ Automobile Engineering	266	256	45	45	221	52.20
Electrical Engineering/ IOT	364	358	84	84	299	63.24
Electronics Engineering/ Electronics & Telecommunication Engineering	386	381	152	152	157	54.50
Computer Science & Engineering/ MCA	362	362	123	123	311	54.40
Chemical Engineering	54	51	21	20	41	42.71
Information Technology/ IOT/ AIR	396	388	88	88	302	52.27
Mathematics & Computing	75	75	38	38	6	60.24
Architecture	666	654	73	73	84	60.22
Humanities	296	296	18	18	139	62.04
Applied Science	81	74	20	20	23	54.24

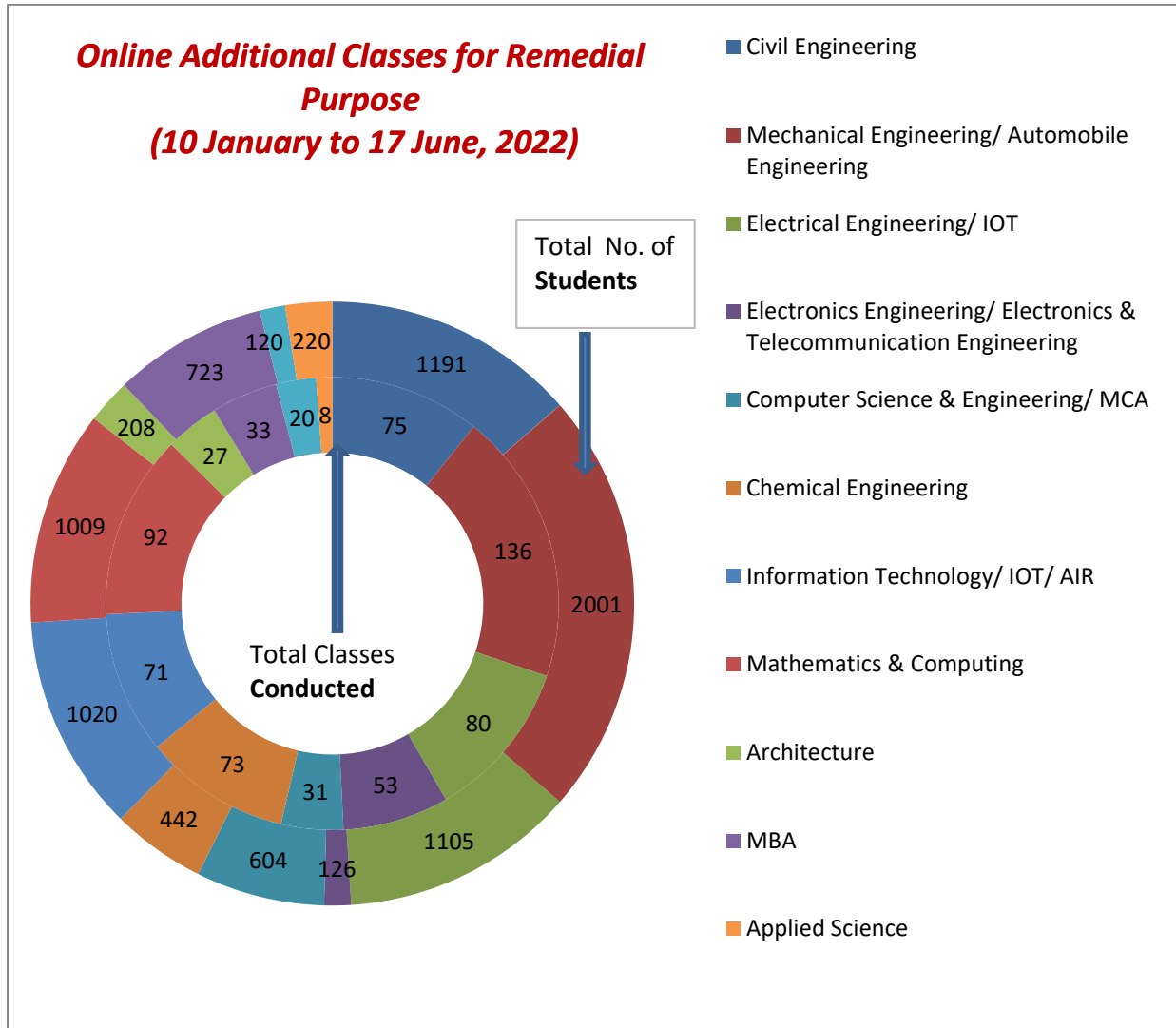


Online/Offline Practical Classes (10 January to 17 June , 2022)



Additional Classes/Special classes for remedial purpose

Department	Total Classes conducted	Total number of students
Civil Engineering	75	1191
Mechanical Engineering/ Automobile Engineering	136	2001
Electrical Engineering/ IOT	80	1105
Electronics Engineering/ Electronics & Telecommunication Engineering	53	126
Computer Science & Engineering/ MCA	31	604
Chemical Engineering	73	442
Information Technology/ IOT/ AIR	71	1020
Mathematics & Computing	92	1009
Architecture	27	208
MBA	33	723
Humanities	20	120
Applied Science	8	220
Total	699	8769



Item 21: To report on hosting the Hackathon-2022 at the institute

- Hackathon is an initiative to provide students with a platform to solve some of the pressing problems of Industries and thus inculcate a culture of product innovation and a mind-set of problem-solving.
- The hackathon was conducted on 16-17 April 2022 in collaboration with **Microsoft IDS Hyderabad, Cadre Design, Ansys and Dhiyotech.**
- Total 50 teams were registered for the event.
- out of these 50 teams 35 teams submitted their solutions.
- At the end 21 teams were shortlisted by the industry.
- Top three teams were awarded cash prizes of 50,000/-, 30,000/- and 20,000/- respectively.



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THE TEAM

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

No.: 1599 Date: 06.09.2021

ORDER

As per Institute Academic Development plan to inculcate the culture of Product innovation and a mindset of problem solving among the students, it is planned to organize the **Hackathon** to provide the opportunity to work on challenges faced in the Industries and society, following committee is constituted for the conduction of Hackathon:

(i)	Dr. Rajni Ranjan Singh Makwana	Chairman
(ii)	Dr. Abhilash Shukla	Member
(iii)	Dr. Dinesh Kumar Rathore	Member
(iv)	Dr. Vikram	Member
(v)	Dr. Vikas Mahor	Member
(vi)	Dr. Anjula Mehto	Member
(vii)	Dr. Saamil Maheshwari	Member

The above committee will submit the detailed plan for the conduction of said Hackathon to be conducted by Institute for the approval of undersigned on or before 15th September 2021.

Further, above committee will organize the Hackathon as per approved plan.

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

Copy to:

THE BROCHURE

COLLABORATION

REGISTRATION

<http://hackathon.mitsweb.in/>

ABOUT INSTITUTE

Madhav Institute of Technology & Science (MITS) is a Government Aided UGC Autonomous Institute. It was established in the year 1983 by the Government of Madhya Pradesh. It is a multi-disciplinary Institute. It is affiliated to RGPV, Bhopal. It is a Government Aided UGC Autonomous Institute. It is a Government Aided UGC Autonomous Institute. It is a Government Aided UGC Autonomous Institute.

ABOUT HACKATHON

It is an initiative to provide students with a platform to solve some of the pressing problems of industries and also receive a certificate of product innovation and a reward of product solution.

IMPORTANT DATES

Last Date of Student Submissions: 05 April 2022
Hackathon Date: 16-17 April 2022

HACKATHON 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
DATE: 16-17, APRIL 2022

Prizes

FIRST PRIZE- ₹ 50000
SECOND PRIZE- ₹ 30000
THIRD PRIZE- ₹ 20000

Industry will also provide Job offer /certificate/prize etc. for their specific problems to the winning teams.

Participation Process

- A team of three students may register for the event (all members should be from the same institute). One Faculty mentor will also be required to register with the student team.
- Students should be regular engineering students of AICTE approved institutes.
- Students should register themselves under the specified industry mentioned problem statement.
- To scrutinize at the first level, each team should submit solution of the given problem statement before the deadline.
- Only qualified teams from the first round will be eligible to participate in the final event. Teams will come with the developed product and other essentials (software, hardware, etc) required for the final delivery of the solution as per the problem statement.
- On the event day, industry expert review the product and give suggestions for improvement/up-gradation of the product. Teams are required to improve the product as per the suggestions within 20 hours.

For further details of participation and evaluation process visit the website:
www.hackathon.mitsweb.in

Contact Us
Dr. Vikas Mahor
Phone: 7000771599
Email: hackathon@mitsgwalior.in
Website: <http://hackathon.mitsweb.in>



THE SCHEDULE

Hackathon Schedule

**HACKATHON- 2022
EVENT Day Schedule
16-17 April 2022**

S.No	Activity Name	Date	Time	Venue
1	Inauguration	16/04/2022	10:30 AM - 11:15 AM	Conclave Center
2	High Tea & Breakfast		11:15-11:30 AM	Near Center Computer Centre(CCC)
3	Industry Expert Presentation		11:30 AM- 12:00 PM	Conclave Center
4	Product Review by Industry Expert		12:00 PM- 1:30 PM	Conclave Center- Track- Microsoft IDC Center Computer Centre- Cadre Design/ Ansys
5	Product Development Session start		1:30 PM	Center Computer Centre
6	Product Review by Industry Expert		6:00 PM	
7	Product Review by Industry Expert		10:30 PM	
8	Product Development Session end & Submission of the solution	17/04/2022	9:30 AM	Center Computer Centre
9	Presentation by teams		9:30 AM- 11:30 AM	Conclave Center- Track- Microsoft IDC Center Computer Centre- Cadre Design/ Ansys
10	Prize distribution		12:30 PM	Conclave Center

Food & Refreshment

S.No.	Refreshment Sessions	Date	Time	Place
1	High Tea & Breakfast	16/04/2022	11:15 AM-11:30 AM	Near Center Computer Centre(CCC)
2	Lunch		2:00 – 3:00 PM	
3	High Tea		5:30 - 6:00 PM	
4	Dinner		8:00 - 10:00 PM	
5	Breakfast	17/04/2022	8:00 - 9:30 AM	
6	Lunch	1:00 – 2:00 PM		

SHORTLISTED TEAMS

Shortlisted Teams

Team Name	Problem Company	Problem Id
Brute Force	MICROSOFT (MC)	MC03
Maskman	MICROSOFT (MC)	MC02
Dare To Code	MICROSOFT (MC)	MC05
Dev Geeks	MICROSOFT (MC)	MC05
TechnoMaits	MICROSOFT (MC)	MC05
TRIPOD	MICROSOFT (MC)	MC05
Cool as Code	MICROSOFT (MC)	MC03
ADSCOS	MICROSOFT (MC)	MC02
Agile Devs	MICROSOFT (MC)	MC05
Cipher	MICROSOFT (MC)	MC02
Tech Army	MICROSOFT (MC)	MC05
AI Shippudin	MICROSOFT (MC)	MC02
V4Tech	MICROSOFT (MC)	MC05
XD-Code	MICROSOFT (MC)	MC02
Xx_ बजरिया डैगन स्केटर्स_xX	MICROSOFT (MC)	MC05
Junior Tech	CADRE DESIGN (CAD)	CAD01
TECHMANIACS	CADRE DESIGN (CAD)	CAD01
Makereal	CADRE DESIGN (CAD)	CAD01
Itm university	CADRE DESIGN (CAD)	CAD01
MonkXMITS	ANSYS (AN)	AN01
MonkXMITS	ANSYS (AN)	AN02
Abhitapah	ANSYS (AN)	AN02



