



**Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 23<sup>rd</sup> December 2021**

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **23<sup>rd</sup> December, 2021** 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-**

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 & Dean Academics
2. Dr. Rajeev Kansal, Professor Civil Engineering & Dean, Student Welfare
3. Dr. Manoj Kumar Gaur, Professor & Head, Mechanical Engineering
4. Dr. Akhilesh Tiwari, Professor & Head, Information Technology
5. Dr. Vandana Vikas Thakre, Associate Professor, Electronics Engineering
6. Prof. Prabhakar Sharma, Assistant Professor (SG), Mathematics & Computing
7. Prof. Praveen Bansal, Assistant Professor, Electrical Engineering
8. 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. Mr. Vineesh Modi, Student\*

**Coordinator of the IQAC-**

Dr. Pratesh Jayaswal, Professor & Coordinator, IQAC

*\*Attended through online mode*



**The following deliberations took place in the meeting. The item wise details are as follows:**

**Item. 1: To confirm the minutes of the IQAC meeting on 8<sup>th</sup> October, 2021**

- The minutes of the previous IQAC meeting dated 08.10.2021 regarding following points were confirmed:
- The minutes of the IQAC meeting on 25th June, 2021 were briefly discussed and confirmed.
  - The Action Plan for Annual Submission of AQAR and preparation for the Second Cycle of Accreditation by NAAC was presented along with the summary of meetings conducted for this purpose.
  - The mechanism and provisions in place to identify slow learners so that their attendance, performance and progress can be monitored, was reviewed. The data on fast, medium & slow digital learners as identified at the department level, with the help of class coordinators, along with the institutional average, was presented.
  - The Administrative Efficiency Index (AEI) for the Jan-June 2021 session, computed using 60 parameters, was presented, as per regular practice.
  - The reports of In-House Internships (SIP-I) and (SIP-II) along with Finishing Schools Conducted was presented with list of modules, registration of students and their feedback. Also, the comments and suggestions given by students for improvement were discussed.
  - The results of January-June 2021 semester examination were reviewed.
  - The Director informed the House that 'Under the Flexible Curriculum Minors/honours degrees are awarded to students admitted in 2017-2021 batch'. This was the first time such a provision was implemented in Madhya Pradesh.
  - The NPTEL Local Chapter report for the period January – June 2021 was reviewed along with the student and faculty achievements.
  - The brief report on NSS activities conducted during Year 2020-21 was presented and the initiatives taken for providing support and creating Covid awareness in society were reviewed.
  - Discussion about starting the academic activities in regular off-line mode was held and initiatives taken so far were discussed.
  - The existing Research Promotion Policy was discussed and the report of review of the 'Innovative Research Scheme (IRS)' was presented.
  - The House was briefed about the 'Farewell to passing out batch 2021' which was conducted in online mode on 3rd July, 2021 in order to maintain the tradition.
  - The Director briefed about AICTE approval/sanction to start 3 new UG Programmes in 'Artificial Intelligence (AI) and Data Science', 'Artificial Intelligence and Machine Learning' and 'Computer Science and Design' each with an intake 60 students
  - Report of Courses Conducted under IIRS Outreach Programme for Academic Year 2020 – 2021 was presented.



- The members reviewed the 'Brief Report on Online Classes (I Year, II Semester: 12th April 2020 to 23rd July 2021). The percentage attendance, number of quiz conducted/assignments given for continuous assessment was also shown.
- The regular practice of 'Feedback Collection on T-L-E and FFI computation' from the III & IV year students happened on institute MOODLE, for the first time, in August 2021 (on 24th -25th August 2021). The report was presented.
- The summary of appreciation letters issued to faculty members during the last 2.5 years (5 sessions) was presented. The faculty getting appreciation for teaching the First Year students during the digital semester was separately shown.
- The IQAC members were informed about the MoU signed for partnership of MITS-NPTEL Local Chapter with IIT-Madras Chapter for BSc Diploma.
- The members were briefed about the initiative taken to set-up a 'mini recording studio' in the department of Electrical Engineering and the status of MOOC development at the Central Digital Studio.
- The report on the 'implementation of the Internship/Project course at the VIII semester' and the efforts made by the institute for the same was presented.
- The In-house workshop organized on "Computation of Citations & H-Index in Scopus and Web of Science" on 7th September 2021 for the data managers was reported along with objectives and feedback of the workshop.
- The workshop on "NIRF-2022 Preparation" was organized by the NIRF Committee on 27 August 2021 was reported along with recommendations.
- The members were briefed about the initiatives taken (i) for enhancing Alumni Connect and Industry Interaction (ii) to involve students in academic and administrative bodies/committees of the institution
- The report on implementation of the "Social and Emotional Learning (SEL) sessions" by the student counsellors, as approved in IQAC meeting on 30th November 2019 (Item number 9), was presented.
- Conduction of Post Academic Council Review Meetings by the ADC cell with all HoDs & departmental representatives from 5-7 July 2021 for implementation of new scheme w.e.f. 2020-21 admitted batch onwards was reviewed.
- Paper Publication details (in SCI, ESCI, SCIE & Scopus Journals) in the Year (2020-21) along with past years w.e.f. 2017-18 onwards, were presented.
- The members were briefed about the initiative taken for the first time to conduct a two-day Faculty induction Programme (FIP-2021) for the 24 numbers of newly recruited faculty members on 9th & 10th July, 2021. The schedule, grade of faculty and new faculty).
- The identification of top five Student Clubs/ Professional Society Chapters (by the SDC based on the model approved by the IQAC on 3rd March 2020) during Academic Year 2020-21 was reviewed by the IQAC.



- The sanction of grant under SPICES (“Scheme for promoting interests, creativity and Ethics among students from AICTE) to ISTE student chapter, MITS was reported.
- The continuance of the institute practice of Conduction of “Orientation programmes for the students at the beginning of the semester” for the III and IV year students was reported.
- The members of IQAC were informed about the constitution of a committee for the registration of institute with Academics Bank of Credit, vide order No. 1402 dated 03rd August 2021 {Ref: UGC notification dated 28.07.2021 regarding Academics Bank of Credits}
- The members of IQAC were informed about the constitution of a committee to prepare the Annual Gender Sensitization Plan (vide order No. 1374 dated 30.07.2021).
- Conduction of Workshops for “Gender Sensitization” of all the employees of the institute as part of the annual gender sensitization plan, was reviewed by the IQAC.
- The Status of implementation of NEP-2020 and initiative taken by starting the “Novel Engaging courses(NEC) was reviewed by the IQAC.
- The House reviewed the (i) report of the six monthly Ph.D. review on 06.09.2021 as per institute practice (ii) status of completion of Ph.D. work of scholars during July 2020 to September 2021
- Conduction of in-house workshops by each department, on “student-centric, innovative, and effective teaching learning practices to enhance learning outcomes” was reported along with the outcomes.
- The placement status of 2021 and 2022 graduating students was reviewed.
- The exit survey report for the graduating batch 2017-2021 was presented in the meeting.

**Item. 2: To report the achievement of the NPTEL LOCAL CHAPTER, MITS, GWALIOR which has secured 5th Rank at all India level**

- The Dean Academics of the Institute has informed the House about the achievement of Institute as the SWAYAM/NPTEL local chapter of MITS appeared **in the list of 100 top ranking chapters issued by NPTEL for year 2021 and ranked 5<sup>th</sup>**. Earlier, in year 2020, the institute had ranked 13<sup>th</sup> among all active Chapters of the nation.
- **Shri Prashant Mehta, IAS, Member, BOG, Dr. Sunil Kumar, Professor**, School of Management Studies, IGNOU, New Delhi, **Director of the Institute** and other members of the IQAC have appreciated Mr. Praveen Bansal, In-charge, NPTEL/SWAYAM/MOOC of the Institute, Departments SWAYAM Coordinators & faculty mentors for their contribution for this valuable achievement.
- The Dean Academics of the Institute has also presented following report on students’/ faculty members’ performance:

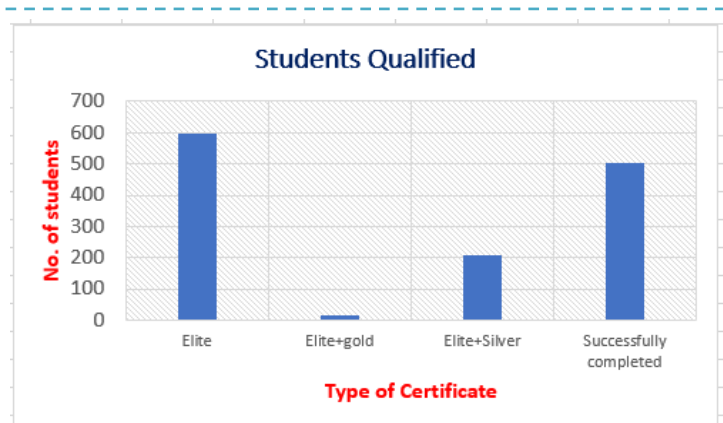
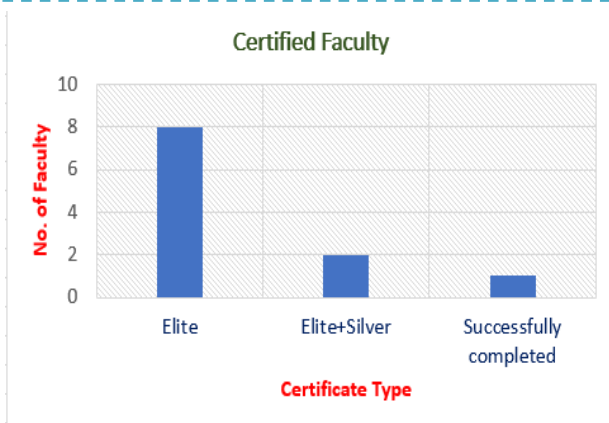


## Report on Students Performance in NPTEL Courses Run During July-December 2021

Total No. of Registrations	No of courses in which registration are made	No. of students 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 qualified exam
1847	107	1745	13	209	596	504	89	1322

## Report on Faculty Performance on SWAYAM/ NPTEL courses during July- December 2021

Total No. of Registrations	No of courses in which registration are made	No. of faculty 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 members completed FDP courses
23	20	11	--	02	08	--	--	--	06



### Item. 3: Conduction of the Faculty Induction Programme for Newly appointed Faculty (July and November, 2021) under IQAC

- The House reviewed following report of Faculty Induction Programme conducted for the Newly appointed Faculty joined in two phases:



- In the IQAC meeting on 8<sup>th</sup> October 2021, Agenda Item no.30, the conduction of FIP-I was reported.
- During this year recruitment drive was strengthened and **41 new (regular/ permanent) faculty members were appointed in two phases.**
- Initiative was taken for conduction of “**Faculty Induction Programme (FIP)**” for the newly recruited faculty members
- The initiative to conduct FIP was taken for the first time. Earlier a weeklong event was planned but due to the Covid situation, only a two-day programme was conducted to apprise the new faculty about all the practices being followed in the institute.
- In the FIP, **there were sessions on Teaching-learning, OBE, NEP-2020, NAAC accreditation, examination reforms, NIRF ranking, Flexible Curriculum and role of IQAC** for quality assurance in the institute.
- Anonymous feedback, for each session, from the faculty, was also taken after the workshop.
- Grades were given to participants based on their quiz performance after each session.
- The new faculty also took a pledge to serve the institute with dedication and to always uphold the rules regulations and traditions of the institute.

### Event Summary

S. No.	Event	From	To	Total number of participants
1.	Faculty Induction Programme (I)	09.07.2021	10.07.2021	23
2.	Faculty Induction Programme (II)	11.11.2021	12.11.2021	17



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

**GRADE SHEET WITH WEIGHTAGE FOR ATTENDANCE, QUIZZES AND ASSIGNMENT (FIP-I) July 2021**

<p style="text-align: center;"><b>Madhav Institute of Technology and Science, Gwalior</b> (A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal) Faculty Induction Programme Conducted by IQAC, 9th &amp; 10th July 2021</p>												
First Name	Department	Attendance FIP 9 & 10 July (Real)	Quiz for Session 3 (Real)	Quiz for Session 4 (NIRF)	QUIZ FOR SESSION 5 (Flexible Curriculum) (Real)	Quiz Session 6 Quality Assurance: Role of IQAC (Real)	Quiz: Quiz Session 7 (OBE) (Real)	Quiz Session 9 Moodle (Real)	Assignment Session 9 (Real)	Course total (Real) out of 80	Course total (Real) out of 100	Grading
Dr. Surendra Kumar Chourasiya	Mechanical Engineering	10	10	9	10	10	10	7	10	76.0	95.0	A+
Dr. Dinesh Kumar Rathore	Mechanical Engineering	10	9	8	9	9	10	8.67	10	73.7	92.1	A+
Dr. Jayvant Choudhary	Civil Engineering	10	9	7	10	9	9	7	10	71.0	88.8	A
RAHUL DUBEY	Electronics and Telecommunication/C	10	10	8	9	8	10	5	10	70.0	87.5	A
Dr. Saumil Maheshwari	Information Technology	10	7	8	8	8	9	10	10	70.0	87.5	A
Dr. Abhilash Shukla	Civil Engineering	10	8	7	10	8	9	7	10	69.0	86.3	A
Dr. Chayan Gupta	Civil Engineering	10	10	6	9	6	9	8	10	68.0	85.0	A
Dr. Nitin Upadhyay	Mechanical Engineering	10	9	7	8	8	9	7	10	68.0	85.0	A
Dr. Prachi Singh	Civil Engineering	10	10	5	9	8	8	7.67	10	67.7	84.6	A
Dr. Harbhajan Ahirwar	Mechanical Engineering	10	8	6	8	6	10	9	10	67.0	83.8	A
Dr. Sandeep Sharma	Electronics Engineering	10	8	7	8	8	6.67	9	10	66.7	83.3	A
Dr. Monica Chauhan Bhadoriya	Department of Management(MBA)& S	10	8	6	9	4	8	9	10	64.0	80.0	A
Dr. Hemant Shrivastava	Civil Engineering	10	9	6	10	9	8	4	8	64.0	80.0	A
Dr. Trilok Pratap Singh	Department of Management(MBA)& S	10	7	5	10	9	9	6	8	64.0	80.0	A
Dr. Shourabh Singh Raghuvanshi	Chemical Engineering	10	9	5	9	8	8	6.67	8	63.7	79.6	B+
Ms. Anjula Mehto	Computer Science	10	7	6	8	6	9	6	10	62.0	77.5	B+
DEEPAK BATHAM	Electronicengineering	10	9	6	7	3	8	8	10	61.0	76.3	B+
VIKAS MAHOR	Assistant Professor - Electronics Engin	10	8	10	9	6	9	8	-	60.0	75.0	B+
Ms. Renuka Darshyamkar	Civil Engineering	10	8	6	9	2	8	5	10	58.0	72.5	B+
Dr. Gavendra Norkey	Mechanical Engineering	10	7	8	10	9	8	-	5	57.0	71.3	B+
VIKRAM .	Electricalengineering	10	7	4	9	6	9	-	10	55.0	68.8	B
Dr. Hemant Choubey	Electronics Engineering	10	9	8	8	3	7	7	-	52.0	65.0	B
Dr. Sanyam Bahga	Architecture & Planning	10	7	6	10	6	7.83	-	-	46.8	58.5	C+
Dr. Suneeta Kumari	Chemical Engineering	10	2	-	4	7	5.33	-	-	28.3	35.4	D