TEAM EVALUATION

S. No.	Team Name	Company Name	First Round	Final Round	External Total	Internal Final round (100)	Total Final
1	AI Shipudden	IPS College of Technology and Management	100	95	96	98	96.4
2	Tech Army	IPS COLLEGE OF TECHNOLOGY AND MANAGEMENT	100	92	93.6	95	93.88
3	ADSCOS	Madhav Institute of Technology & Science	100	92.5	94	85	92.2
4	XD-Code	Shri Ram College of engineering and management (SRCEM) Banmore	100	87	89.6	97	91.08
5	Dare To Code	Madhav Institute of Technology and Science, Gwalior	89.5	91	90.7	90	90.56
6	Junior tech	ITM UNIVERSITY	80.5	92.5	90.1	91	90.28
7	Agile Devs	Madhav Institute of Technology and Science	74	86	83.6	75	81.88
8	Techmaniacs	Madhav Institute of Technology and Science	82	75	76.4	73	75.72
9	Brute Force	Madhav Institute of Technology & Science	87	69	72.6	87	75.48
10	TRIPOD	IES COLLEGE OF TECHNOLOGY, BHOPAL	84	71	73.6	73	73.48
11	Abhitapah	Madhav institute of technology and science	61	80	76.2	61	73.16
12	ITM	Itm university	70	69	69.2	70	69.36
13	Dev Geeks	Ies University	91.5	66	71.1	53	67.48
14	Make it Real	Madhav Institute of technology and science	0	79	63.2	82	66.96
15	Cool as Code	Madhav institute of technology and science	80	62	65.6	58	64.08
16	V4Tech	Madhav Institute Of Technology & Science	75	64.5	66.6	52	63.68
17	TechnoMaits	Maharaja Agrasen Institute Of Technology	41	68	62.6	55	61.08
18	Xx_बजरिया_ ड्रैगन_स्केटर्स_ xX	IPS College of Technology and Management	59	59	59	57	58.6
19	Cipher	Madhav Institute of Technology and Science	70	48.5	52.8	35	49.24

THE WINNERS

Winners							
S. No.	Team Name	Company Name	First Round	Final Round	External Total	Internal Final round (100)	Total Final
1	AI Shipudden	IPS College of Technology and Management	100	95	96	98	96.4
2	Tech Army	IPS COLLEGE OF TECHNOLOGY AND MANAGEMENT Madhav Institute of Technology & Science	100	92	93.6	95	93.88
3	ADSCOS	IPS COLLEGE OF TECHNOLOGY AND MANAGEMENT Madhav Institute of Technology & Science	100	92.5	94	85	92.2



1st Prize, Team- AI Shipudden



2nd Prize, Team- Tech Army



3rd Prize, Team- ADSCOS

THE MEDIA COVERAGE

Media Coverage

10 मार्च तक बताना होगा समस्या का समाधान, 26-27 मार्च को फाइनल शहर में पहली बार होगी हैकाथॉन, विद्यार्थी मल्टीनेशनल कंपनियों के टास्क पूरे करेंगे

एमआईटीएस प्रतिभा को अक्सर मिस्ट्री रिपोर्टें - ग्वालियर

शहर में पहली बार ऐसी हैकाथॉन होने जा रही है, जिसमें विद्यार्थी के साथ-साथ मल्टीनेशनल कंपनियों भी भागीदारी करेंगे। इस हैकाथॉन का आयोजन मार्च में किया जाएगा। इसमें ग्वालियर सहित देशभर के इंजीनियरिंग संस्थानों के विद्यार्थियों को शामिल होने का मौका मिलेगा। एमआईटीएस द्वारा कराई जा रही इस हैकाथॉन के अतिथिगत रजिस्ट्रेशन शुरू हो गए हैं। इसमें 10 मार्च तक समस्याओं का समाधान बताया होगा। इसमें हर कंपनी ने अलग-अलग प्रॉब्लम स्टेटमेंट रखा है। समाधान के इंतजार में आगे बढ़ते हैं बताया कि पहले चरण में बेस्ट टीम का चयन किया जाएगा। इसके बाद 26 और 27 मार्च को फिनिशल रूप में टीम को अपना प्रेजेंटेशन देना होगा।

ये थीम की गई हैं शामिल

हैकाथॉन में वेब एप डेवलपमेंट में स्पॉन्सर इंडियन प्रोब्लेम, कार्ड हैपीनेस रिपोर्ट का डेटा एनालिसिस, डाटाबेस एडर एप्लीकेशन, एप्लिकेशन डेवलपमेंट, सोल्यूशन एप बेसड पोर्टेबल विजिटिंग, टीका डेवलपमेंट सहित अन्य थीम को शामिल किया गया है। इसके संबंध में अधिक जानकारी के लिए www.mtiagwalior.in पर विजिट कर सकते हैं।

₹1 लाख तक की मिलेगी राशि

- एक टीम में अधिकतम 3 विद्यार्थी शामिल हो सकते हैं। एक कैचमैच टीम के रूप में होगा।
- रजिस्ट्रेशन के समय छात्रों को यह बताया गया कि वे इंटरमीडिएट टैक्स प्रोब्लम स्टेटमेंट पर काम कर रहे हैं। साथ ही इन्हें बताया गया समाधान लक्ष्य है।
- पहले चरण में टीमों को जॉर्नल लिखना होगा। इसके बाद प्रदर्शन में पहुंचेंगे।
- विजेता को 50 हजार, द्वितीय को 30 हजार और तृतीय को 20 हजार रूपय का पुरस्कार दिया जाएगा।

आईटी और ग्राफिक डिजाइन में इंटरशिप के ऑफर

- अगर इंटरशिप को शुरूआत मार्च के बाद से होंगे, लेकिन कई कंपनियों अभी से इंटरशिप ऑफर कर रही हैं। इंटरनेट की ओर से कई क्षेत्रों में विद्यार्थियों को इंटरशिप ऑफर की जा रही है। यह एक महीने से लेकर 3 महीने तक की है। इनमें मार्केटिंग, ग्राफिक डिजाइन, फैशन एडिटर, विज्ञापन डेवलपमेंट, ब्रांड प्रमोशन, सोफ्टवेयर, फैशन प्रमोशन और इन्फोटेक टेक्नोलॉजी सहित कई क्षेत्र शामिल हैं। इसमें इंटरशिप अतिथिगत और अतिथिगत दोनों ही तरह की हैं। वहीं एआईटीआई की इंटरशिप प्रोग्राम पर भी इंटरशिप ऑफर की जा रही है। इसमें विद्यार्थी प्रोब्लम के हिसाब से शहर भी चुन सकते हैं।



ग्वालियर 17-04-2022

एमआईटीएस में शुरू हुई हैकाथॉन, जो रविवार सुबह 8 बजे तक चलेगी लगातार 20 घंटे काम करेंगी 21 टीम नए ढंग से खोज रहीं समस्या का हल

हैकाथॉन-2022
मिस्ट्री रिपोर्टें - ग्वालियर

शहर की पहली हैकाथॉन जो लगातार 20 घंटे तक चलेगी। रविवार से एमआईटीएस में शुरू हुई इस हैकाथॉन में देशभर से आई 21 टीमों 10 समस्याओं का समाधान निकालने की। छात्रों को जितना काम पड़ेगा उतना और मुश्किल 8 बजे समस्याओं का समाधान रखने का समय होगा। इसमें टीमों को प्रोब्लम स्टेटमेंट का समाधान तकनीक के अनुसार देना पड़ेगा है। अतिथिगत रजिस्ट्रेशन, कार्ड हैपीनेस, टीका डेवलपमेंट सहित कई विषय का प्रदर्शन टीमों करेगी। इसके लिए देश और विदेश की कंपनियों ने समस्याएं सभी टीमों को दी हैं। डॉ. धरेश ठोंडर ने बताया कि रजिस्टर टीमों को पहले पुरस्कार दिए जायेंगे। हैकाथॉन के लक्ष्य पर समाधान के बाद और अधिक जानकारी सरल प्रकाश फेला, मिडिया इंजीनियरिंग कॉलेज ग्वालियर के अध्यक्ष रंजना अग्रवाल और इन्फोटेक डॉ. अरवि शर्मा मौजूद रहे।

- **21** टीमों देशभर से आई हैं।
- **03** सदस्य प्रत्येक टीम में और एक भेंट है।
- **01** लाख रूपय के कुल पुरस्कार दिए जाएंगे।



एमआईटीएस में शुरू हुई हैकाथॉन में शामिल देशभर से आई टीमों के सदस्य।

इन समस्याओं का ढूंढा जा रहा है समाधान

- **समर्थ कार्ड्स टीम** | टीमों को यह लिखना पड़ता है कि वे क्या कर सकते हैं। वह लिखनी का मोड देना, जिसका मोड परमार्थ अब उपलब्धता को मिलेगा। तकनीक का उपयोग में किसी के उपकरणों को खराब दिखाने है। इसका यह इस मोड के जरूर चल सकते हैं।
- **मायक रिपोर्ट सिस्टम** | कोडिंग करने से काम हो गया है, फिर भी प्रोब्लम इसकी निम्नता बाकी है। इसका प्रत्येक रिपोर्ट लिखना लिखना करने का टास्क टीमों को दिया गया है। टीम एक सिस्टम डेवलप करेंगी जो भीड़ में उन लोगों को पहचान करेगा, जो बिना पासवर्ड लॉक हुए थे।

पत्रिका plus

gwalior, sunday 17/04/2022

patrika.com/entertainment

08

event city एमआइटीएस में 'हैकथॉन-2022' में शामिल हुई देशभर की 21 टीमों बीस घंटे नॉन स्टॉप प्रतिभागियों ने दिया प्रजेंटेशन, जज आज करेंगे रिव्यू, मिलेंगे एक लाख के पुरस्कार

पत्रिका plus रिपोर्टर

ग्राहक रिपोर्ट, ऑनलाइन रिपोर्टिंग के साथ-साथ मीडिया, डाटा साइंस को जोड़कर स्मार्ट सॉल्यूशन दिए जा रहे हैं। डिजिटल एरा की शुरुआत हो चुकी है। अपने चर्च से बराबर में बढ़ते जा रहे हैं, वे अकेले नहीं हैं। कोडिंग रिवल को बढ़ावा देना हमारा काम है। यह बात एमआइटीएस के निदेशक डॉ. आरके पंडित ने कही। एमआइटीएस में जो निर्यात हैकथॉन-2022 की शुरुआत रविवार को हुई।

इसमें देशभर से 21 टीमों को प्रजेंटेशन के लिए बुलाया गया। उन्होंने बीस घंटे नॉन स्टॉप प्रजेंटेशन दिए।