*M. Pandit*  
16/7/2021  
Dr. Manjaree Pandit  
Dean Academics

*P. Jayaswal*  
16/7/2021  
Dr. Prateesh Jayaswal  
IQAC Coordinator

*A. Chauhan*  
16-7-2021  
Mr. Atul Chauhan  
Assistant Registrar



**FEEDBACK RECEIVED FROM PARTICIPANTS**  
**(FIP-I) July 2021**

Madhav Institute of Technology and Science, Gwalior						
(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)						
Faculty Induction Programme 9th & 10th July 2021						
Saturday, 10 July 2021, 5:23 PM						
Submitted answers: 23						
Questions: 10						
Label	Question	Responses				Total Feedback
		Excellent	Very good	Good	Average	
	The initiative taken to conduct an FIP was thoughtful	17	6	0	0	4.74
	The FIP conduction was useful to you	15	7	1	0	4.61
	The duration of sessions/event was sufficient	5	13	5	0	4.00
	Session on NAAC was informative and useful	14	7	2	0	4.52
	Session on NIRF was motivating and interesting	9	10	3	1	4.17
	Session on Flexible Curriculum was useful	16	6	0	1	4.61
	Session on OBE will help me in orienting my teaching towards OBE	2	8	8	5	3.30
	Session on IQAC was motivating and informative	12	8	2	1	4.35
	The session on MOODLE will help me in making better use of this tool for teaching-learning-evaluation	17	4	2	0	4.65
<b>Any suggestions for future such events</b>						
More beneficial if planned ASAP. Though this time it is delayed due to pandemic.						
The program should be at least one week.						
Hands on training required more						
please include a physical tour of campus facilities like Central library, etc						
Everything is fine at Institute Part. But in order to achieve the quality we all have to move together then only the things will change otherwise, it will become little tough.						
I like this FDP program						
Thanks for conduct this induction programme we get lot of valuable knowledge this is very useful...						
Grateful to the management for conducting the FIP. Learnt a lot about various rules, regulations, guidelines and procedures to be followed during teaching learning and other institutional activities.						






# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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## COMPUTATION OF EVENT FEEDBACK INDEX (FIP-I) July 2021

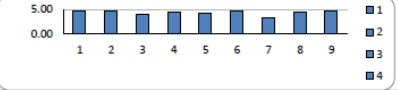


**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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Internal Quality Assurance Cell, Madhav Institute of Technology & Science, Gwalior

Faculty Name	Registered	Response	FFI
Faculty Induction Programme	23	23	4.33

Thursday, 30 September 2021, 4:06 PM  
Submitted answers: 23



Label	Question	Excellent	Very good	Good	Average	Below average	QV	Comment
1	The initiative taken to conduct an FIP was thoughtful	17	6	0	0	0	4.74	Appreciation
2	The FIP conduction was useful to you	15	7	1	0	0	4.61	Appreciation
3	The duration of sessions/event was sufficient	5	13	5	0	0	4.00	Concern
4	Session on NAAC was informative and useful	14	7	2	0	0	4.52	Satisfactory
5	Session on NIRF was motivating and interesting	9	10	3	1	0	4.17	Satisfactory
6	Session on Flexible Curriculum was useful	16	6	0	1	0	4.61	Appreciation
7	Session on OBE will help me in orienting my teaching towards OBE	2	8	8	5	0	3.30	Concern
8	Session on IQAC was motivating and informative	12	8	2	1	0	4.35	Satisfactory
9	The session on MOODLE will help me in making better use of this tool for teaching-learning	17	4	2	0	0	4.65	Appreciation
							<b>4.33</b>	

Thanks for conduct this induction programme we get lot of valuable knowledge this is very useful...  
More beneficial if planned ASAP. Though this time it is delayed due to pandemic.  
Grateful to the management for conducting the FIP. Learnt a lot about various rules, regulations, guidelines and procedures to be followed during teaching learning and other institutional activities.


Faculty Name & Signature
HOD
DIRECTOR

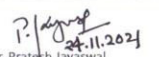
## GRADE SHEET WITH WEIGHTAGE FOR ATTENDANCE, QUIZZES AND ASSIGNMENT (FIP-II) November 2021


**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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Faculty Induction Programme Conducted by IQAC 11 & 12 Nov 2021

Faculty Name	Department	Attendance (FIP)-11 & 12 Nov 2021	Quiz Session 2	Quiz-Quality Assurance & Administrative Processes	QUIZ: Flexible Curriculum Implemented in Institution	Quiz on IMS	Quiz on Examination System	Quiz on SWAYAM/NPTEL	Moodle quiz	Course total out of 80	Course total (Real) out of 100	Grading
Dr. Ashish Agrawal	Mechanical Engineering	10.00	7.00	9.00	8.46	8.00	9.00	10.00	9.00	70.46	88.1	A
Dr. Atul Kumar Ray	Mathematics and Computing	10.00	8.00	9.00	9.23	8.00	10.00	6.00	10.00	70.23	87.8	A
Dr. Dhananjay Bisen	Internet of Things (IoT) (Offered by Information Technology Department)	10.00	7.00	8.00	9.23	8.00	10.00	8.67	9.00	69.90	87.4	A
Dr. Minakshi	Mathematics and Computing	10.00	7.00	10.00	10.00	6.00	10.00	8.67	8.00	69.67	87.1	A
Dr. Vikram Rajpoot	Information Technology	10.00	7.00	5.00	9.23	8.00	10.00	10.00	10.00	69.23	86.5	A
Dr. Divya Chaturvedi	Mathematics and Computing	10.00	8.00	10.00	10.00	6.00	10.00	4.67	10.00	68.67	85.8	A
Mr. Vivek Sharma		10.00	8.00	9.00	10.00	6.00	10.00	7.33	8.00	68.33	85.4	A
Dr. Ankit Tiwari	Electrical Engineering	10.00	8.00	10.00	10.00	6.00	8.00	8.00	8.00	68.00	85.0	A
Dr. Kalka Dubey	Computer Science & Engineering	10.00	7.00	10.00	9.23	6.00	9.00	6.67	9.00	66.90	83.6	A
Dr. Yogeshwar Singh Dadwhal	Information Technology	10.00	8.00	9.00	7.69	6.00	10.00	7.33	8.00	66.02	82.5	A
Dr. Abhishek Dixit	Computer Science and Engineering & IT	10.00	7.00	9.00	10.00	8.00	8.00	8.67	9.00	69.67	87.1	A
Dr. Ranjeet Kumar Singh	Computer Science & Engineering	10.00	6.00	9.00	10.00	6.00	9.00	8.00	6.00	64.00	80.0	A
Dr. Varun Sharma	Electronics Engineering	10.00	7.00	7.00	8.46	6.00	9.00	7.33	8.00	62.79	78.5	B+
Dr. Tej Singh	Information Technology (Artificial Intelligence and Robotics)	10.00	8.00	8.00	8.46	6.00	8.00	7.33	7.00	62.79	78.5	B+
Dr. Sushmita Chaudhari	Electronics Engineering	10.00	6.00	7.00	7.69	6.00	9.00	8.00	9.00	62.69	78.4	B+
Dr. Pawan Dubey	Information Technology (Artificial Intelligence and Robotics)	10.00	7.00	7.00	8.46	6.00	8.00	10.00	6.00	62.46	78.1	B+
Dr. Shubhi Kansal	Electronics Engineering	10.00	6.00	8.00	8.46	6.00	9.00	5.33	7.00	59.79	74.7	B+

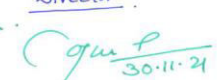
  
 Dr. Manjaree Pandit  
Dean Academics

  
 Dr. Prateesh Jayswal  
IQAC Coordinator

  
 Prof. Prabhakar Sharma  
I/c, Central Computer Center

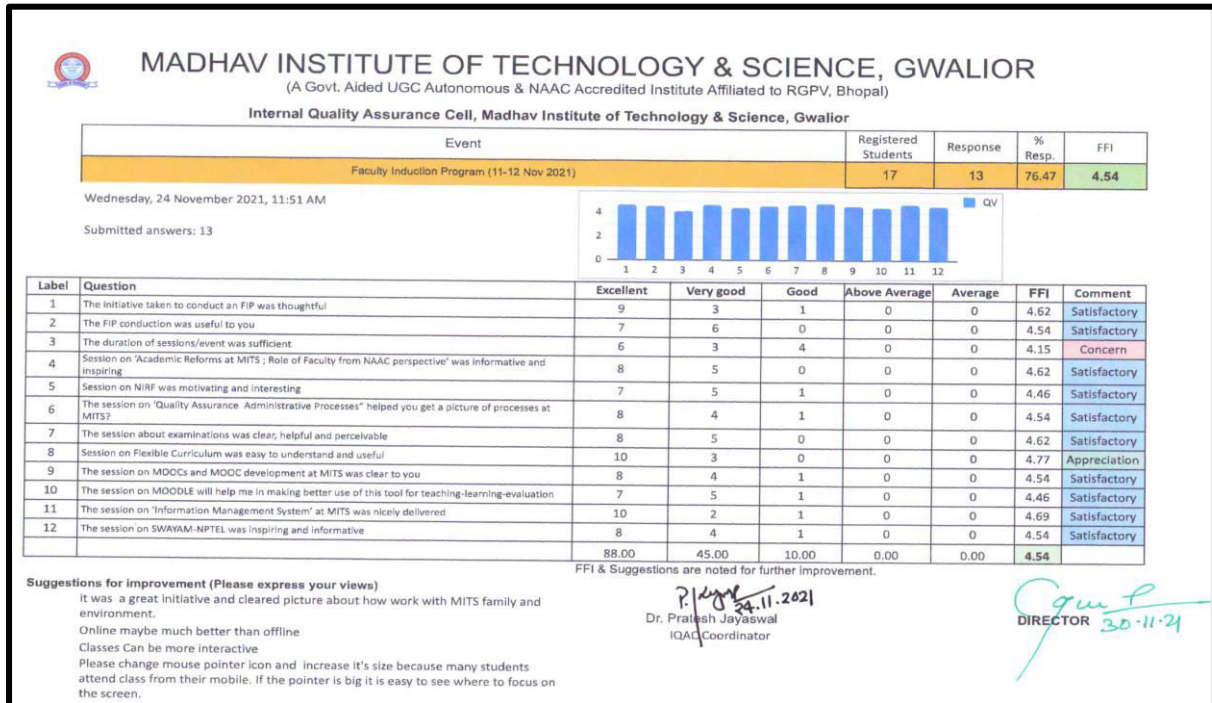
  
 Mr. Atul Chauhan  
Programmer

Submitted for n.a and information.  
Director.

Secy.   
30.11.21



## COMPUTATION OF EVENT FEEDBACK INDEX (FIP-II) November 2021



- As per feedback of FIP participants, **Shri Prashant Mehta, IAS, Member, BOG** and Director of the Institute have suggested to increase the duration of Faculty Induction Programme.

*The full report is enclosed as Annexure-II*

### **Item. 4: To review the Academic Audit conducted by External Experts during 10-11, December, 2021**

- The Dean Academics of the Institute has appraised the house about Academic Audit conducted by External Experts during 10-11, December, 2021. Following is the brief report of Academic Audit:
- The institute follows the practice of conducting Academic Audit twice in an Academic Year, once by Internal Audit Team and one by the external experts.
  - The first Academic Audit of the previous year was conducted on **22<sup>nd</sup> & 29<sup>th</sup> February 2020** was reviewed in the IQAC meeting on 3<sup>rd</sup> March 2020 vide Item No 11.
  - Looking at the Covid-19 scenario, the parameters were reduced from 50 to 40 in the second Academic Audit conducted during **27<sup>th</sup> August to 3<sup>rd</sup> September 2020**. The report was reviewed in the IQAC meeting on 11<sup>th</sup> December 2020 vide Item No 3.
  - Due to the NBA peer team visit in from 19<sup>th</sup> to 21<sup>st</sup> February 2021, the Academic Audit had to be postponed.



- After that there was disruption on account of the severe second COVID wave due to the deadly delta variant. Though the institute worked hard to maintain all teaching learning activity, up to mark, the external academic audit could not be conducted till December 2021.
- The external experts (i) **Dr. N.C. Shivprakash, Former Professor, IISc, Bangalore** and (ii) **Dr.Indrajit Bhattacharya, Director, National Accreditation Board for Engineering & Training, a body under the Quality Council of India (QCI), Ministry of Commerce & Industry.**
- The Academic Audit Format was once again revised to include the new initiatives taken during the last one year.
- The number of parameters was now reduced to 20 as most other initiatives were already well established and internalized. There was also new mechanism 'Administrative Efficiency Index' to monitor the different practices and their timely completion, other than regular meetings and presentations.