इसका रिजult आज करेंगे और एक तरह के पुरस्कार वितरित करेंगे। इस अवसर पर एमआइटीएस बोर्ड के सदस्य प्रमोद मेहता, सिद्धिदा इंजीनियरिंग कॉलेज और सोसायटी

के सहित सभी अवसर उपस्थित रहे। मेहता ने बताया कि इस तरह की हैकथॉन प्रतियोगिता रिजult वार्ड प्रोब्लम और नई तकनीक द्वारा उनके सम्बन्ध में सहायगी होगी।

इनोवेटिव सॉल्यूशन को मिलेगा मंच

एमआइटीएस के कंप्यूटर साइंस के विभागाध्यक्ष डॉ. मनोप दीक्षित ने कहा कि इस कोडिंग हैकथॉन की 20 घंटे लगातार नॉन स्टॉप चलने वाली प्रतियोगिता में कंपनी के रिजल्टेंटिव एवं कार्यक्रम के जज पूरी प्रक्रिया के दौरान तीन बार छात्रों द्वारा किए गए कोडिंग एवं सॉल्यूशन को रिव्यू करेंगे एवं देखेंगे कि किस टीम ने इनोवेटिव सॉल्यूशन प्रस्तुत किए।

समाज को सशक्त किया एमएस विडोज और एमएस ऑफिस ने

माइक्रोसॉफ्ट के शुभम शर्मा ने सोसायटी और विद्य के लिए बनारस यूनिवर्सिटी के बारे में जानकारी दी। उन्होंने बताया कि माइक्रोसॉफ्ट मिशन एवं माइक्रोसॉफ्ट ऑफिस ने समाज का इम्प्रोवमेंट किया है। विशेष टैक प्रोब्लम रिजल्ट के उपरोक्त रजुल बोधासय ने बताया कि स्टूडेंट्स अपनी रिजल्ट प्रोब्लम को तकनीक की मदद से हल कर सकते हैं।

आज होगी विजेता टीमों की घोषणा

हैकथॉन के दूसरे दिन रविवार को विजेता टीमों के नामों की घोषणा की जाएगी। साथ ही सर्टिफिकेट और पुरस्कार दिए जाएंगे।



ग्वालियर 18-04-2022

20 घंटे की खोज, बनाया ऐसा कैमरा जो साइन लैंग्वेज को शब्दों में बताएगा



हैकथॉन-2022

सिटी रिपोर्टर । शांति मॉल सहित सार्वजनिक जगह जाने वाले दिव्यांग (मूक-बधिर) की साइन लैंग्वेज हर कोई नहीं समझ पाता है। इसके लिए इन जगहों पर खास कैमरा लगेंगे, जो मशीन लर्निंग से जुड़े होंगे। दिव्यांग कैमरे के सामने साइन लैंग्वेज से अपनी बात रखेंगे और कैमरे का सॉफ्टवेयर उसे शब्दों में बदलेगा।

एआई रियुदीन टीम ने यह समाधान देकर विजेता का खिताब जीता। एमआइटीएस में आयोजित हैकथॉन का समापन रविवार को हुआ। 20 घंटे चली हैकथॉन के बाद 21 टीमों के सॉल्यूशन का इवैल्युएशन किया गया। डॉ. मनोप दीक्षित ने बताया कि विजेता को 50 हजार, उपविजेता टेक आर्मी टीम को 30 हजार और तृतीय एड्सकॉर्स 20 हजार का पुरस्कार संस्थान के डायरेक्टर डॉ. आरके पंडित ने दिया।



Item 22: To report the initiative taken to convert the present institute website to Role Base Access Control (RBAC)

- In the present scenario, there is a need of role based access control based(RBAC) website so that various departments, faculty members etc. can update web contents directly through individual logins.
- Institute initiated the development of RBAC based website in which each faculty member can update their profile directly, department can update departmental information and section in-charge can also update their webs pages directly.
- The RBAC website is a CMS (Content management system) that helps users to create, manage and modify content on a website without the need for specialized technical knowledge.
- A content management system is a tool that helps to build a website without needing to write all the code from scratch.

website technical details are: -

https://mitsgwalior.in/	
Software	Version
Joomla as CMS	4.1
PHP	7.2
MySQL	5.7
Apache Server (Linux) (with mod_mysql, mod_xml, and mod_zlib)	2.x

Item 23 : To apprise about visit of renowned personalities and their interaction with students

- The IQAC was apprised about the visit of renowned persons to the institute and their interaction with students and faculty.
- After the interaction their experiences were recording in the state-of-the-art digital recording studio of the institute.

—**Link of interview of Mrs Meherunnisa Parvez**

<https://www.youtube.com/watch?v=oXc-8gXTNe0>

- The innovation club and Mechanical Department have conducted a two hours off-line session on the theme “Azadi ka Amrit Mahotsav” on 25/04/2022 (Monday) from 04:00 PM on the topic " **भारत में विज्ञान की गौरवशाली परंपरा प्राचीन काल से आधुनिक काल तक**" is



delivered by **Dr. Sadanand Damodar Sapre**, former professor of MANIT, Bhopal (Electronics Engineering), author of '**Hindu dharma Sanskriti**'.

The report is enclosed as Annexure.

Item 24: To apprise about the initiation of the Alumni Management Portal

—For managing the data and to enhance interaction with the alumni, the institute has launched an alumni management portal.

Link to reach portal: <https://alumni.mitsgwalior.in/>

—The **portal is live from June 16, 2022** and network presently consists of 680+ Alumni. The network is growing very fast and alumni can connect to the network through mail, LinkedIn, WhatsApp and the official websites.

Features:

- *Alumni details, current and past employer*
- *Create group on the basis of city, employer or year*
- *Notable alumni*
- *Testimonials*
- *Institute past and upcoming events*
- *Launch campaigns*
- *Add stories, videos etc.*
- *Activities performed:*

— Portal settings have been done, fields added (what is required from alumni), and distributed content under fields has been added. Alumni, passed out in 2021 (verified from exam section) data has been uploaded and Invitation has been sent to them to add their details & update their profile.

- *Front page profile pictures added.*
- *Notable alumni added*
- *Testimonial added*
- *Events & activities added*

Item 25: To report on the Internship monitoring and mid-term evaluation mechanism

—A detailed internship policy with all procedures and formats is in place.

—From time to time the students are briefed about the provisions and requirements in this regard.

—A fortnightly progress report (FPR) is sought from the industry mentor of the student.

—Proper rubrics are used for assessment and evaluation.

— The mechanism is monitored by the HoDs and the office of the Dean Academics as shown below:



Regarding getting FPR reports from Industry Mentors of MNCs External Inbox x

Vikram Rajput, MITS Gwalior <tnp@mitsgwalior.in> Mon, Apr 11, 11:09 AM ☆ ↶ ⋮
to Amit, Prachi, Vikas, Swati, CSE, Vaibhav, eedinternship, Gavendra, Sunita, DEEPAK, Punit, MIR, me, Rajindra, hod, DR.MANJAREE, Director ▾

Dear All Internship Coordinators,

Greetings!

Getting a FPR report can be delayed from the Industry Mentors, so kindly consider. Also, please follow the following guidelines as discussed with Dean Academics.

1. All the following points/options are only to be considered in the case of students who are doing internships in MNCs/Highly Reputed Organizations or in case of companies where students are placed only through T&P Cell Campus Placement Process and only if students are facing problems in getting FPR from their Mentors.
2. If any Industry Mentor is not able to give a report Fortnightly then we can ask them a simple Email for Monthly Feedback of students working under them. That mail copy can be used.
3. According to the feedback of industry mentors in any simple format can be considered to fill a student's FPR report by faculty coordinator.
4. Another alternative can be a small google form link to be generated batch wise which can be sent to students to get it filled by their Industry Mentors/HRs. Google form should be very very short, not more than 4-5 simple questions and detail of Mentor & student as well. But, any feedback is required at least on a monthly basis if not every 15 days and the same feedback can be filled in FPR format by faculty.
5. As per the guidelines of doing Mid-term evaluation twice during the whole Internship/project period, that can be considered via online meet or online discussion with students.
6. Also, please guide students regarding this.

Item 26: To consider the proposal for Best Research Paper award for the students at UG and PG level

- It is proposed to provision “Best Research Paper award” for the students at UG and PG level. This will lead to enhancement in the research activities among the students with improved quality in the work and relating publications.
- The norms for the same are being prepared by the Academic Development Cell.

Item 27: To review the new initiative taken to conduct a semester closing program

- It was decided in the meeting of the HoDs that a new initiative of conducting “A semester closing programme” must be started with the following objectives:
 - ✓ To prepare the students in advance for the next semester so that the summer break can be effectively utilized for achieving their learning and career goals
 - ✓ To establish a better understanding and connect between faculty and students
- The focus was to be on allotment of projects: Faculty was required to float the 'project topics' and brief the students about latest work/applications of these project areas (Projects must be allotted to students in advance so that they start working on them during the summer break itself).
- Students were to be briefed about DEs, NECs and OCs being offered in the next semester at department/institute level so that the registrations (beginning from 11th July) are completed before the classes start, with minimum number of students changing their options.
- The required guidelines were prepared by the office of the Dean Academics and were circulated to HoDs as appended below.



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

DA/MP/2022/ 1487

Date: 25/05/2022

NOTICE

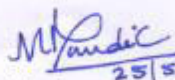
Subject: Conduction of a 'Semester Closing Programme' (class-wise) for students in on/offline mode

Objectives:

- To prepare the students in advance for the next semester so that the summer break can be effectively utilized for achieving their learning and career goals
- To establish a better understanding and connect between faculty and students

As discussed in the meeting of the HoDs, Deans, Registrar and Examination Controllers with the Director on 11th and 19th May 2022, the following guidelines are suggested:

1. A dedicated team can be constituted by the HoD, class-wise for conducting this event, however participation of all faculty is necessary.
2. The scheme of the next semester along with all provisions to be discussed.
3. **Allotment of projects:** Faculty to float the 'project topics' and brief the students about latest work/applications of these project areas (**Projects must be allotted to students in advance so that they start working on them during the summer break itself**).
4. **Briefing about DEs, NECs and OCs being offered in the next semester** at department/institute level so that the registrations (beginning from 11th July) are completed before the classes start, with minimum number of students changing their options.
5. **A few final year students can be invited to share their internship/project experiences.**
6. The students can share their significant experiences of the previous semester and give suggestions.
7. The role of students in the growth and branding of the department to be discussed for developing a sense of belongingness for the institute.
8. The faculty can apprise the students about the issues/academic lapses of the previous batch so that such cases can be avoided.
9. Each department can use their own ideas and imagination for planning & conducting this programme for meeting the general objectives defined above. In this regard, ideas from students can also be taken.
10. Permission/sanction can be taken from the Director, if needed.
11. This activity is to be conducted in June and a brief report (signed soft copy) must reach the office of the undersigned by **July 25th 2022**.


25/5/2022
(Dr. Manjaree Pandit)
Dean Academics

Copy to HoDs, Registrar, Director

Item 28: To review the existing mechanism of monitoring Teaching-learning-evaluation through question paper analysis

- Last off-line end-term examination was conducted in June 2019 and mid-term exam in February 2020.
- For the first time after two years, off-line examinations were conducted, in April 2022 (mid-term) and then in May 2022 (end-term).