## Results of Academic Audit

(10<sup>th</sup> & 11<sup>th</sup> December 2021)

### Engineering & Allied Departments

Review Period: (July 2020 - December 2020, January 2021- June 2021 & July 2021 – November 2021)

S. No.	Name of the Department	CIVIL	MECH /AUTO	ELECT	ELEX / ET	CSE	IT	CHEM	MAC	ARCH	HU	APPL SCI	MG MT
<b>Points Obtained</b>		78	79	83	80	78	78	66	42	76	38	56	53
<b>Aggregate Points</b>		100	100	100	100	100	100	100	60	100	55	80	70
<b>Percentage</b>		78.0	79.0	83.0	80.0	78.0	78.0	66.0	70.0	76.0	69.0	70.0	75.7
<b>Rank (Overall)</b>		IV	III	I	II	IV	IV	IX	VII	V	VIII	VII	VI

## Results of Previous Academic Audit

(27<sup>th</sup> August to 3<sup>rd</sup> September 2020)

### Engineering & Allied Departments

Criterion	CE	ME	AU	EE	EX	ET	CSE	IT	CHEM	APP. SCI	HU	ARCH
Criterion I: Availability of Records & Data Management	19	21	24	26	16	14	31	30	24	17	10	16
<b>Rank</b>	VI	V	IV	III	VIII	IX	I	II	IV	VII	X	VIII



<b>(Criterion - I)</b>												
Criterion II: Teaching Learning Practices	23	21	23	33	21	20	26	30	21	17	9	18
<b>Rank (Criterion- II)</b>	IV	V	IV	I	V	VI	III	II	V	IX	VIII	VII
Criterion III: Quality Improvement Initiatives	38	47	52	59	41	51	60	70	40	28	25	32
<b>Rank (Criterion - III)</b>	IX	VI	IV	III	VII	V	II	I	VIII	XI	XII	X
<b>Total Points Obtained</b>	80	89	99	118	78	85	117	130	85	62	44	66
Aggregate Points	195	195	190	195	195	190	195	195	190	185	175	195
<b>Department</b>	CE	ME	AU	EE	EX	ET	CSE	IT	CHEM	APP SC	HU	ARCH
<b>Percentage(Present)</b>	41	46	52	61	40	45	60	67	45	34	25	34
<b>Rank (Overall)</b>	VII	V	IV	II	VIII	VI	III	I	VI	X	XI	IX
<b>Percentage(Previous)</b>	62	76	58	68	62	54	69	75	56	64	55	61
<b>Rank (Overall)</b>	VI	I	IX	IV	VII	XII	III	II	X	V	XI	VIII

- During the Academic Audit a few very good suggestions ‘for improvement of practices in general and further enhancement of quality’, were given by the esteemed external experts.
- These were noted and are compiled by the Dean Student Welfare (enclosed in Annexure).

➤ The **Director of the Institute** has informed the house that a separate meeting will be convened to discuss and take action on those suggestions.

*The full report enclosed as Annexure-III*

#### **Item. 5: To report the status report of UG/PG admissions 2021-2022**

- The house reviewed the following status of admissions in various UG & PG courses of Institute:

**UG admissions:=** 1160 (including TFW) + 106 (EWS) + 26 (B. Arch.) = **1292** (Total Seats=1314 (including TFW) + 126 (EWS) + 40 (B. Arch.) = **1480**)

**PG admissions:** 69 (MCA) + 45 (MBA) + 42 (M. Tech/MUP) = **156** (Total seats: 300)

**LT (B.Tech.):** 65/108.

- House was in opinion that there is a need to study/review the decreasing interest of students for admissions in PG programs at Institute level through a suitable committee and to take corrective measures if required to increase the admissions in PG courses. The courses where the interest is poor courses may be restructured/ renamed as per AICTE norms. The emerging area subjects may be inducted in all the undergraduate courses to



increase the employability. The relevant subjects of pharmaceutical engineering may be included in Chemical Engineering course as per market trend.

**ADMISSIONS: AN OVERVIEW**

S.No.	Intake	Branch	Total
1	120	Civil Engineering	125
2	120	Mechanical Engineering	92
3	120	Electrical Engineering	134
4	120	Electronics Engineering	138
5	120	Computer Science & Engineering	137
6	60	Information Technology	68
7	60	Chemical Engineering	19
8	60	Automobile Engineering	18
9	60	Electronics & Telecommunication Engineering	68
10	60	Internet of Things (EEIOT)	63
11	60	Internet of Things (IT-IOT)	69
12	60	Mathematics and Computing (MAC)	68
13	60	Artificial Intelligence and Robotics (IT-AIAR)	69
14	60	Artificial Intelligence (AI) and Data Science (AI-AIDS)	66
15	60	Artificial Intelligence and Machine Learning (AIML)	66
16	60	Computer Science and Design (CSD)	66
17	40	Architecture	26
18	6	LT Artificial Intelligence and Robotics (IT-AIAR)	6
19	6	LT Automobile Engineering	1
20	6	LT Chemical Engineering	2
21	12	LT Civil Engineering	12
22	12	LT Computer Science & Engineering	12
23	12	LT Electrical Engineering	7
24	6	LT Internet of Things (EEIOT)	2
25	12	LT Electronics Engineering	2
26	6	LT Electronics & Telecommunication Engineering	3
27	6	LT Information Technology	6
28	6	LT Internet of Things (ITIOT)	6
29	6	LT Mathematics and Computing (MAC)	-
30	12	LT Mechanical Engineering	6



31	25	M.E. Construction Technology & Management	15
32	18	M. Tech. Environment Engineering	4
33	18	M. Tech. Computer Science & Engineering	4
34	18	M. Tech. Information Technology	-
35	25	M.E. Industrial Systems& Drives	1
36	25	M.E. Communication Control & Networking	-
37	18	M. Tech. Production Engineering	6
38	18	M.Tech. Product Design	-
39	18	Masters in Urban Management	12
40	60	Master in Computer Application	69
41	60	Master in Business Administration (MBA)	45
<b>Total New Admissions</b>			<b>1513</b>

*The department/course wise full report enclosed as Annexure-IV*

#### **Item. 6: Monitoring student learning through weekly quiz and assignments**

- The Dean Academics of the Institute has presented the report on Monitoring system for student learning through weekly quiz and assignments:
  - In the ‘any time anywhere’ learning format being followed during the virtual teaching-learning environment due to COVID protocols, student attendance in the live online interactive classes is generally not a good indicator of their learning behaviour.
  - Therefore, the ‘Digital T-L-E Action Plan’ of the institute (in place since January 15<sup>th</sup> 2020) provides for ‘assessment of learning through weekly quiz and assignment’.
  - The same has also been used to identify the ‘slow’, ‘medium’ and ‘fast’ learners for the last 3 semesters.
  - The report on conduction of quiz/assignment and the percentage of students who appear for these routine continuous assessment measures is enclosed herewith.

### **CONDUCTION OF QUIZZES/ASSIGNMENTS FOR CONTINUOUS ASSESSMENT**

S. No	Name of Department	Total No. of Quizzes			Total No. of Assignments		
		III Semester	V Sem	VII Sem	III Sem	V Sem	VII Sem
1	Civil Engineering	10	14	10	8	8	8
2	Mechanical Engineering	4	8	8	4	5	5
3	Automobile Engineering	4	16	-	4	7	-

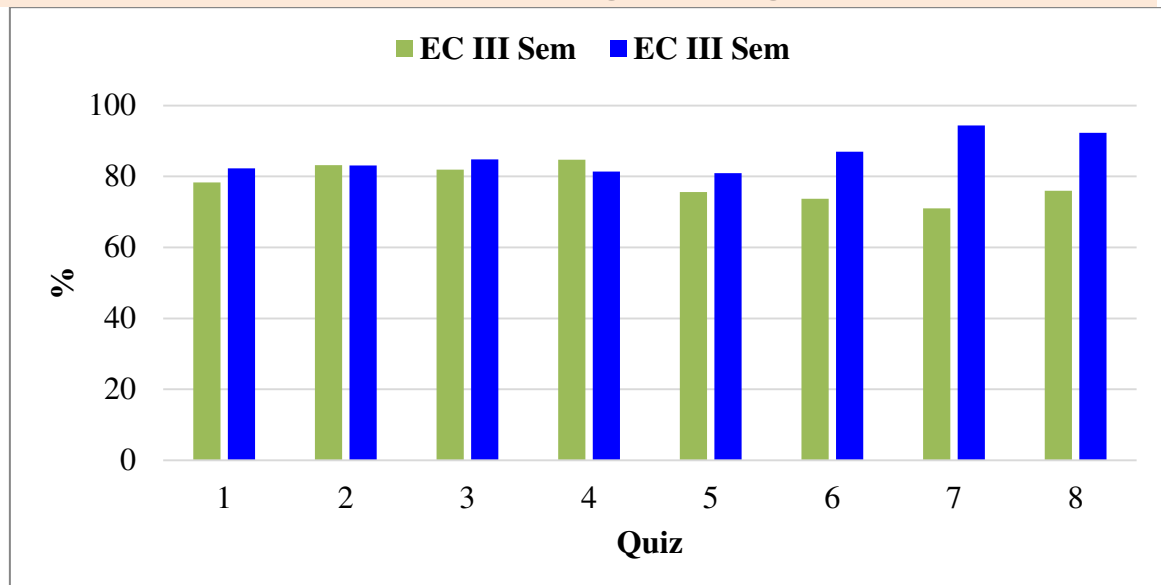


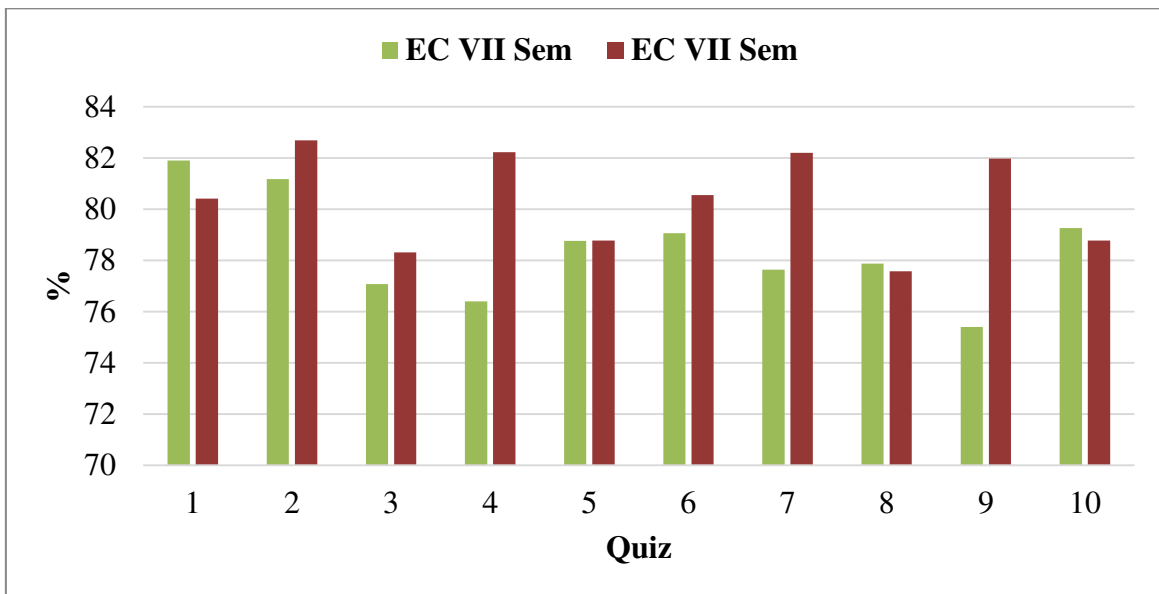
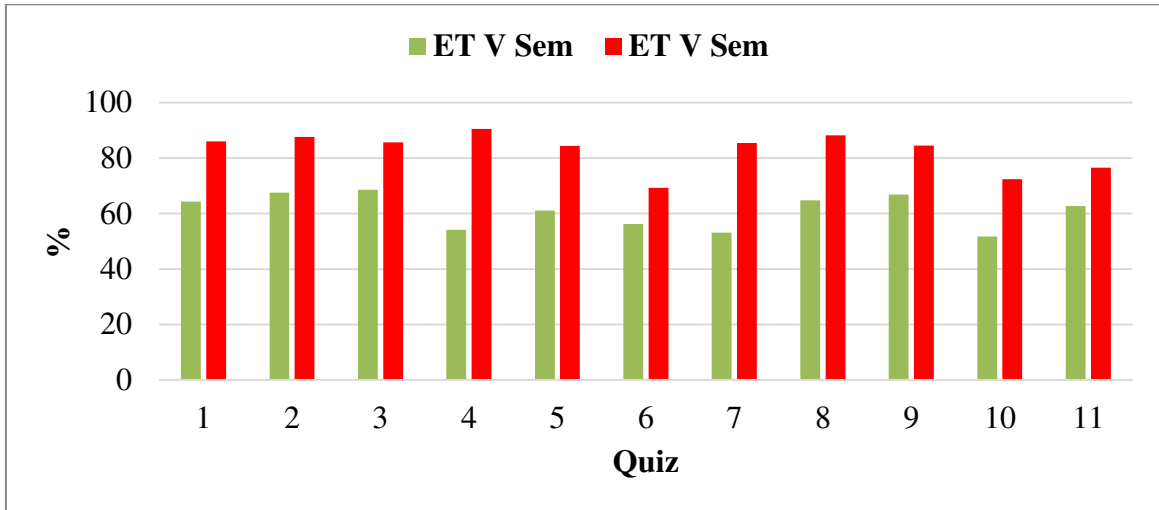
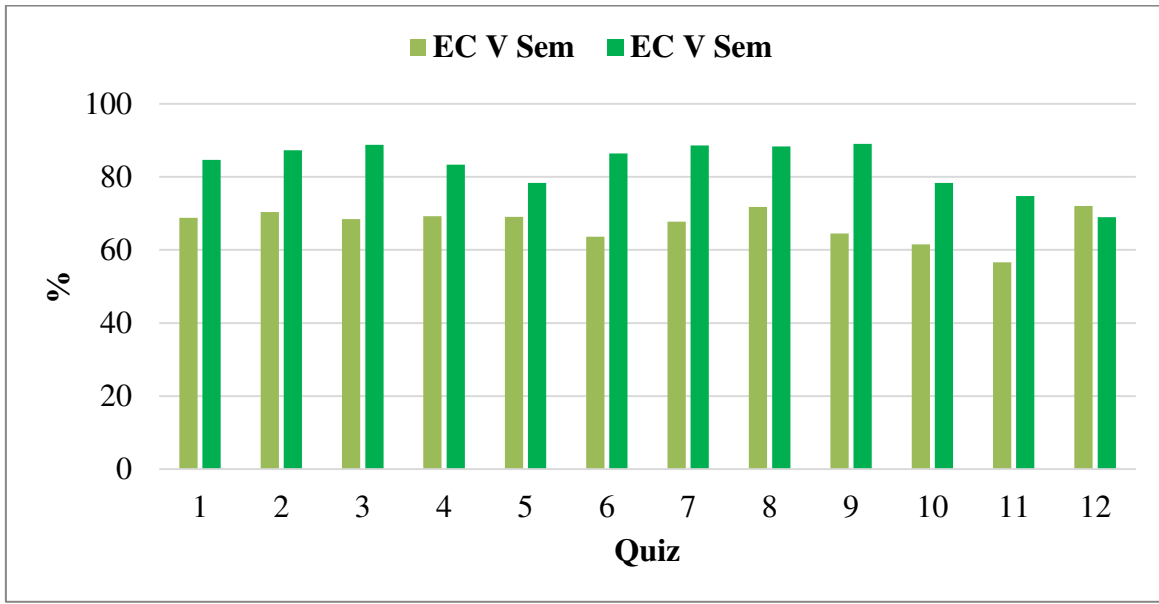
4	Electrical Engineering	10	12	10	3	8	6
5	Electronics Engineering	8	12	10	7	8	5
6	Electronics & Telecomm. Engineering	8	11	8	8	6	4
7	Computer Science Engineering	4	12	11	4	12	10
8	Information Technology	6	8	9	4	5	4
9	Chemical Engineering	6	13	11	4	6	8
10	Engineering Mathematics & Computing	7	NA	NA	5	NA	NA
11	Management Department	5	NA	NA	4	NA	NA
12	MCA	7	12	NA	4	6	NA