- The end-term exams are conducted in three modes as reported in IQAC previously. (i) MCQ based (ii) Assignment plus oral and (iii) traditional pen-paper mode
- The members appreciated the initiative of conducting an in-house interactive workshop focusing on evaluation.

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

DA/MP/2022/1488

Date: 25/05/2022

NOTICE

Subject: One-day workshop exercise for Question Paper Analysis (Mid-term/end-term, all modes of evaluation)

Objectives:

- To review the end-term examination pattern (2,2,6) and come up with suggestions, if any
- To explore how to set questions of HOTS level in this pattern
- To check whether the question papers of exam June 2022 were solvable within the time limit
- To ascertain whether all COs were mapped, full syllabus was covered
- To classify questions on the basis of the difficulty level and other metrics as per existing previous practice of the institute

The report, along with the outcomes/proposed actions of the question paper analysis workshop must be sent to the office of the undersigned in signed soft copy pdf format latest by 25th June 2022.

(Dr. Manjaree Pandit)
Dean Academics

Item 29: To review the initiative taken to increase the faculty competencies in the upcoming areas

- As per the present need of the job market, two courses in upcoming areas will be developed by the faculty of the CSE & IT departments to train the faculty of the other departments.
- These two courses are (i) Artificial Intelligence & Machine Learning (ii) Data Science
- It is proposed to include these courses for all the students at III-year level looking at the growing market need in these areas.



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

No.: 768

Date: 10.05.2022

ORDER

A Committee of the following is constituted to prepare Scheme, Syllabi, and further teaching material of AI & ML and Data Science:

1. Dr. Dhananjay Bisen
2. Dr. Bhagat Singh Raghuwanshi
3. Mr. Mir Shahnawaz Ahmad

The above members will also give training to the faculty members of the other department who will be teaching these courses in their department.

The above committee is required to prepare the scheme and syllabi within 10 days and submit to the office of Dean (Academics).

(Dr. R.K. Pandit)
Director

10.5.22

Copy to:

1. Dean (Academics)
2. All HoDs
3. Concerning faculty members
4. Registrar
5. HR Section
6. Director office

Item 30: To review the initiative taken towards joining the ICAO TRAINAIR PLUS PROGRAMME as a Corporate Partner

- The IQAC was briefed about the initiative taken towards joining the ICAO TRAINAIR PLUS PROGRAMME as a Corporate Partner
- There was a meeting of the Director, in this regard, with the Partnerships Management Officer and team, where the following topics were proposed for potential collaboration:
 - ✓ Smart airports
 - ✓ Remotely piloted aircraft system (RPAS)
 - ✓ Cybersecurity
 - ✓ Artificial intelligence for aviation
 - ✓ Innovation and digitalization
 - ✓ Aviation sustainability

- Through the TRAINAIR PLUS Programme (TPP), International Civil Aviation Organization(ICAO) is partnering with international organizations, universities academic



institutions, and other industry stakeholders **to facilitate access to certification, graduate and post-graduate programmes in civil aviation.** The idea is to partner for developing and delivering joint aviation training programmes that meet the following criteria:

- ✓ *help addressing existing regional or global aviation training needs;*
- ✓ *enhance the implementation of the ICAO Standards and Recommended Practices (SARPs) and policies;*
- ✓ *complement existing ICAO aviation training activities; and*
- ✓ *represent a significant contribution to the aviation community.*

The collaboration can focus on:

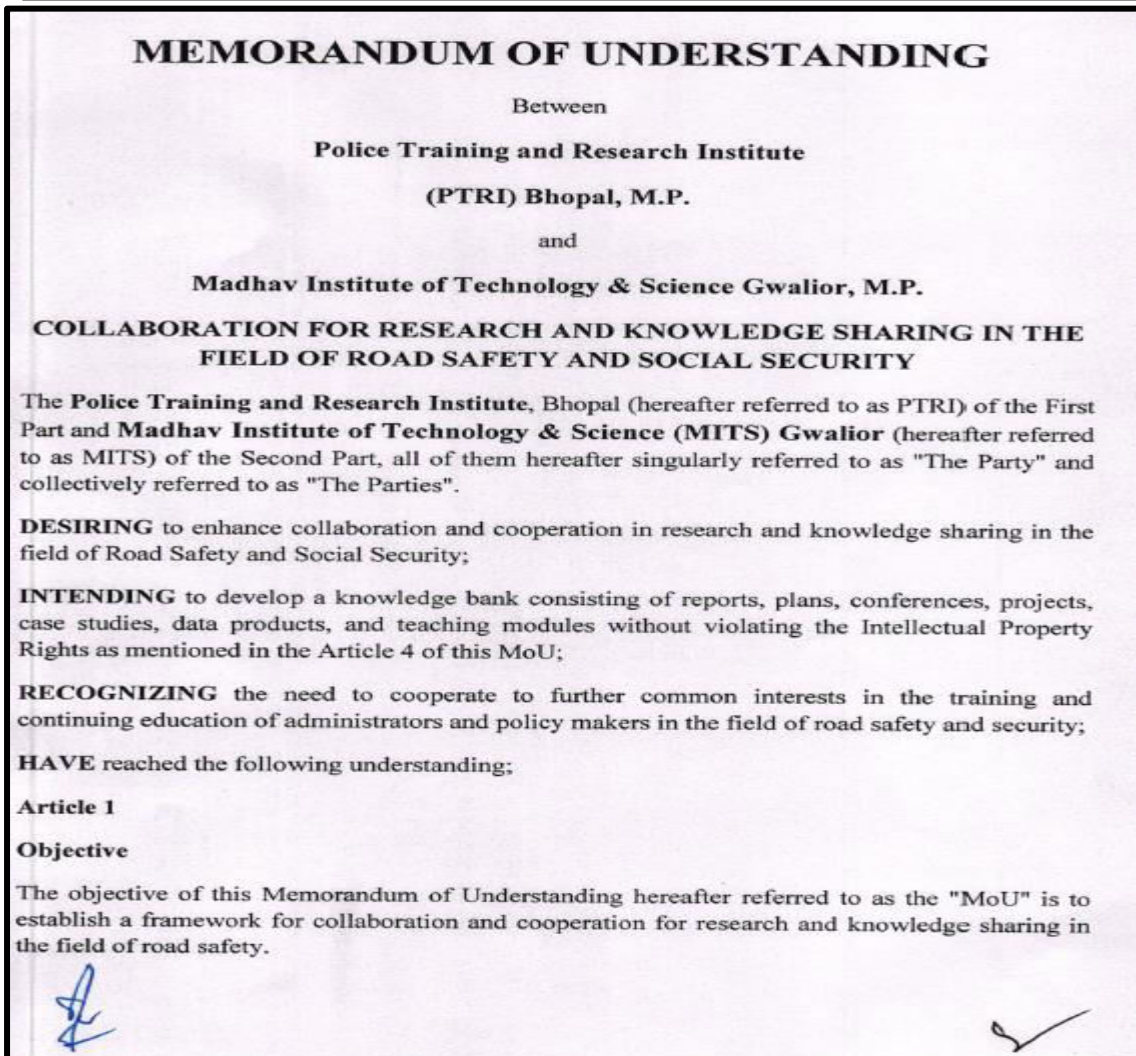
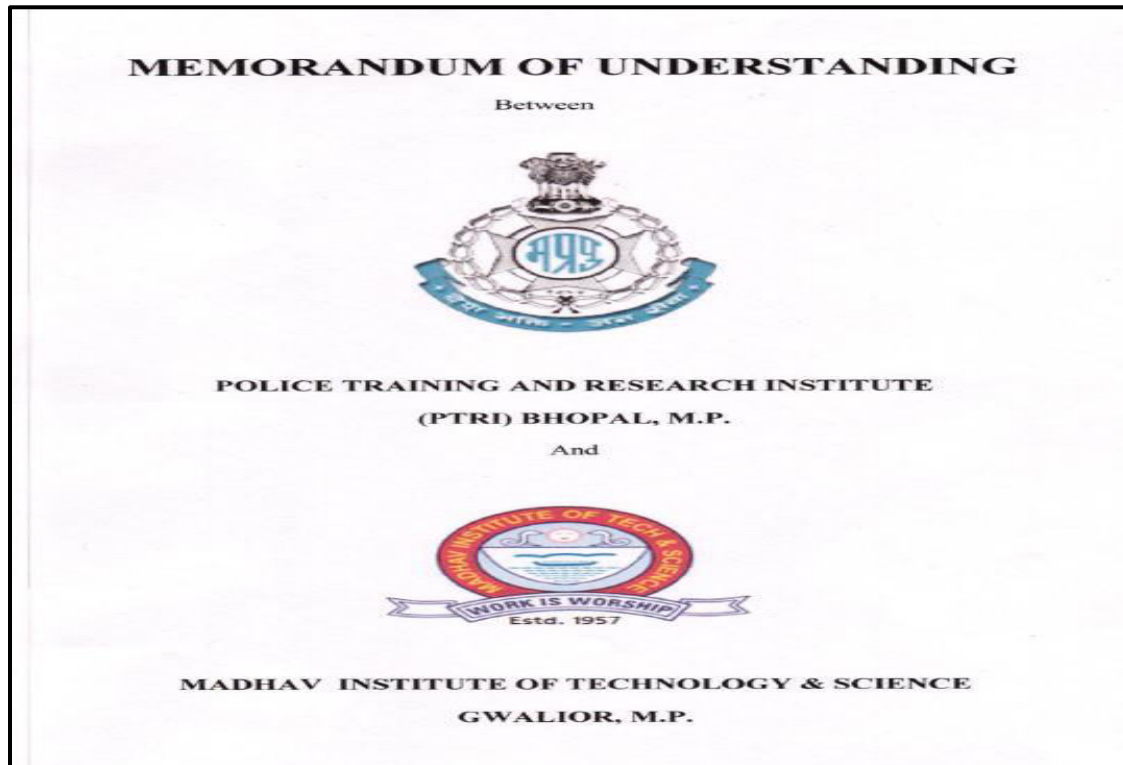
- ✓ *the delivery of one or more existing ICAO courses, where the course developed by ICAO is incorporated into the programmes of the Partner;*
- ✓ *the delivery of an existing course or programme already developed by the Partner and endorsed by ICAO;*
- ✓ *the delivery of an ad hoc course or programme which is developed by the Partner for the purpose of the partnership; or*
- ✓ *the co-development and delivery by the Partner and ICAO of an identified course.*

Item 31: To report on MoU with Madhya Pradesh Police Training Research Institute, Bhopal

- The IQAC was briefed about the MoU between Madhya Pradesh Police Training Research Institute, Bhopal and MITS, Gwalior to advance the road traffic systems using artificial intelligence, machine learning, internet of things, and data science.
- The provisions of the MoU were discussed and the efforts were appreciated.
- It is expected that the MoU will have meaningful outcomes for both parties.
- A copy of the MoU was shared with the members through presentation, and is being included in the minutes for record.
- The news coverage is also being recorded in the minutes.



COPY OF SIGNED MoU



MEMORANDUM OF UNDERSTANDING

Between

Police Training and Research Institute

(PTRI) Bhopal, M.P.

and

Madhav Institute of Technology & Science Gwalior, M.P.