— The conduction of weekly quizzes and percentage of students appearing in them is plotted for all departments.

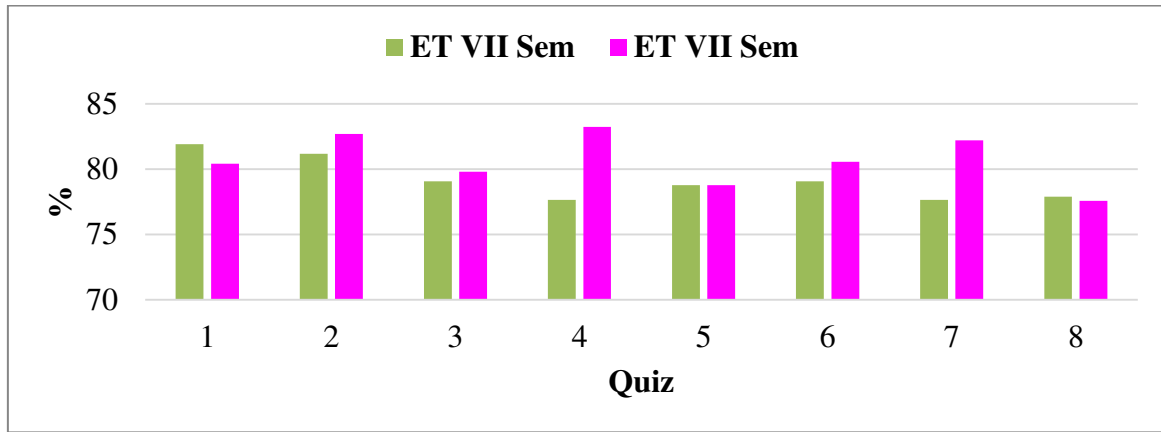
— A sample for Electronics Department is plotted here. For other departments it is in Annexure.

### Electronics Engineering









*The full report is enclosed as Annexure-V*

**Item. 7: Analysis of full VIII Semester Internship/Project data: Analysis vis-a-vis numbers and CGPA**

- The Dean Academics of the Institute has presented the following report on Analysis of full VIII Semester Internship/Project data (Analysis vis-a-vis numbers and CGPA):
  - The provision of full semester internship was offered for the first time to the 2021 graduating batch.
  - An analysis is performed to find a link between the performance of students and their selection of the internship or project option.
  - The analysis was performed for all the departments and no link was found between ‘performance/CGPA’ and ‘selection of internship or project option’.
  - It was found that that the bright and the weak, both kinds of students are opting for internship as well as project.

<b>SUMMARY</b>								
<b>Internship/Project Final Year VIII Semester data along with CGPA</b>								
Department	Internship				Project			
	Number of Students opted for internship	Minimum Overall CGPA	Average Overall CGPA	Maximum Overall CGPA	Number of Students opted for Project	Minimum Overall CGPA	Average Overall CGPA	Maximum Overall CGPA
Civil Engineering	92	5.40	6.934	8.79	35	5.61	7.07	8.69
Mechanical Engineering	74	5.76	6.907	8.12	52	5.45	6.979	8.70
Electrical Engineering	32	5.87	7.276	8.51	87	5.50	7.064	8.86
Electronics Engineering	32	5.95	7.097	8.35	79	5.79	7.167	8.84
Computer Science Engineering	61	5.56	7.165	9.03	79	5.67	7.169	8.96
Information Technology	14	6.13	7.042	8.28	52	5.79	7.316	8.52
Chemical Engineering	20	5.85	6.034	7.92	30	5.52	6.865	8.73
Automobile Engineering	40	5.62	6.615	8.11	8	5.63	6.346	7.36
Electronics & Telecommunication Engineering	11	6.06	6.774	7.71	43	5.98	7.071	8.39
<b>Total/Institute Average</b>	<b>356</b>	-	<b>6.98</b>	-	<b>430</b>	-	<b>7.00</b>	-

*The full report is enclosed as Annexure-VI*



### **Item. 8: Report on Enrolment in OCs: A Branch Wise Analysis**

- The house reviewed the following report on Enrolment in OCs: A Branch Wise Analysis:
  - The provision of offering ‘Open Courses’ was started since January-June 2020, so this time it was the FOURTH semester in which the OCs were offered.
  - Analysis of enrolments in OC-1 in January-June 2021 revealed that:
    - Courses of CSE are most popular with Mechanical, EE and, Elex students.
    - Courses of Civil Engineering are most popular with IT, chemical & Automobile students.
    - Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
    - Courses of Electrical Engineering are most popular with students of CSE & IT.
    - Courses of IT are most popular with students of Elex, ET and Automobile Engineering
    - Courses of Chemical Engineering are most popular with students of CSE, Civil, Mechanical and Electrical Engineering.

One sample of enrolments in OC-2 with analysis for July-December 2021 is enclosed below as a sample. Rest of the analysis for the previous two semesters is enclosed as Annexure.



**Course-wise % of enrolled students for the OC-2 indicating branch-wise choice in opting open courses**

{ 7<sup>th</sup> Semester: July-Dec 2021 }

Courses Offered by Departments									
Course offered by →	Computer Science and Engineering	Civil Engineering	Mechanical Engineering	Electrical Engineering	Electronics Engineering	Information Technology	Chemical Engineering	Applied Science	Total Students
Computer Science and Engineering students	0.00 <sup>#</sup>	52.59 <sup>§</sup>	9.63	5.19	26.67 <sup>&amp;</sup>	0.00	5.93	0.00	135
Civil Engineering students	17.16	0.00 <sup>#</sup>	40.30	4.48	16.42	9.70	11.94	0.00	134
Mechanical Engineering students	13.48	28.37	0.00 <sup>#</sup>	13.48	7.09	16.31	20.57	0.00	140
Electrical Engineering students	16.78	2.80	18.18	0.00 <sup>#</sup>	36.36	21.68	4.20	0.00	143
Electronics Engineering students	39.69	15.27	12.21	3.82	0.00 <sup>#</sup>	26.72	2.29	0.00	131
Electronics & Telecomm. Engineering students	45.45	10.61	3.03	4.55	0.00 <sup>#</sup>	27.27	9.09	0.00	66
Automobile Engineering students	10.67	18.67	0.00	36.00	9.33	14.67	10.67	0.00	75
Information Technology students	0.00	25.00	25.00	9.38	35.94	0.00 <sup>#</sup>	4.69	0.00	64
Chemical Engineering students	6.90	17.24	36.21	10.34	24.14	5.17	0.00 <sup>#</sup>	0.00	58

<sup>#</sup> Same discipline courses not permitted, hence registrations are shown as zero

Chart Area

Each Row shows the % of students of a certain discipline enrolled in the OCs offered by allied disciplines

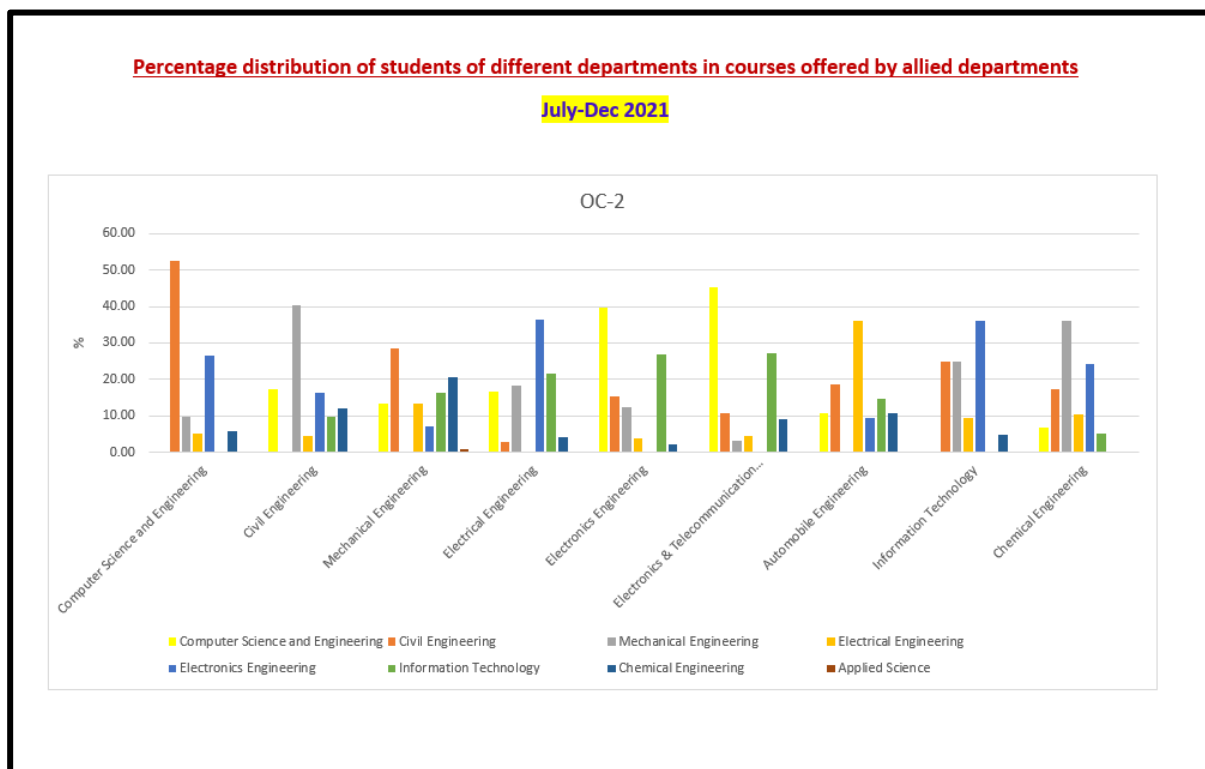
<sup>§</sup> {Example: The highest 52.59% of CSE students have opted electives offered by the department of Civil Engineering}

<sup>&</sup> {Example: The second highest 26.67% of CSE students have opted electives offered by the Electronics Engineering Department}

Blue color in each row indicates the highest enrollment and green color shows the second highest enrollment of students

Analysis of columns shows that

- Courses of CSE are most popular with ET, Elex and Civil students.
- Courses of Civil Engineering are most popular with CSE, Mech, chemical & Automobile students.
- Courses of Mechanical Engineering are most popular with Civil, IT and chemical students.
- Courses of Electrical Engineering are most popular with students of Automobile and Mechanical.
- Courses of Electronics Engineering are most popular with students of CSE, Civil, Electrical and IT.
- Courses of IT are most popular with students of EE, Elex and ET.
- Courses of Chemical Engineering are popular with Mechanical students.



*The full report is enclosed as Annexure-VII*

**Item. 9: Credits transferred to the transcripts through MOOCs**

➤ The Dean Academics of the Institute has presented following brief report regarding Credits transferred to the transcripts through MOOCs:

—The provision of ‘Credit transfer from MOOCs was implemented w.e.f. 2017-18 admitted batch, from V semester for minors/honours cases, i.e. since July-December 2019.

—Since then, two batches 2017-18 admitted and 2018-19 admitted have been benefitted by this. The total credits transferred is shown below in the table.