**COLLABORATION FOR RESEARCH AND KNOWLEDGE SHARING IN THE
FIELD OF ROAD SAFETY AND SOCIAL SECURITY**

The **Police Training and Research Institute**, Bhopal (hereafter referred to as PTRI) of the First Part and **Madhav Institute of Technology & Science (MITS) Gwalior** (hereafter referred to as MITS) of the Second Part, all of them hereafter singularly referred to as "The Party" and collectively referred to as "The Parties".

DESIRING to enhance collaboration and cooperation in research and knowledge sharing in the field of Road Safety and Social Security;

INTENDING to develop a knowledge bank consisting of reports, plans, conferences, projects, case studies, data products, and teaching modules without violating the Intellectual Property Rights as mentioned in the Article 4 of this MoU;

RECOGNIZING the need to cooperate to further common interests in the training and continuing education of administrators and policy makers in the field of road safety and security;

HAVE reached the following understanding;

Article 1

Objective

The objective of this Memorandum of Understanding hereafter referred to as the "MoU" is to establish a framework for collaboration and cooperation for research and knowledge sharing in the field of road safety.



Article 2

Areas of co-operation

The parties will endeavour to carry out the following exchanges and cooperative activities under this MoU which consist of:

1. Developing solutions to road safety and social security issues by planning and engineering along with case lets / cases studies for background reading and teaching;
2. Developing teaching modules, organizing conferences and workshops to meet emerging curricular needs regarding objectives of this MoU;
3. Exchange of faculty for teaching as well as for guest lecture;

Article 3

Implementation

1. Both parties shall facilitate access to case material, provide contact with case providers/ protagonists, and obtain the necessary clearances for joint activities;
2. Parties shall jointly develop teaching modules, on topics relevant to the objectives of this MoU;
3. The parties shall encourage respective Faculties/Scientists to prepare joint research proposal on thrust and emerging areas of road safety and social security and to submit these projects to various funding agencies;
4. For mutual benefit of the Parties, there will be exchange of faculty for various training, research and academic purposes.
5. The PTRI shall provide MITS with avenues to work on projects in road safety, with focus on issues specific to Madhya Pradesh.
6. For this MoU, the point-of-contact at MITS will be Prof. M.K. Trivedi, Head of Department of Civil Engineering and Prof. Prabhakar Sharma, Deputy Registrar of the Institute as authorised by the **DIRECTOR, Madhav Institute of Technology & Science (MITS) Gwalior** and the Point-of-contact at PTRI will be the **ADGP, PTRI** as authorised by the Director General of Police, Madhya Pradesh.

Article 4

Intellectual Property Rights

1. The copyright of all reports, drawings, plans, case studies and modules produced under this MoU will be jointly owned by the Parties with the individual ownership being duly acknowledged. There will be no restrictions on the use of the material by either of the Parties for academic purposes.



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4. For mutual benefit of the Parties, there will be exchange of faculty for various training, research and academic purposes.
5. The PTRI shall provide **MITS** with avenues to work on projects in road safety, with focus on issues specific to Madhya Pradesh.
6. For this MoU, the point-of-contact at **MITS** will be Prof. M.K. Trivedi, Head of Department of Civil Engineering and Prof. Prabhakar Sharma, Deputy Registrar of the Institute as authorised by the **DIRECTOR, Madhav Institute of Technology & Science (MITS) Gwalior** and the Point-of-contact at PTRI will be the **ADGP, PTRI** as authorised by the Director General of Police, Madhya Pradesh.

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News Coverage of the MoU

तकनीक से निकलेगा ट्रैफिक सुधार का रास्ता

ब्लैक स्पाट • पीटीआरआइ और एमआइटीएस के बीच एमओयू हुआ साइन

ग्वालियर(नईदुनिया प्रतिनिधि)। ग्वालियर में लगातार सड़क हादसों में हो रही मौतों को रोकने के लिए अब पुलिस ट्रेनिंग रिसर्च इंस्टीट्यूट (पीटीआरआइ) शहर के इंजीनियरिंग छात्रों की मदद लेगा। इसके लिए पीटीआरआइ और एमआइटीएस के बीच एमओयू भी साइन हुआ है। जिसके तहत ग्वालियर के ब्लैक स्पाट, जहां लगातार सड़क हादसे हो रहे हैं, वहां ट्रैफिक इंजीनियरिंग से जुड़ी खामियां इंजीनियरिंग छात्र ढूँढ़ेंगे। हादसों की तकनीकी वजह तलाश में के बाद इसे कैसे सुधारा जा सकता है, इसकी भी रिपोर्ट बनाकर एमआइटीएस की ओर से पीटीआरआइ को दी जाएगी। इस पर पीटीआरआइ अमल करेगी। इतना ही नहीं ट्रैफिक सुधार को लेकर भी इंजीनियरिंग छात्र सर्वे करेंगे।

दरअसल ग्वालियर में लगातार सड़क हादसे हो रहे हैं। 16 माह में ही 470 लोगों ने सड़क हादसों में अपनी जान गंवाई। इसके अलावा वदहाल ट्रैफिक शहर की सबसे बड़ी समस्या है। इसे लेकर पीटीआरआइ भी चिंतित है। इसी के चलते हादसे रोकने और ट्रैफिक सुधार के लिए पीटीआरआइ ने शहर के प्रमुख इंजीनियरिंग संस्थान एमआइटीएस के साथ तीन जून को एमओयू साइन किया है। भोपाल में तीन जून को पीटीआरआइ के एडीजी जी.जनाबदन और एमआइटीएस के निदेशक डा. आरके पंडित ने यह एमओयू साइन किया। अब इस समझौते के तहत एमआइटीएस के छात्र हादसों को रोकने और ट्रैफिक को व्यवस्थित करने के लिए पहले सर्वे करेंगे, इसके बाद इसमें सुधार के लिए रिपोर्ट तैयार करेंगे।



छात्रों के समूह बनाकर दिया जाएगा प्रोजेक्ट

सड़क दुर्घटनाओं से संबंधित डाटा को मशीन लर्निंग तकनीक की मदद से एनालिसिस करेंगे, इसके बाद इन्हें रोकने के लिए सर्वे कराकर रिपोर्ट तैयार की जाएगी। संस्थान के सिविल, मैकेनिकल, आर्किटेक्चर और कंप्यूटर साइंस के जरिए ट्रैफिक समस्याओं को कैसे सुधारा जा सकता है, इसके लिए छात्र काम करेंगे। छात्रों के समूह बनाकर प्रोजेक्ट दिया जाएगा। **डा. आरके पंडित**, निदेशक, एमआइटीएस

अब यह होगा

हादसे

हादसे रोकने के लिए उन स्पाट को चिन्हित किया जाएगा, जहां सबसे ज्यादा हादसे होते हैं। ग्वालियर में ऐसे पांच ब्लैक स्पाट पुलिस ने चिन्हित किए हैं। जिसमें सिकरीदा तिराहा, जौरासी घाटी, सिमरिया टंकरी, कल्याणी चौराहा, पुरानी छावनी रोड शामिल है। यहां एमआइटीएस के छात्र उन तकनीकी खामियों को ढूँढ़ेंगे, जिनके कारण हादसे हो रहे हैं। कई जगह ट्रैफिक इंजीनियरिंग से जुड़ी खामियां हैं, इन्हें दूर करने के लिए छात्र यहां जाकर सर्वे करेंगे फिर इसकी रिपोर्ट तैयार करेंगे।

ट्रैफिक

ट्रैफिक सुधार के लिए आर्टिफिशियल इंटेलिजेंस, मशीन लर्निंग और डाटा साइंस का प्रयोग कर सर्वे किया जाएगा। शहर के उन स्थानों को चिन्हित किया जाएगा, जहां ट्रैफिक सबसे ज्यादा अव्यवस्थित है। यहां सर्वे किया जाएगा। ट्रैफिक अव्यवस्थित होने के कारण ढूँढ़े जाएंगे। कई जगह ट्रैफिक सिग्नल की टाइमिंग जाम की वजह है, इसे सुधारने सुझाव देंगे। पार्किंग जोन, डिवाइडर और ट्रैफिक सिग्नल की दूरी को लेकर सर्वे होगा। कहां ट्रैफिक सिग्नल की जरूरत है, कहां आवश्यकता न होने पर भी ट्रैफिक सिग्नल लगे हैं ऐसे स्थान भी छात्र ढूँढ़ेंगे। ट्रैफिक सुधार के लिए फोटोग्राफी, ड्रोन फोटोग्राफी भी कराई जाएगी।

जागरूकता अभियान चलाकर युवाओं को जोड़ेंगे

छात्र जागरूकता अभियान भी चलाएंगे। यातायात नियमों का पालन करने के लिए लोगों को जागरूक करने के उद्देश्य से नुककड़ नाटक और अन्य कार्यक्रम आयोजित किए जाएंगे। इंटरनेट मीडिया के माध्यम से भी अभियान चलाया जाएगा।

कर्मठ राजनीति

RNI.No. MPHIN/2017/73313

भोपाल, रविवार 05 जून 2022

Digital



Whats App



Instagram



Facebook



Twitter

Edition

MITs एवं PTRI भोपाल के बीच एमओयू पर हुए हस्ताक्षर

ग्वालियर। सड़क यातायात की स्थिति और सड़क हादसे में सुधार लाने के उद्देश्य को लेकर प्रदेश के दो प्रमुख संस्थानों माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (एम.आई.टी.एस.) एवं पुलिस प्रशिक्षण एवं अनुसंधान संस्थान (पी.टी.आर.आई.) भोपाल के



बीच एक एमओयू हस्ताक्षरित किया गया जिससे सड़क यातायात में मूलचूल सुधार लाया जा सके। एम.आई.टी.एस. की ओर से संस्थान के संचालक डॉ. आर. के. पंडित एवं पी.टी.आर.आई. भोपाल की ओर से एडीजीपी जी. जनार्दन ने उक्त समझौते पर हस्ताक्षर किए। इसके अंतर्गत यातायात व्यवस्था को आधुनिक और सुरक्षित बनाने के

लिए आर्टिफिशियल इंटेलिजेंस, मशीन लर्निंग, इन्टरनेट ऑफ थिंग्स और डाटा साइंस का प्रयोग करके नयी कार्य प्रणाली विकसित की जाएगी। कार्यक्रम के इस अवसर पर एम.आई.टी.एस. के प्रोफेसर एवं विभागाध्यक्ष (आई.टी.) डॉ. अखिलेश तिवारी एवं पी.टी.आर.आई. भोपाल के आई.जी. मनोजरॉय, मंजुला खत्री, प्रतिपाल सिंह महोबिया, राहुल देवलिया, पूजा त्रिपाठी एवं कई अन्य कर्मचारी उपस्थित रहे।



Item 32: To inform about sanction of 2-day NAAC sponsored workshop on “Curriculum Development for the effective implementation of NEP-2020” on 3rd -4th September 2022

—The IQAC was informed about the sanction of 2-day workshop from NAAC on “Curriculum Development for the effective implementation of NEP-2020”.