**Summary of No. of Credits Earned through MOOCs**

BRANCH	2017 ADMITTED STUDENTS			2018 ADMITTED STUDENTS			TOTAL
	J.20	D.20	J.21	J.20	D.20	J.21	
Automobile Engineering	100	70	174	4	-	250	<b>598</b>
Biotechnology	34	28	48	-	-	36	<b>146</b>
Civil Engineering	196	136	370	50	10	160	<b>922</b>
Chemical Engineering	94	92	188	6	6	20	<b>406</b>
Computer Science & Engineering	214	178	416	46	26	82	<b>962</b>
Electronics Engineering	218	180	364	18	6	484	<b>1270</b>
Electrical Engineering	200	186	398	40	30	608	<b>1462</b>
Electronics & Telecommunication	108	88	154	-	-	232	<b>582</b>
Information Technology	110	90	188	16	16	24	<b>444</b>
Mechanical Engineering	196	180	364	42	38	486	<b>1306</b>
<b>TOTAL</b>	<b>1470</b>	<b>1228</b>	<b>2664</b>	<b>222</b>	<b>132</b>	<b>2382</b>	<b>8098</b>



**Item. 10: Conduction of Workshop on "Market Driven Analysis for Dynamic Curriculum Development and Pedagogical Practices" {Ref. No. 1921 Date:27/10/2021 }**

- The Director of the Institute, has appraised the house about conduction of Workshop on "Market Driven Analysis for Dynamic Curriculum Development and Pedagogical Practices. Following are the details:
- The Chairman, BoG, Shri Jyotirditya Scindia ji, addressed the Professors on **14<sup>th</sup> October 2021** and asked them to brainstorm and prepare a 'futuristic roadmap' for the institute to find the best strategy to handle the challenges that are coming due to changes like COVID and NEP-2020.
  - The vision of the Hon'ble Chairman was clear; **"MITS should lead the change, be a thought leader and not a thought follower"**
  - He directed that the Professors will be presenting their ideas to the BoG members, in the next meeting of the BoG; **one group** will work under **Professor K.K. Aggarwal, Hon'ble member of the Board and Chairman, National Board of accreditation** to look into the pedagogy side and the **other group** will work under **Er. Lokesh Saxena, Managing Director DISA India Limited**, to look into the market perspective.
  - In this connection, notices were issued seeking ideas from faculty {Ref: 1986 dated 8<sup>th</sup> November 2021 }
  - Presentation by all Professors on **12<sup>th</sup> November 2021**. On the basis of the presentation, two groups were formed vide order no 352 dated 13<sup>th</sup> November 2021 to take up (i) 'Curriculum Development and Pedagogical Practices Committee' to propose changes in curriculum and Pedagogy (ii) 'Market Driven Analysis for Dynamic Curriculum Committee' for suggesting the market approach
  - The outcomes were compiled and presented in the meeting of the HR Committee of the Board of Governors on **15<sup>th</sup> December 2021**.
  - Before this, on 14<sup>th</sup> December there were discussions among the committee members under the guidance of the respective BoG members.
  - The final presentation, after incorporating the suggestions of the Hon'ble members of the HR Committee will be presented in the next BoG meeting, as directed by the Hon'able Chairman Shri Jyotirditya Scindia ji.



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

No. 362

Date: 30.11.2021

**ORDER**

As per the decision of BoG and further discussions, presentation by Professors before the H'ble members of the Board is scheduled to be held on **15<sup>th</sup> December, 2021 at 10:00 A.M.** in the **Faculty Resources Centre (FRC)** of the Institute. Group heads are requested to make the presentation in consultation with the Chairman of respective groups.

**Group-1:** Curriculum Development and Pedagogical Practices.

**Group-2:** Market Driven Analysis for Dynamic Curriculum.

All the Professor are expected to be present and participate during the discussions. Dr. Pratesh Jayaswal, Registrar along with Prof. Prabhakar Sharma, Dy. Registrar will record the proceedings/deliberations for final conclusion.

  
(Dr. R.K. Pandit)

Director

Copy to:-

1. All concerning Professors
2. Dean (Academics)
3. Registrar
4. HR Section
5. Director office



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**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR**

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

Ref. No.: 352.....

Date: 13.11.2021

**ORDER**

In view of presentation delivered by all the Professors during workshop held on 12<sup>th</sup> November 2021, on "Market Driven Analysis for Dynamic Curriculum Development and Pedagogical Practices", following two groups/committees of Professors are formed to prepare the final presentation under the guidance of concerned Chairman of the committee to be presented before the BoG of the Institute:

**Curriculum Development and Pedagogical Practices Committee:**

S.No.	Name	Department	Contact No.	Email ID
1.	Dr. Manjaree Pandit	Electrical Engg.	9826954902	manjaree_p@mitsgwalior.in
2.	Dr. Laxmi Srivastav	Electrical Engg.	9425773722	srivastavl@mitsgwalior.in
3.	Dr. P. K. Singhal	Electronics Engg.	9425341555	pks_65@mitsgwalior.in
4.	Dr. M K Trivedi	Civil Engg.	9893009680	manotrivedi@mitsgwalior.in
5.	Dr. S. S. Jadon	Architecture & Planning	9425360411	jadon100@mitsgwalior.in
6.	Dr. Sanjay Tiwari	Civil Engg.	9406587811	stiwari.fce@mitsgwalior.in
7.	Dr. Sulochna Wadhvani	Electrical Engg.	9425112199	sulochna_wadhvani@mitsgwalior.in
8.	Dr. Akhilesh Tiwari	Information Technology	9407204907	atiwari@mitsgwalior.in
9.	Dr. C S Malvi	Mechanical Engg.	9993207600	csmalvi@mitsgwalior.in
10.	Dr. M K Gaur	Mechanical Engg.	9425020318	mkgaur@mitsgwalior.in
11.	Dr. V. P. Shinde	Engg. Mathematics & Computing	9425773073	vpsinde@mitsgwalior.in

Dr. Akhilesh Tiwari, Professor, Information Technology will act as Convener in Curriculum Development and Pedagogical Practices Committee.

**Market Driven Analysis for Dynamic Curriculum Committee:**

S.No.	Name	Department	Contact No.	Email ID
1.	Dr. R. S. Jadon	MCA	9425122675	rsjadon@mitsgwalior.in
2.	Dr. R. K. Gupta	Computer Science & Engg.	9406503201	rkgs@mitsgwalior.in
3.	Dr. S. K. Jain	Civil Engg.	9893367731	dr.skjain@mitsgwalior.in
4.	Dr. R. Kansal	Civil Engg.	9165028102	rkansal19@mitsgwalior.in
5.	Prof. Archana Tiwari	Civil Engg.	7748884150	archanatiwari@mitsgwalior.in
6.	Dr. A. K. Wadhvani	Electrical Engg.	9425308846	akwadhvani@mitsgwalior.in
7.	Dr. Abhay Mishra	Applied Science	9425338149	drabhaym63@mitsgwalior.in
8.	Dr. M. K. Sagar	Mechanical Engg.	9425338833	mksagar@mitsgwalior.in
9.	Dr. Manish Dixit	Computer Science & Engg.	9425117866	dixitmits@mitsgwalior.in
10.	Dr. Anshu Chaturvedi	MCA	9425337699	anshu_chaturvedi@mitsgwalior.in
11.	Dr. D. K. Jain	Engg. Mathematics & Computing	9826086788	am_dkj@mitsgwalior.in

Dr. R. S. Jadon, Professor, MCA will act as Convener Market Driven Analysis for Dynamic Curriculum Committee.

Dr. Pratesh Jayaswal, Professor, Mechanical Engineering & Registrar (pratesh\_jayaswal@mitsgwalior.in, 9826561725) will coordinate on behalf of undersigned.

(Dr. R. K. Pandit) 13.11.21  
Director

**Copy to:**

1. Prof. K K Aggarwal, Member BoG & Chairman, Curriculum Development and Pedagogical Practices Committee
2. Shri. Lokesh Saxena, Member BoG & Chairman, Market Driven Analysis for Dynamic Curriculum Committee
3. All above Professors
4. Dr. Manjaree Pandit, Dean (Academics)
5. Dr. Pratesh Jayaswal, Professor & Registrar
6. HR Section
7. Director Office



### **Item. 11: Conduction of on-line induction programme for First Year students**

- The House reviewed the following report of on-line induction programme conducted for the First Year students:

Date of Induction Programme	Total No. of student registered	Total No. of Student Participated
<b>26.10.2021 to 31.10.2021</b>	<b>1480</b>	<b>1400</b>

“Utthan 2021”: The Induction Program at Madhav Institute of Technology & Science, Gwalior for 2021- 22 new batch (64<sup>th</sup> Batch) commenced with full zeal and gaiety on 26th Oct, 2021. Due to COVID-19 scenario this time Induction Program was conducted Virtually and named as “Utthan 2021” in which 1400+ students registered and participated out of the current total Intake of 1480.

The objective of **one-week Induction Program** was to help young fresh minds adjust to the new era of higher education. The program is aimed to provide smooth passage from school life to college life.

*This year, MITS has again become larger and better than previous years by **adding 'Three' new and advanced UG courses under the umbrella. B.Tech intake has reached up to a level of 1260 and including B.Arch & PG courses reached to a year Intake of 1585. This year onward, MITS has started a B.Tech Degree in, Artificial Intelligence (AI) and Data Science, Artificial Intelligence and Machine Learning and Computer Science and Design.***

The **first day** began with Inaugural function in which an Introductory Video of MITS & its virtual tour of campus was played and Initial Speech was started with Prof. Manish Dixit who has given a brief introduction of Induction program and invited all the dignitaries, Board Members and Director of Institute on the Online Platform which was our Institute Moodle itself.

Our all the Board Members, Director and Senior Alumni actively participated and Motivated new entrants through an online mode starts from:

1. Er. Ramesh Agrawal, Secretary, Scindia Engineering College Society and Former M.L.A., MITS Alumnus
2. Shri Prashant Mehta, Member BOG, Former Director General, Academy of Administration, Bhopal
3. Prof. K.K. Aggarwal, Member BOG, Former Vice Chancellor – Guru Govind Singh Indraprastha University
4. Prof. D.P. Agrawal, Member BOG, Former Chairman UPSC India
5. Er. Lokesh Saxena, Member BOG, Managing Director, DISA India Limited
6. Mr. Vijay Kalra, Head - Mahindra Institute of Quality & Chairman - Central Safety Council for Group, MITS Alumnus- 1975 Batch



## Media Coverage

### एमआईटीएस में इंडक्शन प्रोग्राम आज से

ग्वालियर ◆ माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) में इस सत्र में प्रवेश लेने वाले करीब 1500 नव प्रवेशित विद्यार्थियों के लिए पांच दिवसीय ऑनलाइन इंडक्शन प्रोग्राम 26 अक्टूबर से होने जा रहा है। कार्यक्रम में 2021-22 के विभिन्न कोर्स जैसे इंजीनियरिंग की सभी शाखाओं आर्किटेक्चर, एमसीए, एमटेक के प्रथम सेमेस्टर में प्रवेश

लेने वाले विद्यार्थियों एवं उनके अभिभावकों को शैक्षणिक एवं अन्य गतिविधियों, कार्यप्रणाली, कोविड - 19 गाइडलाइन से परिवर्तित शिक्षा पद्धति आदि से अवगत कराया जाएगा। पाँच दिन के इस कार्यक्रम के प्रथम दिन सभी बोर्ड मेंबर्स एवं संस्थान के डायरेक्टर डॉ.आरके पंडित ऑनलाइन वीडियो के माध्यम से सभी विद्यार्थियों को संबोधित करेंगे।

### एमआईटीएस में नव प्रवेशित छात्रों के लिए इंडक्शन प्रोग्राम शुरू

- पांच दिन तक चलने वाले कार्यक्रम के जरिए छात्र संस्थान को जान सकेंगे

पीपुल्स संवाददाता ● ग्वालियर  
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माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) में इस सत्र में प्रवेश लेने वाले लगभग 1500 छात्रों के लिए पांच दिवसीय ऑनलाइन इंडक्शन प्रोग्राम का आयोजन मंगलवार से शुरू हो गया। इंडक्शन प्रोग्राम का आयोजन संस्था के ऑनलाइन प्लेटफॉर्म मूडल पर किया जा रहा है। पांच दिनों तक चलने वाले कार्यक्रम में विद्यार्थियों एवं उनके अभिभावकों को शैक्षणिक एवं अन्य गतिविधियों,



कार्यप्रणाली की जानकारी देने के साथ-साथ हैकथॉन, साहित्यिक, सांस्कृतिक, मोटिवेशनल, खेल आदि क्षेत्रों से सम्बंधित गतिविधियां भी आयोजित की जा रही हैं। साथ ही प्रत्येक दिन अलग-अलग क्विज एवं कॉम्पिटिशन रखे जायेंगे। जिसमें हर दिन जीतने वाले पांच विद्यार्थियों को पुरस्कृत किया जायेगा।

कार्यक्रम के प्रथम दिन सभी बोर्ड मेंबर्स ने इंजी. रमेश अग्रवाल (सेक्रेटरी, सिंधिया इंजीनियरिंग कॉलेज सोसाइटी), प्रशांत मेहता

पूर्व आईएस, प्रो. केके अग्रवाल पूर्व चेयरमैन एनबीए, प्रो. डीपी अग्रवाल पूर्व चेयरमैन यूपीएससी, संस्थान के डायरेक्टर डॉ. आरके पंडित ने ऑनलाइन वीडियो के माध्यम से सभी विद्यार्थियों को संबोधित किया। कार्यक्रम में कंप्यूटर साइंस विभाग के प्रो. मनीष दीक्षित ने संस्थान की इंट्रोडक्शन प्रोफाइल की जानकारी दी तत्पश्चात संस्थान की डीन एकेडमिक डॉ. मंजरी पंडित एवं रजिस्ट्रार, डॉ. प्रवेश जायसवाल ने संस्थान की एकेडमिक गतिविधियों, संस्थान में प्रदान की जाने वाली विभिन्न स्कॉलरशिप एवं अन्य गतिविधियों से अवगत कराया। इसके साथ ही विद्यार्थियों को संस्था को वचुंअल

दूर के माध्यम से दिखाया गया एवं हैकथॉन कॉम्पिटिशन के बारे में जानकारी दी गयी।

कार्यक्रम के दूसरे दिन नवोदित विद्यार्थियों को संस्थान में संचालित विभिन्न क्लब, स्टूडेंट चैप्टर की गतिविधियों के बारे में जानकारी देगे ताकि वे अपनी रूचि अनुरूप भविष्य में इन क्लब का हिस्सा बन सकें। साथ ही, एग्जाम प्रोसेस, ट्रेनिंग एंड प्लेसमेंट सेल, संस्थान के डिप्लोमा, ऑनलाइन-ऑफलाइन पढ़ाई कराने के लिए स्थापित अधोसंरचना के बारे में भी छात्रों को बताया जायेगा। कार्यक्रम के तीसरे एवं चौथे दिन छात्रों को उनकी ब्रांच के अनुसार अलग-अलग डिपार्टमेंट से अवगत कराया जायेगा।



The full report is enclosed as Annexure-VIII



**Item.12: Pedagogical and examination reforms in line with the broad theme/philosophy of NEP-2020**

- The house reviewed following **Pedagogical and examination reforms** in line with the broad theme/philosophy of NEP-2020:
  - In the IQAC meeting on 25<sup>th</sup> June, 2021 the preparedness of the institute regarding implementation of National Education Policy (NEP-2020) was reported
  - In the previous meeting of the IQAC on 8<sup>th</sup> October 2021, the status of implementation and action taken for implementing the NEP-2020 by offering Novel Engaging Courses (NEC) was discussed in Agenda Item N0. 37
  - In continuation, the scheme was revised w.e.f 2020-2021 batch, the ratio of continuous to end-term evaluation was increased from 30:70 to 40: 60 (i) “*Proficiency in Course*” was added in the ‘end-term evaluation’ component and (ii) ‘*Skill based mini project*’ was added in the ‘continuous evaluation’ was added in the practical component.
  - For the effective implementation, of changes incorporated in the curriculum, the evaluation process/formats/weightages etc. are changed from time to time.
  