<p>ಪ್ರೊ. ಎಸ್.ಸಿ. ಶರ್ಮಾ ನಿರ್ದೇಶಕರು ಪ್ರೊ. ಎಸ್.ಸಿ. ಶರ್ಮಾ ನಿರ್ದೇಶಕ Prof. S.C. Sharma Director</p>		<p>ರಾಷ್ಟ್ರೀಯ ಮೌಲ್ಯಾಂಕನ ಮತ್ತು ಮಾನ್ಯತಾ ಪರಿಷತ್ತು ವಿಶ್ವವಿದ್ಯಾಲಯ ಅನುದಾನ ಆಯೋಗದ ಸ್ವಾಯತ್ತ ಸಂಸ್ಥೆ राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL An Autonomous Institution of the University Grants Commission</p>
<p>NAAC/Seminar/LG /2022/30</p>		<p>30th May 2022</p>
<p>The Principal Madhav Institute of Technology and Science Racecourse Road, near Gola Ka Mandir, Gwalior – 474005, Madhya Pradesh</p>		
<p><i>Respected Sir/Madam,</i></p>		
<p><i>Greetings from NAAC.</i></p>		
<p>This is with reference to your proposal seeking NAAC financial assistance/academic support for organizing state/national level workshop/seminar/conference in your institution on the topic Curriculum Development for the effective implementation of NEP-2020. After due consideration your proposal has been accepted for financial assistance of Rs.30,000/- (Rupees Thirty-Thousand only). Due to new Corona Virus Disease 2019 (COVID 19), NAAC encourages the HEIs organising seminars though online mode. Therefore, NAAC sponsorship for financial assistance under different heads has been revised. The balance amount required to organize this activity may kindly be mobilized at your end. The financial assistance is subject to the adherence to the enclosed procedures for release of sanctioned grants and settlement of the same. NAAC appreciates the initiative taken by your institution and hope that the institution will continue to strive for quality and excellence in Higher Education.</p>		
<p>The seminar/workshop has to be conducted on the scheduled date(s) as mentioned in the seminar proposals sent to NAAC. In case of any change in scheduled date due to COVID 19 the institution should inform NAAC the exact date of the seminar. The claims have to be received by NAAC on or before a month after seminar/workshop. In case of any delay in submission of the claims the reimbursement will not be made and NAAC will not be liable for the expenditure incurred.</p>		
<p>Yours sincerely,</p>		
<p> (Prof. S.C.Sharma)</p>		
<p>Encl: a/a Cc: Western Region Coordinator (Dr. Devender S. Kawday, Adviser, NAAC; devender.kawday@naac.gov.in) Member Convener, Seminar Committee, NAAC. Dr. Leena Gahane, Deputy Adviser, NAAC; leenagahane.naac@gmail.com</p>		



Item 33: To reporting about institutional publications and patents of last 3 years as collected by the NIRF

Publications / Citations / Patent (For last 3 calendar years, i.e. 2018-2020)

Note: To input concern, click on 'Yes' for the question 'Do you have query related to Publications / Citations / Patent?', select the issue from the dropdown, type in your Observation/Query and click on 'Send' button.

Source	Publications	Citations
Web of Science	134	542
Scopus	235	1053

Source	Granted	Published
Patent	0	8

- NIRF informed that a common window was chosen from **14th March 2022 to 30th March 2022** for compiling this data.
- For Scopus data, all affiliation ID's as of **28th March 2022 to 30th March 2022** were **searched**. Any new affiliation ID's created after this date were not admissible for this year's ranking.
- With regards to Patent Data, patent records provided by the Institute were searched in different sources/databases to match the details, i.e. InPASS, Derwent Innovation, Google Patents, USPTO, Australian Patents, etc.**
- Patent counts are provided solely based on the patent data provided by the Institute only.**
- The NIRF informed that many copyrights and designs provided in the Excel Sheet by institutions were rejected after verification.
- Duplicate patent records found in the same sheet having same application number, titles, and application dates have been rejected.**



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Item 34: To review the implementation and monitoring of the mentor-mentee scheme of the institute

—The IQAC reviewed the existing practices for the implementation and monitoring of the mentor-mentee scheme of the institute

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No.: 1736 Date: 27.09.2021

ORDER

It is aware that, the Mentor-Mentee Scheme is already implemented in the Institute under the **Students Support** to mentor the students for academic and other related issues.

In this regard, Dr. Sunita Sharma, Assistant Professor, Department of Biotechnology is appointed as Institute Coordinator for Mentor-Mentee Scheme w.e.f. academic year 2021-22.

Dr. Sharma will coordinate Mentor-Mentee Scheme in association with class coordinators of all the departments.

M. Pandit
Director 27/9/2021

Copy to:

- (i) All Deans,
- (ii) All Head of the Departments,
- (iii) Registrar,
- (iv) Controller Examination,
- (v) HR Section,
- (vi) Director office.

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Ref: DA/MP/2022/1486 Date: 17.05.2022

Notice

With reference to mail dated 17.05.2022 by Coordinator Mentor-Mentee scheme, please ensure that all faculty of your department have verified that their mentees have submitted/uploaded details on the supplied link.

https://docs.google.com/forms/d/e/1FAIpQLSdnYMR5fYV_zmURExNEKD4SPRv6rY_GheZopYs_vYFqOoLyB-A/viewform

Please treat this as very important for regulatory purposes such as NAAC accreditation.

Please circulate the following format among the faculty members and send it to the office of the Dean Academics, latest by 31st May 2022.

Name of the Department-----

S. No.	Faculty Mentor	No. of Mentees Assigned	Details uploaded (Yes/No) by mentees on the given link	Signature of Faculty Mentor

(Name & Signature of the HoD)

M. Pandit
10/5/2022

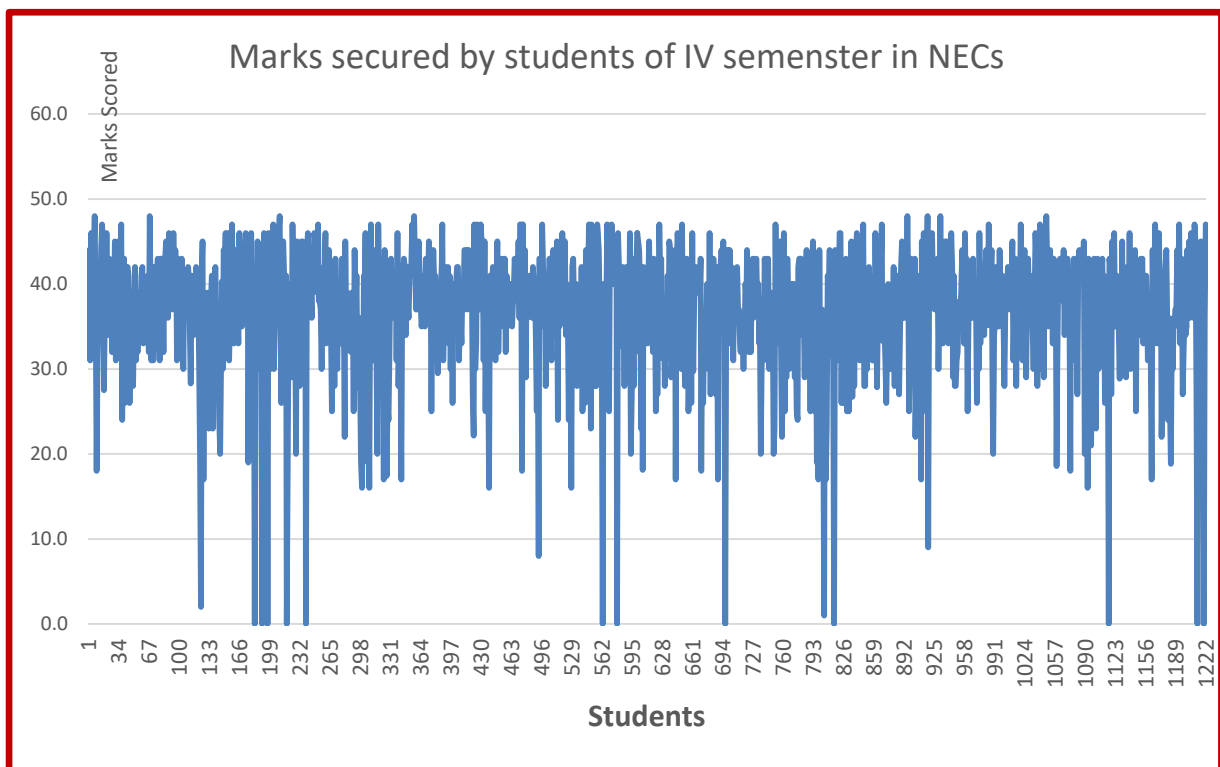
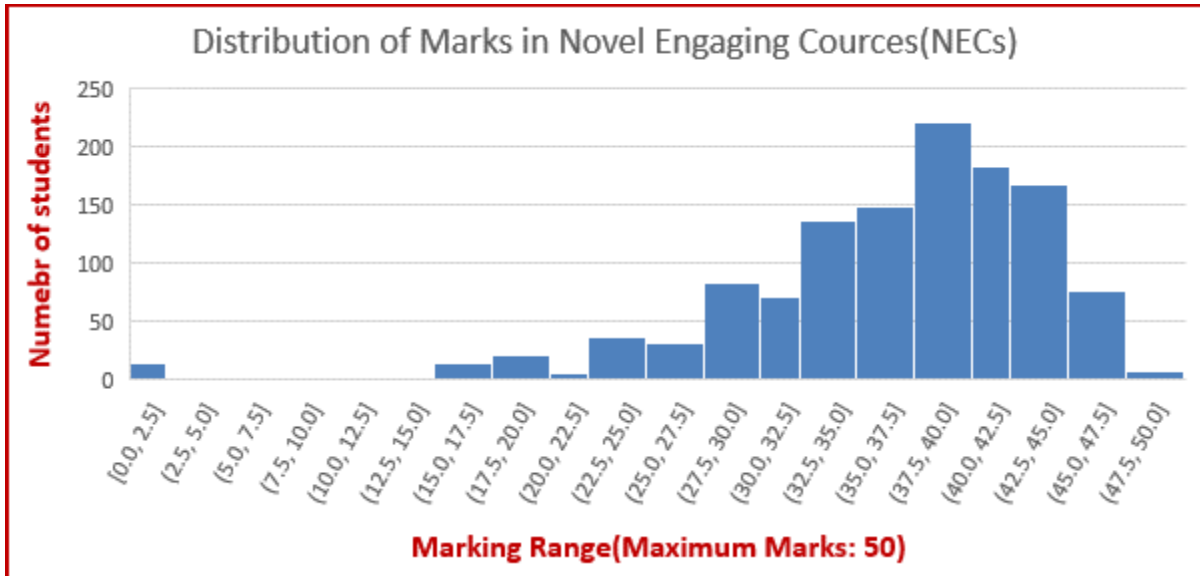
(Dr. Manjaree Pandit)
Dean Academics

Copy to:

- I. All HoDs for circulation
- II. Dr. Sunita Sharma, Coordinator
- III. Registrar
- IV. Director Office
- V. Dean Academics

Item 35: To review on evaluation of NEC offered for the IV semester students

- The IQAC reviewed the evaluation mechanism of NEC for the Jan-June 2022 semester.
- It was found that highest number of students were scoring in the range 37.5 to 40 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, July-December 2022 was also presented.



**LIST OF NOVEL ENGAGING COURSES JULY - DEC. 2022**

Sr.	Course Name & Code	Mentor	Mentor Deptt.
1	3D Printing (2000001)	Gavendra Norkey	ME
2	Amateur Radio Communication (2000002)	Vandana Vikas Thakare	EE
3	Design Skills Using Simulation Software (2000003)	Sharad Agrawal	ME
4	Data Analysis Skills (2000004)	D K Jain	MAC.
5	Robotics (2000007)	Karuna Markam	EC
6	Vehicular Skill Development (2000008)	Vedansh Chaturvedi	ME
7	Animation (2000009)	Amit Manjhvar	CSE
8	Digital Learning* - I (2000010)	Punit Kumar Johari	IT
9	Elements of Photographic Skills (2000012)	D.K. Parsediya	EC
10	Environment Protection* - I (2000013)	Aditya K. Agarwal	CE
11	National Service Scheme** (NSS) - I (2000016)	Manish Sagar	NSS
12	National Service Scheme** (NSS) - III (2000018)	Manish Sagar	NSS
13	National Cadet Corps** (NCC) - I (2000020)	B.P.S. Bhadoria	NCC
14	National Cadet Corps** (NCC) - III (2000022)	B.P.S. Bhadoria	NCC
15	Organic Farming (2000028)	Archana Tiwari	CE
16	Games & Sports** - I (2000032)	B.P.S. Bhadoria	Sports
17	Games & Sports** - III, (2000034)	B.P.S. Bhadoria	Sports
18	Alternative Therapies** - I (2000038)	Sunita Sharma	BT
19	Holistic Health* - I (2000042)	Vishal Chaudhary	EE
20	Sculpture Making* - I (2000046)	Pranshi Jain	Arch.
21	English Literary Skills (2000048)	Sanjeev Khanna	Humanities
22	Hindi Language Skills (2000049)	A.S. Ojha	MAC
23	Preliminary Journalism Skills (2000050)	Anish P. Jacob	CM
24	Food and Nutrition (2000052)	Anjula Gaur	App. Sc.
25	Career Guidance & Preparedness (2000053)	Praveen Bansal & Swati Gupta	EE & CM.
26	Public Speaking* - I (2000058)	Manish Dixit & Ankita Sengar	CSE & Arch.
27	Coding Skills** - I (2000060)	Rajni Ranjan Singh	CSE
28	Coding Skills** - III (2000062)	Rajni Ranjan Singh	CSE
29	Emerging Technologies in Computer Science (2000064)	Mahesh Parmar	CSE
30	Software Development** - I (2000066)	Atul Chauhan	Data Resource
31	Software Development** - III (2000068)	Atul Chauhan	Data Resource
32	Photo Editing Software: Adobe Photoshop (2000070)	Versha Sinha	Arch.
33	Basics of Technical Analysis in Stocks (2000071)	Ankit Kumar	Arch.
34	Graphic Design (2000072)	Satyam Shukla	Arch.
35	World Heritage Sites: A Brief Overview (2000073)	Richa Mishra	Arch.
36	Basic and Advanced Excel (2000074)	Abhilash Shukla	CE
37	Shilpa Samhita : Philosophy of Indian Ancient Geotechnical Engineering (2000075)	Chayan Gupta	CE
38	Fire Safety and Regulation in Building (2000076)	Hemant Shrivastava	CE
39	Developments in Pavement Construction: Past to Future (2000077)	Jayvant Choudhary	CE
40	SPSS For Data Analysis (2000078)	Prachi Singh	CE
41	Shutter Up-Flash Me Photography (2000080)	Shourabh Raghuwanshi	CM
42	Science and Technology Around Us (2000081)	Rakesh Dubey	CM
43	Cloud Computing: Techniques & Tools (2000083)	Mir Shahnawaz Ahmad	CSE
44	Role of MATLAB in Computations (2000084)	Ranjeet Kumar Singh	CSE
45	Demystifying Online Social networks (2000085)	Arun Kumar	CSE
46	Gender Sensitization (2000088)	Anshu Chaturvedi	CSE
47	IT Tools (2000089)	Abhishek Dixit	IT
48	Understanding Financial Markets (2000090)	Saamil Maheshwari	IT
49	Intellectual Property : Rules, Drafting and Processing (2000091)	Vikram Rajpoot	IT
50	Modern techniques for business correspondence (2000093)	Namrata Agrawal	IT
51	Integrating Engineering and Literacy (2000094)	Tej Singh	IT (AIR)
52	Imbalance Learning (2000095)	Bhagat Singh Raghuwanshi	IT (AIR)
53	Python for Image processing applications using Open CV (2000096)	Pawan Dubey	IT (AIR)
54	MATLAB: Applications in Mathematical Biology (2000098)	Divya Chaturvedi	MAC
55	Basics and Applications of Mathematica (2000099)	Atul Kumar Ray	MAC



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56	Technical Report Writing for Engineers (2000100)	Minakshi	MAC
57	Proficiency in Microsoft Excel (2000101)	Nikhil Paliwal	EE
58	Fundamentals of Electronics Devices (2000102)	Manoj Kumar	EE
59	Microsoft Visio: Scratch to Advance (2000103)	Bhavna Rathore	EE
60	Renewable Energy Technology: Domestic load requirements (2000106)	Rahul Sagwal	EE
61	Electrical Wiring, hazards & safety (2000107)	Saurabh Rajput	EE
62	Basics of MATLAB Programming (2000108)	Sandeep Sharma	EC
63	Basic Programming of Python using Google Colab (2000109)	Hemant Choubey	EC
64	LT Spice Tutorial for Circuit Simulation (2000110)	Vikas Mahor	EC
65	Research Paper Writing (2000111)	Dinesh Rano	EC
66	Understanding Logic Gates (2000114)	Rahul Dubey	EC
67	MATLAB Simulink (2000115)	Deepak Batham	EC
68	CFD Foundation Course using ANSYS FLUENT (2000117)	Subash Chand Pal	ME
69	Solar Applications (2000118)	Ravi Kant Ranjan	ME
70	Computational Methods for Engineers using MATLAB (2000119)	Nitin Upadhyay	ME
71	Role of Non-Destructive Testing (NDT) in modern inspection technology (2000120)	Surendra Chourasiya	ME
72	Creative thinking and problem solving (2000121)	Harbhajan Ahirwar	ME
73	Material Characterization Techniques for Engineering Applications (2000122)	Dinesh Rathore	ME
74	System Dynamics: Using Bond Graph Approach (2000123)	Neeraj Mishra	ME
75	Basics of Campus Recruitment Training (2000124)	Trilok Pratap Singh	MBA
76	Corporate Governance (2000125)	Namrata Gupta	MBA
77	Professional Networking & CSR (2000126)	Monica Chauhan Bhadoriya	MBA
78	Craft practices in India (2000127)	Gautam Bhadoriya	CE
79	Design of Heat Exchangers (2000128)	Ashish Agrawal	ME
80	Smart Grid (2000129)	Himmat Singh	EE
81	Study of Historical Monuments of Gwalior (2000130)	Jaimala Jha	CSE
82	An Introduction to Queueing Systems and its Applications (2000131)	J.K. Muthele	MAC
83	Image processing using MATLAB (2000132)	Khushboo Agarwal	CSE
84	Digital Circuit Design (2000133)	Kuldeep Swarnkar	EE
85	Practical Electronics for Inventors (2000134)	Madhav Singh	EC
86	Research Paper Preparation and Publication -Basics (2000135)	Rakesh Narvey	EE
87	Basics of Control Systems for Engineers (2000136)	R. P. Narwaria	EC
88	Computational Thinking for Problem Solving (2000137)	Sanjiv Sharma	IT
89	Introduction to Auto CAD for Engineers (2000138)	Utkarsh Srivastava	ME
90	Smart Home Technologies (2000139)	Vikas Shejwar	IT
91	OrCAD PSpice (2000140)	Yashwant Sawle	EE
92	Electrical Safety (2000141)	Vijay Bhuria	EE
93	Microsoft Office-Excel Skills (2000142)	Abhilash Sonker	IT
94	Know your Country: History, Culture & Traditions (2000143)	Neha Bhardwaj	IT
95	Technical writing (2000144)	Nidhi Saxena	IT
96	“The Smith Chart” concepts for solving complex network problems (2000145)	Pooja Sahoo	EC
97	Basic Course in Numerical Simulation using Scilab (2000146)	Vikram Saini	EE
98	Digital Image Enhancement Techniques (2000147)	Shubhi Kansal	EC
99	Project Management (2000148)	Jyoti Vimal	ME
100	Software Model and Project Management Life Cycle (2000149)	Parul Saxena	CSE
101	Statistical data analysis through programming (2000150)	Dhananjay Bisen	IT
102	Innovation: From Creativity to Entrepreneurship**-I (2000151)	Ankit Tiwari	EE
103	Entrepreneurship: Concept to Company*-I (2000155)	Varun Sharma	EC
104	Bhagwad Gita- An Introduction (2000157)	C S Malvi	ME

Note:

- (i) Courses marked with * are of two parts (Part –I & II will run in two semesters). One credit for each part.
- (ii) Courses marked with ** are of four parts (Part – I, II, III & IV will run in four semesters). One credit for each part.
- (iii) Remaining all courses are of one credit each.
- (iv) Course 2000151 is for III Semester students only.
- (v) Course 2000155 is for V Semester students only.
- (vi) All courses are open for both III & V Semester students except 2000151 & 2000155 (subject to the condition that the courses studied earlier during session 2021-22 by 2020 admitted batch cannot be taken again).



Item 36 : To report about action taken for environmental protection through re-iteration of plastic ban in the campus post COVID

—Plastic ban campaign was formally launched in the institute vide letter no 2963 dated 28.09.2019.

—Post COVID, a fresh initiative was launched to create awareness about the issue.

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No.: 834 Date: 23.05.2022
24

BAN OF PLASTIC USE IN INSTITUTE

Plastic waste has emerged as one of the biggest environmental concerns adversely impacting the soil, water & human health etc. The limited waste disposal systems have become a challenge to dispose of plastic waste materials, especially single-use plastic.

To reduce the usage of plastic, the University Grants Commission has issued special guidelines to all the higher education institutions to impose a ban on single-use plastics in the campus. Accordingly, it is hereby circulated for the information of all concerned that the competent authority of Institute has decided to take the following steps to put a ban on single-use plastic materials on the campus:

1. To ban the use of single-use plastics in canteens, campus premises, hostels, etc
2. To strive to make the campus plastic-free by systematically banning the use of plastics and replacing the same with suitable environmental friendly substitutes
3. To carry out awareness drives and sensitization workshops on the harmful impacts of single-use plastics by the "Green Volunteers" committee.
4. To mandate all students/ staff members to avoid bringing non-biodegradable plastic items on the campus
5. To avoid the use of plastic water bottles, and bags and encourage the use of alternative solutions like cloth bags, paper bags etc.
6. To keep signboards at various places to give wide publicity to ban on the use of plastic polythene on the campus.