- The **Dean Academics of the Institute** has appraised the house about following guidelines which were prepared in line with the NEP-2020:
  - (i) *Guidelines for the ‘Evaluation of Proficiency in Course’ using both Direct/Indirect assessment were prepared and circulated.*

The curriculum and scheme have been revised for the 2020-2021 admitted batch onwards, in line with the key concepts (Flexibility, multidisciplinary orientation, holistic development) behind the NEP-2020. The flexible curriculum is in place from 2017-2018 admitted batch.
  - (ii) *Revised guidelines of Professional Development Course (PDC) in VIII Semester*

In the IQAC meeting on 8<sup>th</sup> 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 03 credits at the VIII semester.
  - (iii) *The change in the pattern of end –term examination question paper for the First & Second Year UG batch was proposed by the ADC and approved by the Academic Cell.*



**Item. 13 Report on conduction of the Novel and Engaging Courses (NEC) by the Dean Student Welfare.**

- The **Dean Student Welfare** has presented the following report on conduction of the Novel and Engaging Courses (NEC):

S. No.	Name of Courses	Course Mentors	Total Enrolled Students
1	33	40	1138

**Suggestions / Experiences shared by NEC Mentors**

- Students are more interested in offline mode classes.
  - Difficulty in conducting online performance sessions (wherever applicable), due to constraint of internet facilities at student's end (performing requires continuous and consistent connectivity).
  - Inaccessibility of students to active learning due to lack of trained faculty in some cases. External mentoring is required.
  - Students have casual approach - not appearing in quiz assignments and seminars, attendance is not good and regular.
  - As this is a cross branch course, scheduling of sessions is sometimes difficult. Students complain that on weekends they give quiz and assignments and extra classes are there. On weekdays in evening remedial classes are there. It led to lesser participation of the students. Needs scheduling of class in time table – once in a week.
  - There should be a group of faculty mentors to guide the students, instead of a single faculty coordinator in a course.
- As per the suggestions of students, it was decided to keep the two periods (one credit) slot in the **weekly classes Time-Table** as lab classes.

*The full enrolment details are enclosed as Annexure-IX*

**Item. 14 Activities conducted under the 'Annual Gender Sensitization Plan'**

- The house reviewed the following Activities conducted in the Institute as per the 'Annual Gender Sensitization Plan' during July-November 2021:

**Summary of Gender Sensitization activities (July-November 2021)**

Name of Event	Date	Resource Person	Participants	Females	Males	Link
Understanding gender sensitization, phase-I (for Faculty)	17.09.2021	Ms. Prerna Priya, Faculty, Jiwaji University	116	28	88	<a href="https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing">https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing</a>



Understanding gender sensitization, phase-II (for staff class II and class III)	24.09.2021	Ms. Prernapriya, Faculty, Jiwaji university	71	22	49	<a href="https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing">https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing</a>
Understanding gender sensitization, phase-III (for staff class IV)	10/1/2021	In-house	62	8	54	<a href="https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing">https://drive.google.com/drive/folders/1x6PaKZYAGqC6hOwyW0OG5nX5nyrKIwul?usp=sharing</a>
Workshop on “Sakhsham and UGC guidelines-Awareness program”	22.10.2021	In-house	36	12	24	<a href="https://drive.google.com/drive/folders/1x6r9l8gNTEWiE5ofvlhBAvNdZt4TnXi?usp=sharing">https://drive.google.com/drive/folders/1x6r9l8gNTEWiE5ofvlhBAvNdZt4TnXi?usp=sharing</a>
Social media Campaign on India’s Recognition Through Gender Parity	II week of September	In-house	173	Difficult to differentiate on social media	Difficult to differentiate on social media	<a href="https://drive.google.com/drive/folders/13rWXbmS2qjeM02_o6thTzeSvs8nFecP7?usp=sharing">https://drive.google.com/drive/folders/13rWXbmS2qjeM02_o6thTzeSvs8nFecP7?usp=sharing</a>
Discussion on Social Biases through Open mic event – “GUFTAGU”	26.09.2021	In-house	25	8	17	<a href="https://drive.google.com/drive/folders/19pjHzByNUF5Fuij58BWXX16CzSQ_xHg-?usp=sharing">https://drive.google.com/drive/folders/19pjHzByNUF5Fuij58BWXX16CzSQ_xHg-?usp=sharing</a>

**Item. 15 Department level Alumni Meet conducted in virtual mode. {Order. No. 1886 Date:21/10/2021}**

➤ Based on discussions in the previous meeting regarding strengthening Alumni connect at department level, the Dean Academics of the Institute has appraised the house about initiative taken for a department level Alumni Meet conducted in virtual mode **during November-December 2021**. The objectives are to:

- A. Brief the alumni about the recent initiatives/ achievements of (i) the institute (ii) the department through a power point presentation consisting of about 8-10 slides
- Flexible curriculum, in-house internship modules being offered to students at institute level
  - Self-learning provision for students through MOOCs
  - Performance of the NPTEL Chapter
  - Provision for minor specialization
  - OC courses being offered for multidisciplinary knowledge
  - Student clubs/chapters other activities for personality development
  - Snapshots of infrastructure & facilities of the institute, smart class rooms, labs, Digital Studio, virtual tour of the institute/department



- Paper publications etc.
- Anything else which may be of interest to the Alumni
- B. Tell the alumni through 1-2 slides about the expectations/help the institute/department needs from them (areas where alumni can contribute in the development of the department/institute)
  - Full-time Internships (2 to 6 months)
  - Job Placements
  - Involvement in curriculum design, and providing experts for collaborated courses
  - Providing exposure to students and faculty on industrial practices and latest technologies through training sessions
  - Conducting short term training programmes in collaboration
  - To develop incubation centres and centres of excellence
  - Joint guidance of research projects of students
  - Projects in collaboration with industry in mutually identified areas
  - Support to weak students and merit scholarships for students
  - Participating in joint R&D activities for patents & publication, etc.
  - Anything else that the department wants to add here
- C. Tell the alumni about 'areas of departmental competencies' (faculty profiles, available labs, institutional infrastructure etc.) which can be offered by the department/institute, through a few slides
  - Faculty profiles and their area of research
  - Departmental laboratory photos/videos etc.
  - Anything else that the department wants to add
  - Smart class rooms, computational facilities
- D. Ask the alumni what the department can do for them/for their organizations (**Scope for providing corporate training, to be explored; AQAR point 3.5.1**)
- E. Find out if the faculty/staff can be trained (on chargeable basis) by the industry personnel to accomplish (4) (**AQAR point 3.5.2**)
- **Shri Prashant Mehta, IAS, Member, BOG** has suggested to present the Department Level Alumni Meet reports in the next IQAC meeting.

**Item. 1 6 Initiative taken for increasing institutional visibility by providing MITS domain mail ids to students**

- **The IQAC Member Shri Atul Chauhan**, Programmer has briefed the house regarding following Initiative taken for increasing institutional visibility by providing MITS domain mail ids to students:

All the UG students' email id is created in "@mitsgwl.ac.in" domain which is our academic domain and all the students were informed; messages with their credentials were sent as follows on October 8<sup>th</sup> 2021.

If the student enrolment number is 0901CS201001, then email id will be "20cs1001@mitsgwl.ac.in"

- The following numbers of email ids and groups for students in mitsgwl.ac.in domain now:
- 2018 admitted students 1003 emails and group name 2018batch@mitsgwl.ac.in
- 2019 admitted students 1042 emails and group name 2019batch@mitsgwl.ac.in
- 2020 admitted students 1393 emails and group name 2020batch@mitsgwl.ac.in



**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
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- 2021 admitted students 1468 emails and group name [2021batch@mitsgwl.ac.in](mailto:2021batch@mitsgwl.ac.in)
- To promote the use of Institute domain mail IDs among students, the **Training & Placement Officer** has also suggested to make compulsory the registration through Institute domain email IDs by students for campus placement.

**Item. 17: The status of OBE activities in the institute**

- The house reviewed the status of OBE activities in the institute through **Academic Development Cell/OBE manager**:

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR-5**  
(A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal, MP)

Date: 30.11.2021

**Subject: Meeting of OBE Coordinators**

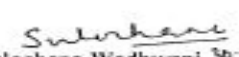
As per the decision of the ADC, a series of meetings of all OBC coordinators is to be conducted for ensuring that uniform CO attainment policies are adopted across all the departments.

In this regard, the OBE coordinators are requested to prepare a report on the process of computation of CO attainment for each course type (Theory/Practical/Seminar/Internship/ Course by NPTEL etc.).

The report will be reviewed/ discussed as per the following schedule:

S. No.	Department	Date	Time	Venue
1.	Chemical Engineering	2.12.2021	4.30-5.00pm	Seminar Hall 3 EED
2.	CSE	2.12.2021	5.00-5.30pm	
3.	IT	2.12.2021	5.30-6.00pm	
4.	Electronics & ET	3.12.2021	4.30-5.00pm	
5.	Applied Science & Humanities	3.12.2021	5.00-6.00pm	
6.	Mathematics & Computing	6.12.2021	4.00-4.30pm	
7.	Civil Engineering	6.12.2021	4.30-5.00pm	
8.	Mechanical & Automobile Engineering	6.12.2021	5.00-5.30pm	
9.	Electrical Engineering	6.12.2021	5.30-6.00pm	

The OBE coordinators may contact the undersigned for any query/clarification in this regard.

  
Sulochana Wadhvani, 30-11-20  
OBE Nodal Manager,  
MITS Gwalior

Copy to:  
1. The OBE Coordinators  
2. Office of Dean Academics



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

Date: 7/12/2021


**Report of the OBE Coordinators Meeting during 2-6 Dec 2021**

The meeting of the **OBE Coordinators** of the Institute scheduled during 2-6 December, 2021 was conducted as per the scheduled timeline shown below:

S. No.	Department	Date	Time	Venue
1.	Chemical Engineering	2.12.2021	4.30-5.00pm	Seminar Hall 3 EED
2.	CSE	2.12.2021	5.00-5.30pm	
3.	IT	2.12.2021	5.30-6.00pm	
4.	Electronics & ET	3.12.2021	4.30-5.00pm	
5.	Applied Science & Humanities	3.12.2021	5.00-6.00pm	
6.	Mathematics & Computing	6.12.2021	4.00-4.30pm	
7.	Civil Engineering	6.12.2021	4.30-5.00pm	
8.	Mechanical & Automobile Engineering	6.12.2021	5.00-5.30pm	
9.	Electrical Engineering	6.12.2021	5.30-6.00pm	

The following issues were discussed and resolved:

- Based on the attainment of the last three years for each department, it is decided to raise the % benchmark from 60% to 65% as threshold for computation of % CO attainment.
- The level of the attainment will be continued as:
  - **Level 1 (Satisfactory)** : 50% students scoring more than benchmark
  - **Level 2 (Moderate)** : 60% students scoring more than benchmark
  - **Level 3 (Substantial)** : 70% students scoring more than benchmark
- The target attainment for each CO can be fixed on moderate level and subjected to vary from subject to subject.
- It is observed that action taken based on the gap analysis in CO attainment, the attainment level in all the subjects in each department has improved substantially.
- From this semester onwards, the gap in CO attainment is to be computed in levels and accordingly actions are to be proposed and taken in the next semester.
- The rubric for computation of direct CO attainment is revised for the 2020 admitted batch.
- So, for 2020 admitted batch, the rubric for computation of direct CO attainment is computed with following weightage: =60% of End Sem Examinations+ 20% through Mid Sem Examinations+10%through Assignment+10% through Quiz
- For batches before 2020, the direct CO attainment was considered as = 70% of End Sem Examinations+ 20% of Mid Sem Examinations+5% Assignment+5% Quiz
- Three activities with the weightage of 50%-25%: 25% are being used for the computation of indirect CO attainment, i.e.:
  - (i) Student Feedback on Course Outcomes
  - (ii) Course end seminar
  - (iii) One-minute paper writing
- For computation of overall CO attainment, 80% weightage to direct CO attainment & 20% weightage to indirect CO attainment are continued.