Timeline

1. Order/reminders related to banning plastic on campus [0 month- Recurring]
2. Formation of Green Volunteer Committee. [1 month]
3. Signboards at various places on the campus [1 month]
4. Organisation of awareness Program for Internal & External Stakeholders [Recurring event]

All faculty, staff and students of the Institute are required to ensure adherence with above guidelines for the development of Sustainable Environment.

(Dr. R. K. Pandit)
24.5.22
Director

Copy to:

- (i) All Head of the Departments
- (ii) All Sections/Cell In-charge
- (iii) Chief Warden
- (iv) Registrar
- (v) Deputy Registrar
- (vi) Director Office

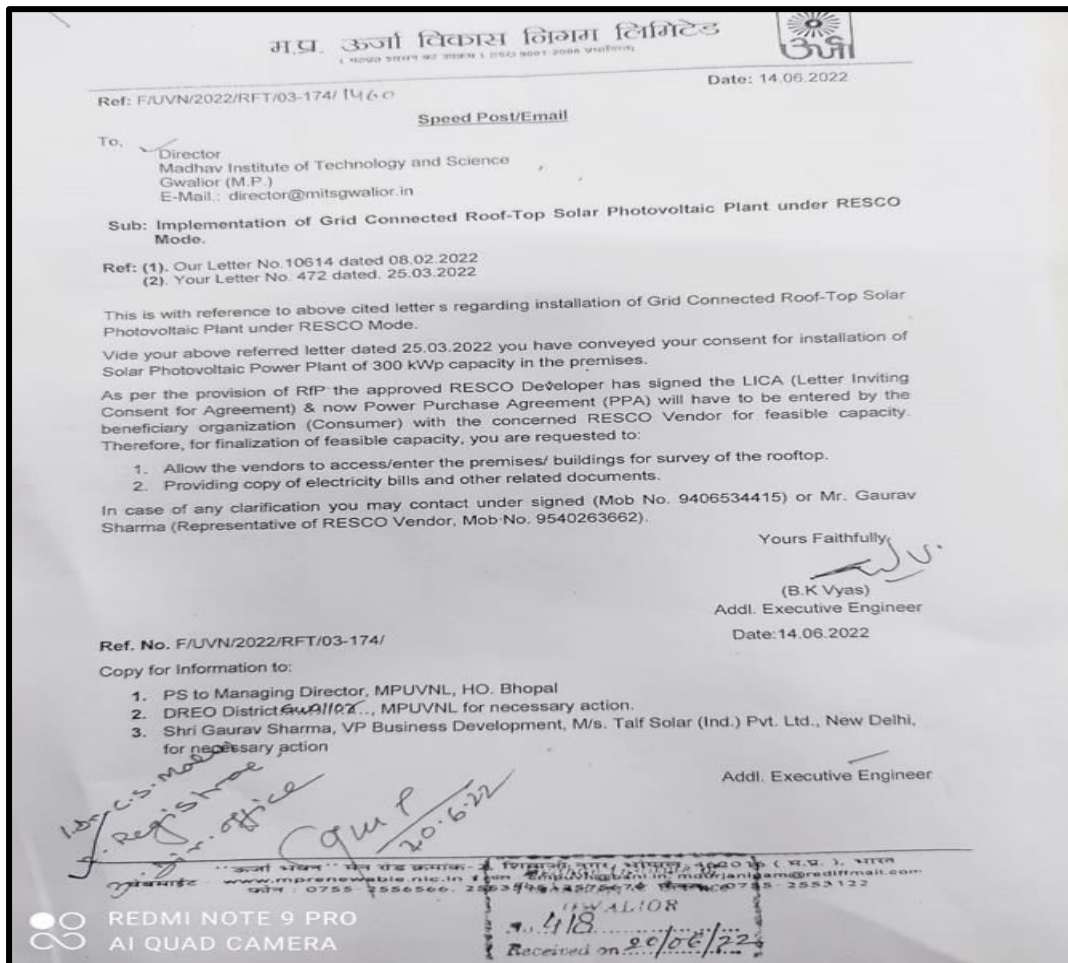
Item 37: Sanction of 300kWp rooftop solar power plant in the institute under the RESCO model



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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- The IQAC was briefed about the sanction of a new 300kWp rooftop solar power plant in the institute under the RESCO model
- The institute has a 100kWp rooftop solar power plant, with net metering, functional since November 2019.
 - ✓ This plant generates about 1.35 Lac units per year
 - ✓ Export to the grid is about 6000-7000 units per year
 - ✓ The present total annual demand is about 4.35 Lac units, however pre-Covid load was about 10.5 Lac units.
 - ✓ Thus, **about 30 % of the demand in MITS is met by the solar plant**, presently and if pre-Covid scenario is assumed then about 12.5% demand will be met by the solar plant
 - ✓ There is a saving of about 12-12.5 Lac rupees annually, i.e. about 26%, under pre-Covid scenario the saving will be about 10.5%.
 - ✓ Generation of about 1.20 Lac kilograms of CO₂ emission is prevented by this green initiative.
 - ✓ A fully grown tree can roughly absorb around 20 kilograms of carbon dioxide (CO₂) per year, which is equivalent to having 6000 fully grown trees.
- The addition of 300kWp plant will be a big step in environmental preservation.
- It is expected that the enhanced solar capacity will result in reducing about 4.8 Lac kilograms of CO₂ from the global atmosphere.



Item 38: To report about conduction of Youth Festival on 2nd May, 2022

- The brief report of the Youth Fest - Cenarius 2.0 was presented along with the glimpses and activities.

REPORT OF YOUTH FEST - CENARIUS 2.0

- Youth Fest 'Cenarius 2.0' was organised in the institute on 2nd May 2022. Various activities were conducted by the students in the campus on this day. The Core committee of faculty members were also constituted to monitor the various activities organised in **Cenarius 2.0**.
- The programme was inaugurated by Secretary SECS, Er. Ramesh Agrawal in the Student Activity Centre.
- In the inaugural programme Director of the institute Dr.R.K.Pandit said that extra-curricular activities are very important for holistic development of young minds.
- The programme was started with open Mic performances. The judge of the programme was Balshree award winner and brand ambassador of Beti Bachao - Beti Padhao abhiyan of Madhya Pradesh Government, Ms Adya Dikshit.
- In this youth festival, activities of Music, dancing and other literary activities like poem recitations etc were conducted by students. In the DJ night, DH Rhea, Mumbai based renowned DJ artist (popular among youths) gave her performance.



Item 39. To apprise the house about the initiatives to promote Innovation, Incubation and Start-up activities in the Institute

- The IQAC was briefed about the status of Innovation, Incubation and Start-up activities in the Institute



- On **26.05.2022**, presentations for boosting idea generation, start-up and innovation activities were delivered by each Head of the department. (Order No.837 dated 20.05.2022)
- Instructions were given to all departments to conduct In-house workshop and brain storming session for boosting idea generation, start-up and innovation activities at the institute. *Departments were also instructed to prepare a detailed report/action plan. (Order No. 719 dated 04.05.2022).*
- The following new team is constituted to work in the innovation, incubation and Start-up Cell of the Institute: (*Order No. 700 dated 29.04.2022*).
 - Mr. Ankit Tiwari
 - Dr. Varun Sharma
 - Dr. Shubhi Kansal
 - Dr. Nitin Upadhyay
 - Dr. Anjula Mehto
 - Mr. Nikhil Paliwal
- Exclusive session on innovation, start up and CSR funding was organized on **18.04.2022** for all regular faculty members. (*Order No. 609 dated 13.04.2022*).
- On 07.03.2022, Dr. Ankit Tiwari, Assistant Professor, Department of Electrical Engineering is appointed as Faculty on Special Duty for the promotion Innovation, Incubation, Start-up and other associated activities in the Institute. (*Order No. 361 dated 07.03.2022*).
- The Institute is in process of collaboration with **Indian Institute of Technology, Kanpur** for innovations and entrepreneurship.
 - The initial meeting with **Dr Nikhil Agarwal**, Chief Executive Officer – IIT Kanpur FIRST (Foundation for Innovation & Research in Science & Technology) & AIIDE (Artificial Intelligence and Innovation Driven Entrepreneurship) & IITK team was held on **24.02.2022**. Under this MoU following are the proposed activities to promote Innovation, Idea Generation, product Development, Incubation & Startup activities to:
 - create a vibrant innovation ecosystem in the Institute and Gwalior-Chambal Sambhag.
 - support for Start-up & Innovative Product Development.
 - ranking of institutions on innovation achievements framework.
 - development of an ecosystem for scouting ideas and pre-incubation of ideas.
 - develop better cognitive ability among students of Institute and Madhya Pradesh.
 - to conduct various Innovation, IPR and entrepreneurship-related activities in time bound fashion.
 - identify and reward innovations and share success stories.
 - organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators. Network with peers and national entrepreneurship development organizations.
 - create an EDC's Innovation portal to highlight innovative projects carried out by institution's faculty and students.
 - organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries

Item 40: To appraise the house about the status of Academic Bank of Credit system implementation in the Institute.

- As per the National Education Policy 2020, MITS has on board Academic Bank of Credits (ABC) scheme established on the lines of the National Academic Depository (NAD), in the month of May 2022 through registration on NAD portal.
- ABC will enable students to register or commence credit transfer, the final outcomes of credit redemption and issuance of certificates, as well as the compilation of award records, as administered by institute via the NAD Platform.
- The institute has nominated Dr. Sunita Sharma, Dy Controller Exam as Nodal Officer and Mr. Punit Johari, Assistant Controller, Exam is Verifying Officer of NAD.
- To begin with, the institute has prepared the result data of 2021 admitted batch (I sem) students for the generation of digital mark sheets and finally being available in Digi locker account of students after verification process.

Item 41: Report of the Gender Sensitization Activities for Jan-June 2022

city event एमआइटीएस में चर्चा
**महिलाओं की प्राथमिकताओं को
अनदेखा करना जेंडर ब्लाइंडनेस**

ग्वालियर **plus** रिपोर्टर.
माधव इंस्टिट्यूट ऑफ
टेक्नोलॉजी एंड साइंस
महाविद्यालय में गर्ल्स ग्रीवांस सेल
की ओर से जेंडर ब्लाइंडनेस
विषय पर सामूहिक चर्चा हुई।
उन्होंने जेंडर ब्लाइंडनेस पर प्रकाश
डाला। उन्होंने बताया कि महिलाओं
और पुरुषों की विभिन्न भूमिकाओं,
जिम्मेदारियों, क्षमताओं, जरूरतों
और प्राथमिकताओं की अनदेखी
करना जेंडर ब्लाइंडनेस है। क्योंकि
प्रबंधन नियमों को डिजाइन या



संशोधित करते समय महिलाओं की
जरूरतों, प्राथमिकताओं और ज्ञान
को अनदेखा किया जाता है।
आयोजन गर्ल्स ग्रीवांस सेल की
अध्यक्ष डॉ अंशु चतुर्वेदी ने किया।

The activity report of the Girls Grievance Cell (Year 2021-2022) is enclosed as Annexure-V

Meeting ended with the thanks to chair.



(Dr. Pratesh Jayaswal)



(Dr. R. K. Pandit)



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Coordinator IQAC

DIRECTOR

Date: 30.06.2022