  
Sulochana Wadhvani  
Professor EED, OBE Nodal Manager

Page 1 of 1

**Item. 18: To present the report of the 3<sup>rd</sup> International Conference on “Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2021)”.**

- The Dean Academics of the Institute & General Chair of ICSISCET-2021 has presented the following report of the 3<sup>rd</sup> International Conference on “Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET-2021)”:



- Madhav Institute of Technology & Science (MITS), Gwalior, and the Soft Computing Research Society (SCRS), New Delhi, jointly organized the 3<sup>rd</sup> International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2021) in Virtual Format during November 13-14, 2021.
- The conference was conducted in virtual mode using webex.
- An MoU was also signed for this purpose between MITS and SCRS on 16<sup>th</sup> July 2021.
- In the 3<sup>rd</sup> ICSISCET-2021, over 267 papers were received, 112 papers were accepted after rigorous review for presentation under 4 tracks.
- 72 papers were accepted for publication in Springer book series and 26 were accepted for publication in SCRS book series.
- Total 91 papers were presented in 15 different technical sessions in which 22 experts contributed as sessions chairs.
- The formal contract for publishing papers presented in this International Conference was signed on **25<sup>th</sup> September 2021** with Springer Nature Switzerland.
- The conference proceeding is being prepared for publication in Springer Series, Algorithms for Intelligent systems (AIS) (<https://www.springer.com/series/16171>).
- The title of the work is “**Artificial Intelligence and Sustainable Computing - Proceedings of ICSISCET 2021**”.
- The editors are **Prof. Manjaree Pandit, Prof. Manoj Kumar Gaur, Prof. Akhilesh Tiwari** from Madhav Institute of Technology & Science, Gwalior and **Dr. Prashant Singh Rana, Thapar Institute of Engineering & Technology, Patiala**.

*The full report is enclosed as Annexure-X*

**Item. 19: To apprise the members about the initiative taken to organize International Conference of Undergraduate Students (ICUS-2021)**

- The Dean Academics of the Institute has apprised the IQAC members about the initiative taken to organize International Conference of Undergraduate Students (ICUS-2021). Following are the details of ICUS-2021:
  - The Institute has also collaborated with the Soft Computing Research Society (SCRS) to conduct **International Conference of Undergraduate Students (ICUS-2021)** a first of its kind initiative with 7 other partner institutes;
    - Indian Institute of Information Technology, (IIIT) Pune
    - National institute of technology (NIT) Delhi
    - Christ University Bangalore
    - BBDNIIT
    - REC Sonbhadra
    - RIET, Jaipur and
    - Anand International College of Engineering, Jaipur





- The conference was conducted in virtual mode using webex.
- 416 authors from different countries have submitted their abstracts/papers
- 18 parallel technical sessions were conducted
- 01 workshop on “Introduction to Machine Learning and Project Development by Dr. P.S. Rana, Thapar University

*The full report is enclosed as Annexure-XI*

### **Item. 20: Status of implementation of MITS-MOOCs**

- The house reviewed the Status of implementation of MITS-MOOCs:
  - One MOOC course developed by MITS faculty “Introduction to Computer Programming” (which is common for all branches of students) is currently being offered to the first year students as an additional support.
  - Faculty members can now use the course recording to conduct classes in “Flipped Mode”.
  - Following is the webpage link of the developed MOOCs in the studio
  - <https://mitsgwalior.in/moocs.php>
  - Notice no 1460 dated 11/08/2021 assigning 16 faculty members from different departments, the task of developing 16 MOOC courses for B.Tech VIII semester, Architecture, V semester and Mandatory Audit Courses (MACs) being offered in the III/IV semester
  - **First Phase of MOOC Development by the institute:** In continuation to the above, Notice no nil dated 12/10/2021 inviting 7 faculty members to start recording their courses. Detailed guidelines and presentation instructions along with template were also circulated through mail, on 12<sup>th</sup> October 2021.
  - **Second Phase of MOOC Development by the institute:** Notice no 1409 inviting the 6 faculty members from the remaining members was sent on 6<sup>th</sup> December 2021.

### **Item No.21: Cleanliness campaign/program by Holistic Health Club (HHC) MITS**

- The Director of the Institution has appraised the house about following Cleanliness campaign/program by Holistic Health Club (HHC) MITS:
  - The cleanliness drive was organized by the HHC, MITS Gwalior in collaboration with Rotaract Club of Gwalior, Regal, and Electrical Engineering Department on the occasion of 2<sup>nd</sup> October 2021, Gandhi Jayanti.
  - Gifts and flowers were given to the Safai workers who tirelessly work braving all weathers and adverse conditions (such as COVID times) to keep the campus clean and provide a safe and healthy environment for the faculty, staff and students.
  - The students and dignitaries cleaned the area around the Amul Parlour, dispensary and NCC block in a symbolic gesture.



- As per the proposals of Director of Institute, house approved the **felicitation /Awards** for two Safai workers on the basis of performance on the occasion of MITS day.

— *The report enclosed as Annexure-XII*

**Item. 22: Academic Events conducted and attended by faculty members during 2020- 2021**

- The house reviewed the following Academic Events conducted and attended by faculty members during 2020- 2021:

Name of Activity	Conducted	Attended
Workshop	23	112
International Conference	1	31
Seminar	3	10
Webinar	8	154
Training Programmes	5	230
<b>TOTAL</b>	<b>40</b>	<b>537</b>

*The full report is enclosed as Annexure-XIII*

**Item23: Feedback on T-L-E collected on institute MOODLE in November 2021 (26<sup>th</sup> -27<sup>th</sup>November 2021) from the II to Final year students(Teaching Session ended on 27<sup>th</sup> November 2021)**

- The Dean Academics of the Institute has presented the following summary of Feedback on T-L-E collected on institute MOODLE in November 2021 (26<sup>th</sup> -27<sup>th</sup>November 2021) from the II to Final year students:

**Faculty Feedback Index -III to Final Year (26-27 November 2021)**

S.No.	Department Name	% Response	DFI <sup>#</sup>	Total Faculty	Faculty (FFI>4)
1	Civil Engineering	34.64	3.88	16	8(50%)
2	Mechanical Engineering	34.45	3.84	25	9(36%)
3	Electrical Engineering	62	4.01	17	9(53%)
4	Electronics Engineering	53.61	3.95	15	8(53%)
5	Computer Science and Engineering	51.41	4.11	16	14(87.5%)
6	Information Technology	50.09	3.98	6	3(50%)
7	Chemical Engineering	39.75	4.13	5	4(80%)
8	Architecture	35.53	3.97	12	6(50%)
9	Department of Management	58.06	4.07	10	6(60%)
10	MCA	66.08	4.28	5	4(80%)

*# Departmental feedback index (DFI) is the Average FFI of the department*



**A sample of Coordinator's Report on Feedback (Electronics Department) (III & IV Year)**

Coordinator Name		Session	Department Name	DFI	% Response		
Prof. Madhav Singh		Dec. 2021	Electronics Engineering	<b>3.95</b>	<b>53.61</b>		
S.No.	Faculty Name	Subject Code	Subject Name	Register	Response	FFI	HOD Comments
1	Dr. P.K. Singhal	200502	Electromagnetic Field Theory	72	27	3.67	Satisfactory
2	Dr. Laxmi Shrivastava	140502/200502	Electromagnetic Field Theory	146	78	3.79	Satisfactory
3	Dr. Vandana Vikas Thakare	200503	Microprocessor & Interfacing	68	40	3.98	Satisfactory
4	Dr. R. P. Narwaria	140504	Linear Control Theory	59	30	3.75	Satisfactory
5	Dr. Karuna Markam	140505/200505	Digital Communication	200	108	3.84	Satisfactory
6	Prof. Madhav Singh	900207	Consumer Electronics	85	53	4.1	Good
7	Prof. Deep Kishore Parsediya	OC-3	MEMS & Mechatronics	33	17	4.29	Good
8	Prof. Pooja Sahoo	140711	Satellite and Radar Communication	82	54	4	Good
9	Dr. Vikas Mahor	140705/200705	VLSI Design	75	37	4.27	Good
10	Dr Rahul Dubey	100008	Intellectual Property Rights	141	66	4	Good
11	Dr. Deepak Batham	140504	Linear Control Theory	71	49	4.04	Good
12	Prof. Pooja Sahoo	900206	Satellite Communication	90	46	4	Good
13	Dr. Vandana Vikas Thakare	140713/200713	Microwave Engineering	47	32	3.86	Satisfactory
14	Prof. Deep Kishore Parsediya	140503	Data Communication	76	46	3.71	Satisfactory
15	Dr. Vikas Mahor	900209	Multimedia Communication	70	22	4.04	Good

**Sample of II Year Feedback**  
(Teaching Session ended on 17<sup>th</sup> December)

**A sample of Coordinator's Report on Feedback (IT Department) \$**

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)							
Coordinator Report Feedback-II							
Coordinator Name		Session	Department Name	DFI	Department Response		
Neha Bhardwaj		July-December 2021	Information Technology	<b>3.95</b>	<b>55.37</b>		
IT-III Semester (II Year)							
S.No.	Faculty Name	Subject Code	Subject Name	Registered Students	Response	Response %	FFI
1	Rakesh Singh Tomar	100001	Engg. Mathematics-II	74	29	39.19	<b>3.79</b>
2	Prof. Neha Bhardwaj	160311	Computer System Organization	74	43	58.11	<b>4.00</b>
3	Prof. Abhishek Dixit	160312	Design & Analysis of Algorithms	74	50	67.57	<b>4.18</b>
4	Prof. Punit Kumar Johari	160313	Database Management System	74	47	63.37	<b>3.9</b>
5	Dr. Sanjiv Sharma	160314	Operating System	74	36	48.6	<b>3.88</b>
Final Coordinator Report (feedback I & Feedback II)							
Coordinator Name		Session	Department Name	DFI			
Neha Bhardwaj		July-Dec 2021	INFORMATION TECHNOLOGY	<b>3.92</b>			
IT-III Semester (II Year)							
S.No.	Faculty Name	Subject Code	Subject Name	FFI-I	FFI-II	Final FFI	
1	Rakesh Singh Tomar	100001	Engg. Mathematics-II	3.86	<b>3.79</b>	<b>3.83</b>	
2	Prof. Neha Bhardwaj	160311	Computer System Organization	4	<b>4.00</b>	<b>4.00</b>	
3	Prof. Abhishek Dixit	160312	Design & Analysis of Algorithms	4.12	<b>4.18</b>	<b>4.15</b>	
4	Prof. Punit Kumar Johari	160313	Database Management System	3.8	<b>3.9</b>	<b>3.85</b>	
5	Dr. Sanjiv Sharma	160314	Operating System	3.64	<b>3.88</b>	<b>3.76</b>	



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

**A sample of Coordinator's Report on Feedback (IT Department)**

**A sample of Coordinator's Report on Feedback (IT-IoTProgramme)<sup>§</sup>**

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR							
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)							
Coordinator Report Feedback-II							
Coordinator Name		Session	Department Name		DFI	Department Response	
Dr. Sanjiv Sharma		July-Dec 2021	Information Technology		<b>4.01</b>	<b>57.56</b>	
IoT-III Semester (II Year)							
S.No.	Faculty Name	Subject Code	Subject Name	Registered Students	Response	Response %	FFI
1	Prof. DK Mishra	250300	Probability & Random Process	74	37	50	<b>3.91</b>
2	Prof. Vishwas Srivastava	230301	DESIGN & ANALYSIS OF ALGORITHM	74	42	56.756757	<b>4.02</b>
3	Prof. Vikas Sejwar	230302	Operating System	74	46	62.162162	<b>3.84</b>
4	Prof. Abhilash Sonker	240303	Computer Network and Protocols	74	44	59.459459	<b>3.97</b>
5	Dr. Saamil Mahshwari	230304	DBMS	74	44	59.459459	<b>4.21</b>
Final Coordinator Report (feedback I & Feedback II)							
Cordinator Name		Session	Department Name		DFI		
Dr. Sanjiv Sharma		July-Dec 2021	INFORMATION TECHNOLOGY		<b>3.96</b>		
IT(IoT)-III Semester (II Year)							
S.No.	Faculty Name	Subject Code	Subject Name	FFI-I	FFI-II	Final FFI	
1	Prof. DK Mishra	250300	Probability & Random Process	3.93	<b>3.91</b>	<b>3.92</b>	
2	Prof. Vishwas Srivastava	230301	DESIGN & ANALYSIS OF ALGORITHM	3.91	<b>4.02</b>	<b>3.965</b>	
3	Prof. Vikas Sejwar	230302	Operating System	3.72	<b>3.84</b>	<b>3.78</b>	
4	Prof. Abhilash Sonker	240303	Computer Network and Protocols	3.83	<b>3.97</b>	<b>3.9</b>	
5	Dr. Saamil Mahshwari	230304	DBMS	4.3	<b>4.21</b>	<b>4.255</b>	
Coordinator's Name & Signature				HOD Name and Signature		DIRECTOR	
Date				Date			

<sup>§</sup> Signed copies are available in departmental files



**Sample of Individual Faculty Feedback Sheet<sup>§</sup>**

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)									
Department Name Information Technology									
Faculty Name	Subject Code	Subject Name	Semester	Registered Students	Response	% Resp	FFI		
Abhilash	240303	Computer Network and Protocols	III	68	44	64.71	3.97		
Saturday, 11 December 2021, 12:08 PM				Submitted answers: 44					
Label	Question	1- Below	2- Average	3- Good	4- Very good	5- Excellent	QV	Comment	
1	Coverage of syllabus/course content is good	1	1	12	20	10	3.84	Satisfactory	
2	The classes are engaged with good preparation	0	3	11	16	14	3.93	Satisfactory	
3	The concepts are cleared by giving examples and applications	0	4	10	18	12	3.86	Satisfactory	
4	Rate the communication skills of the faculty	0	2	11	13	18	4.07	Satisfactory	
5	Evaluation/assessment (mid-term, quiz etc.) by the faculty is fair and justified	0	2	9	16	17	4.09	Satisfactory	
6	Performance in assignments/quiz/mid-term exams is discussed in class	0	2	15	14	13	3.86	Satisfactory	
7	Expected Course Outcomes (CO), Program Outcomes (PO), Programme Specific Outcomes (PSOs)	2	1	13	15	13	3.82	Satisfactory	
8	Classes are useful and help in identifying strengths and correcting weaknesses	1	3	10	18	12	3.84	Satisfactory	
9	The PPTs/notes and lecture recordings are shared in a timely manner	0	1	12	13	18	4.09	Satisfactory	
10	Additional classes are conducted for remedial purpose	0	3	15	12	14	3.84	Satisfactory	
11	The weekly quiz and fortnightly assignments motivates you to revise and learn better	1	4	13	9	17	3.84	Satisfactory	
12	Attitude is in general positive, supportive and helpful	0	1	12	8	23	4.20	Appreciation	
13	Behaviour is ethical and shows no gender bias	0	0	11	11	22	4.25	Appreciation	
14	Overall rating of the course covered so far	0	3	9	17	15	4.00	Satisfactory	
		5.00	26.00	131.00	164.00	158.00	3.97		
Attitude is in general positive, supportive and helpful		FFI & Suggestions are noted for further improvement.							
1- Below Average									
0									
0									
1- Below Average		Faculty Name & Signature		HOD		DIRECTOR			

<sup>§</sup>Signed copies are available in departmental files

The full report on feedback is enclosed as Annexure-XIV

**ITEM 24: Student counselling report (October to November 2021)**

➤ The **Dean Academic of the Institute** has presented the following MITS Counselling Cell report of one-to-one counselling provided to students, department-wise for the period October to November 2021:

S. No.	Department	Date	Total Number students present <sup>§</sup>
1.	Civil Engineering	07.11.2021, 08.11.2021 11.11.2021, 22.11.2021	04
2.	Mechanical Engineering	18.10.2021, 22.10.2021 27.10.2021, 10.11.2021 17.11.2021, 21.11.2021 29.11.2021	10
3.	Automobile Engineering	28.10.2021, 10.11.2021 12.11.2021, 17.11.2021 21.11.2021, 22.11.2021 25.11.2021, 26.11.2021 29.11.2021	10
4.	Electrical Engineering	10.11.2021, 16.11.2021	02
5.	Electrical Engineering/IoT	09.11.2021, 22.11.2021	03



6.	Electronics Engineering	26.11.2021	01
7.	Electronics & Telecommunication	21.11.2021	01
8.	Information Technology	09.11.2021	01
9.	IT- IoT	18.10.2021	01
10.	IT- AIR	21.11.2021, 25.11.2021	02
11.	Chemical Engineering	09.11.2021	01
		<b>Total</b>	<b>36</b>

➤ The **Director of the Institute** has requested Dean Student Welfare & Registrar to conduct/schedule counselling sessions for faculty & staff through Institute Counsellor.

§ **The records are available with the full time student counsellor available in the institute.**

*The full report is enclosed as Annexure-XV*

**Item 25: Institute organised Gwalior Drone Mela on 11.12.2021 with the collaboration Ministry of Civil Aviation, Govt. of India and FICCI.**

➤ The house appreciated the organization of Gwalior Drone Mela in the Institute on 11.12.2021. The details of Gwalior Drone Mela are as follows:

- **Gwalior Drone Mela** was organised on December 11, 2021, jointly by Ministry of Civil Aviation, Government of India, Government of Madhya Pradesh, Federation of Indian Chambers of Commerce & Industry (FICCI) at **Madhav Institute of Technology & Science (MITS), Gwalior.**
- The programme was the biggest congregation of drone manufacturers, service providers, drone enthusiasts and user communities, especially students, farmers and common people of the city.
- **The event included drone exhibition, demonstration, drone spardha, industry-user interactions and launches.**
- Chief guests of the programmes were **Shri Shivraj Singh Chouhan**, Hon'ble Chief Minister of Madhya Pradesh, **Shri Jyotiraditya M. Scindia**, Hon'ble Minister of Civil Aviation, Govt. of India, **Shri Narendra Singh Tomar**, Hon'ble Union Minister of Agriculture and Farmers Welfare, Govt of India and **Shri Vivek Shejwalkar**, Member of the Parliament, Lok Sabha.

**The other dignitaries on the dais were:**

- *Shri Rajiv Bansal, Secretary, Ministry of Civil Aviation, Govt of India*
- *Shri Amber Dubey, Joint Secretary, Ministry of Civil Aviation, Govt of India*
- *Various Ministers and senior officials from Govt of Madhya Pradesh*
- *Shri Prashant Mehta, IAS, Member, BOG, MITS Gwalior*
- *Er. Ramesh Agrawal, Secretary, SECS & Member, BOG, MITS Gwalior*
- *Dr. Rajindra Kumar, Director, MITS Gwalior*
- *Shri Rajan Luthra, Chairman, FICCI Drones Committee*
- *Shri Ajay Singh, Chairman and Managing Director, Spicejet Ltd.*



## Participants witnessed:

- *Launch of SpiceXpress Drone Airlines program*
- *Inauguration of Centre of Excellence for Drone Technology at MITS Gwalior*
- *Exchanging MoU between FICCI & MITS on strengthening industry academia collaboration*
- *Over 30 exhibition stalls were set up to showcase drones, drone applications, services, use cases etc.*

12 demonstrations conducted by following organisations on various drone based applications including pesticide spraying, forestation, vaccine / medicine delivery, surveillance etc. –

- SpiceXpress / Throttle Aerospace
- Asteria Aerospace Ltd
- Marut Drones
- Drone Destination
- S. AgriUdaan Pvt Ltd
- ORC tech electronics promoted by MPSEDC
- BISA CIMMYT
- SkyLaneDronetech Pvt Ltd
- Aarav Unmanned system promoted by MPSEDC & Revenue Department, Govt. of MP

— Participants and youth enjoyed drone acrobatics presented by various drone companies and high speed drone race towards the end of the programme.

— **The mega event attended by over 10,000 people.**



**75 Azadi Ka Amrit Mahotsav**

**FICCI**

**GWALIOR DRONE MELA**

**DATE: December 11, 2021 | TIME: 1400 – 1600 Hrs**  
**VENUE: Madhav Institute of Technology & Science (MITS), Gwalior**

**Shri Narendra Modi**  
Hon'ble Prime Minister

**Shri Shivraj Singh Chouhan**  
Hon'ble Chief Minister of Madhya Pradesh

**Shri Narendra Singh Tomar**  
Hon'ble Union Minister of Agriculture and Farmers Welfare Govt of India

**Shri Jyotiraditya M. Scindia**  
Hon'ble Minister of Civil Aviation Govt. of India

**Shri Vivek Shejwalkar**  
Member of the Parliament Lok Sabha

**JOIN US FOR**

- Drone Spardha
- Exposition
- Demonstrations
- Launches
- B2G interactions

**CONTACT US**

**MITS**  
M : 9826561725 / 9425339330  
E : registrar@mitsgwalior.in  
dr@mitsgwalior.in

**FICCI**  
M : 9873111690  
E : gaurav.gaur@ficci.com

Register to join  
<https://ficci.in/registration/invitee-form.asp?evid=25874>

Limited Exhibition & Demonstration slots available.  
Post your interest at [gaurav.gaur@ficci.com](mailto:gaurav.gaur@ficci.com)

\* Mela will be open for public from 1100 -1800 hrs on 11 Dec.





**Item. 26: To apprise the members about starting of the Girls NCC unit**

- The Dean academics of the Institute has appraised the house about starting of the girls NCC unit in the Institute:
- NCC for girls started at MITS from 1<sup>st</sup> December 2021.
  - Initially twenty Girls cadets have been enrolled under 3 MP CTI COY NCC MITS, gradually a girl's platoon will be formed having strength of sixty-two (62) cadets.
  - It was a long awaited demand of MITS girls to start women NCC activities, which is now fulfilled after persistent efforts of the institute.

Tele : 2665798

3 MP Compo Tech (I) Coy NCC  
MITS College  
Residency PO  
Gwalior-05

3CTI/107/Trg/1

Director  
MITS, Gwalior

Dec 2021

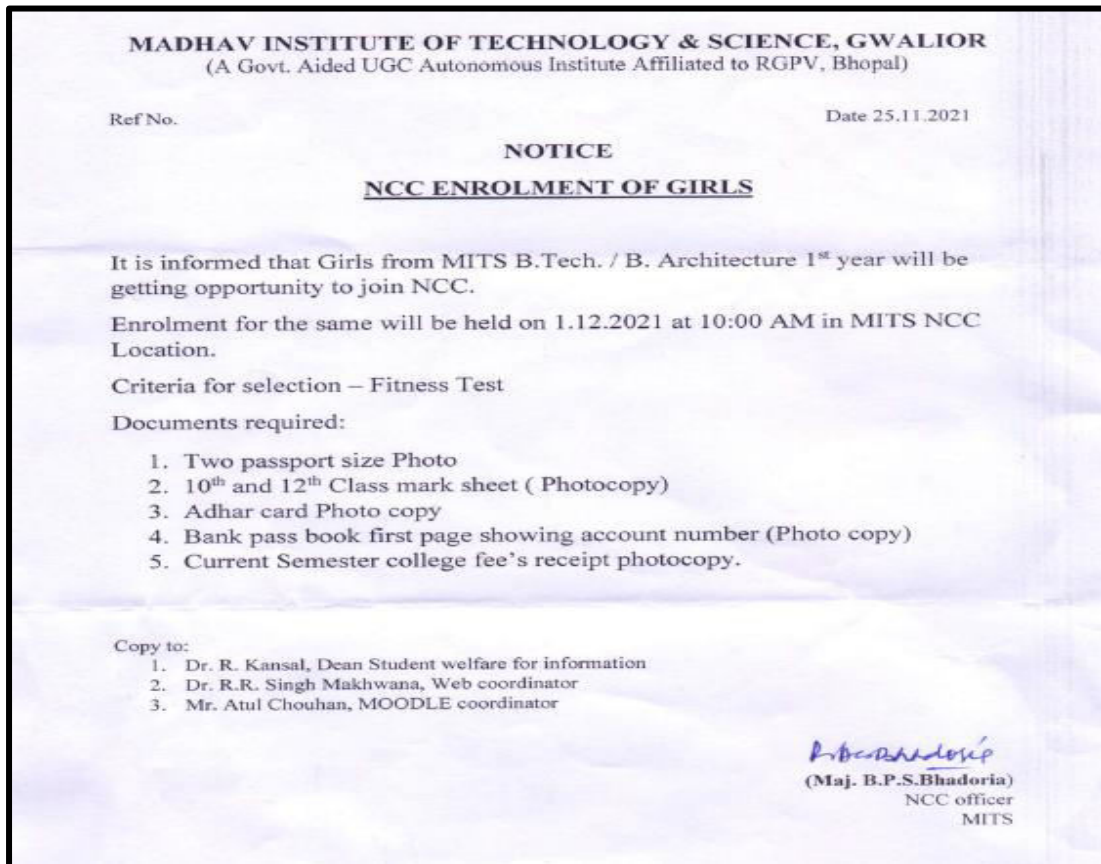
**ENROLMENT OF GIRLS IN 3 MP CTI, NCC**

1. It is informed that as per orders on the subject. 30% enrolment of girls is to be encouraged in all Units of NCC.
2. In accordance with that vacancy of girl cadets should be 60 out of total of 200 cadets. Thereby 20 girl cadets will be enrolled this academic year.
3. For necessary action please.

Copy to :

Maj B P S Bhadoria - For information pl.  
MITS, Gwalior

(R Bhargava)  
Col  
Officer Commanding



### **Item. 27: Review of the Annual Quality Assurance Report 2020-2021**

- The house reviewed the following status of Annual Quality Assurance Report 2020-2021
  - The mechanism for the review & preparation for submission of AQAR was presented in the previous IQAC meeting on 8<sup>th</sup> October 2021 vide item no 2.
  - The review of AQAR was first scheduled on 21<sup>st</sup> & 22<sup>nd</sup> November 2021 {Order Ref. No. 1923 Date: 27/11/2021, In continuation Ref. no 2111 dated 29/11/2021 }
  - The HoDs, Members of the NAAC team, Data Managers and the Director attended the meetings.
  - The informal meetings of the Data Managers within themselves and with their department faculty continued through November and December, till date.
  - The compilation of the Quantitative Metrics (QnM) is complete but the Qualitative Metrics (QIM) are still getting refined.
  - The institute will submit the AQAR: 2020-2021 before the deadline, i.e. 31<sup>st</sup> December 2021 after approval from the IQAC.

### **Summary of Formal AQAR Review Meetings**

S. No.	Date	Action	Attendance
11	22/11/2021	First review of Annual Quality Assurance Report (AQAR)	33
12	23/11/2021		29
13	02/12/2021	Final review of Annual Quality Assurance Report (AQAR)	32



- **Dr. Nameesh Miglani, General Secretary**, Sunrise Technical Education Promotional Society & alumni member of IQAC, has informed the house about the extension of submission of AQAR 2020-21 is extended by NAAC up to 01<sup>st</sup> February 2022.

*The full report is enclosed as Annexure-XVI*

**Item 28: Any other matter with the permission of the Chair.**

- (i) As per the recommendations of external experts of Academic Audit, the Dean Academics of the Institution has informed the house about the need of **Role-Based Access Control (RBAC) system** is to be implemented in the Institute Website. In the same context, Director of the Institute has requested Registrar to issue the official order to **Dr. Rajni Ranjan Singh Makwana**, Assistant Professor, Computer Science & Engineering & web-manager of the institute to implement the RBAC in Institute website on or before 31st December 2021.
- (ii) The Dean Academics of the Institution has also emphasised the need of incentivization/motivation of faculty for good (High Impact Factor/Citation) research paper publication/presentation. In the same perspective, **Dr. Nameesh Miglani**, alumni member of IQAC and other IQAC members have suggested following initiatives:
  - Issuance of Appreciation letter/Award/Certificate for the faculty on the achievement of more than 10 citations in a year.
  - Highlight/News on Institute website for the first publication to motivate young faculty members.

**(Dr. Pratesh Jayaswal)**  
**Coordinator IQAC**

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

Date: 23.12.2021