माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
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Deemed to be University
(Declared under Distinct Category by Ministry of Education, Goverment of India)
NAAC ACCREDITED WITH A++ GRADE
Gola Ka Mandir, Gwalior (M.P.) - 474005, INDIA
Ph.: +91-751-2409300, E-mail: director@mitsgwalior.in, Website: www.mitsgwalior.in

Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 30th March 2024

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **30th March 2024** 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. Dharminder Kumar, Former Professor, Computer Science & Engineering, Guru Jambheshwar University, Hisar, Haryana*

Representatives of the Management-
1. Shri Prashant Mehta, IAS, Member, BOG
2. Er. Ramesh Agrawal, Secretary, SECS & Member, BOG

Teachers-
1. Dr. Manjaree Pandit, Professor Electrical Engineering & Dean Academics
2. Dr. Rajeev Kansal, Professor, Civil Engineering Department & Dean Student Welfare
3. Dr. Manish Dixit, Professor & Head, Computer Science and Engineering
4. Dr. Anshu Chaturvedi, Professor, Computer Science and Engineering
5. Prof. Prabhakar Sharma, Assistant Professor, MAC & Dy. Registrar
6. Dr. Sunita Sharma, Associate Professor, Applied Science & Dy. Exam Controller
7. Dr. Rajni Ranjan Singh Makwana, Assistant Professor & Coordinator, Centre for AI
8. Prof. Praveen Bansal, Assistant Professor & Coordinator, Electrical Engineering - IoT
9. Prof. Vishal Chaudhary, Assistant Professor, Electrical Engineering
10. Dr.Trilok Pratap Singh, Assistant Professor, Department of Management

Administrative Officers-
1. Er. Vikram Rajput, Training & Placement Officer
2. Shri D. Gorakhpuri, Finance cum Account Officer
3. Shri Atul Chauhan, Programmer

Nominees from Local Society and Alumni -
1. Dr. Nameesh Miglani, General Secretary, Sunrise Technical Education Promotional Society*

Nominees from Employer/ Industrialist/Stakeholders –
1. Mr. Mohit Kumar Gupta, Vice President, Eicher Motors (VE Commercial Vehicles) *

Student Representatives-
1. Ms. Vanshika Patel*
2. Mr. Akash Gaur*

Attended through online mode

External members Dr. (Prof.) I.K. Bhat, *Alumni and representative of the local society* Shri Suresh Kalra, *Alumni Er. Rahul Shrivastav, employer from industry Mr. Anurag Gupta could not attend the meeting.*

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Item. 1: To confirm the minutes of the IQAC meeting on 22nd December, 2023

- *The report the performance of the NPTEL Local Chapter of Institute was reviewed.*

- *The members were briefed about the NPTEL - Internship opportunity for the students of MITS Local Chapter*

- *The monitoring mechanism of continuous Assessment process (Quiz/Assignment) during July-December 2023 was presented as per routine practice.*

- *The conduction of events/activities by clubs and Society Chapters/Forums during July-December 2023 was reviewed.*

- *The status of conduction and evaluation of the Novel Engaging Courses (NEC) offered during July-December-2023 for the holistic development of the students was presented and reviewed.*

- *The house was apprised about faculty publication in various reputed Journals during 2017 to 2023.*

- *The report and proceedings of the 5th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2023) held on October 21-22, 2023 were presented.*

- *The members were briefed about the performance and achievements of students in Sports activities.*

- *The start-up cell report for the duration January 2023 to December 2023 was reviewed.*

- *The report of the Skill Enhancement Program (SEP)-2023 was reviewed.*

- *The report of the Research Internship Program-2023 was reviewed.*

- *The new initiative to offer courses on emerging area such as Internet of Things (IoT), Blockchain and Computer Vision courses from July 2024 admitted batches was discussed.*

- *The report about the initiative taken to improve the effectiveness of the continuous evaluation mechanism (Mid-Semester Examinations) through regular actions based on monitoring by observers*

- *The counsellor report for the duration March-November 2023 was discussed and suggestions for further action were given.*

- *Conduction of the Course Outcome (CO) review by to ensure framing of COs as per Bloom's Taxonomy was reported.*

- *The members were apprised about the new initiative for the conduction of department-wise audit for Project Based Learning (Internship Research Project/Minor Project/SEP/Research Internship/Programme)*

- *The outcomes and observations of the Slow/Fast learner mechanism for II- & III-year student of the session July-December 2023 were reported.*

- *The report about process of regular Faculty Appointment to maintain the FSR as per NAAC/NBA/AICTE requirement*

- *The initiative for empanelment of off-campus faculty was discussed.*

- *The report about call of applications for the engagement of Research Assistants for Full time Ph.D. Fellowship under Research Assistantship scheme of Institute.*

- *The gender sensitization activities in the institute were reviewed.*

The minutes of the previous meeting were confirmed. The minutes are available at:
https://drive.google.com/file/d/1jI2LNScm69mWUoarE3HJAEG5EjcQgjq3/view?usp=drive_link

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Item. 2: To report about the Deemed to be University status under distinct category granted to the institute w.e.f. March 2024

— **Madhav Institute of Technology & Science, Gwalior was Declared as an Institution Deemed to be University under distinct category by Ministry of Education, Government of India vide Notification No.9-4/2023-U.3(A) dated 29th February 2024**.

— Formal Announcement of the same was made at the institute by the Chairman, Scindia Engineering College Society (SECS) on March 10, 2024 in the presence of prominent dignitaries.

— The event was celebrated as MITS day, the 79th birth anniversary of Late Shrimant Madhav Rao Scindia, the former chairman of SECS who was a prominent leader & who had been a decorated cabinet minister of Human Resource Development (Now Ministry of Education), Railways and Civil Aviation etc.

— More than 4000 alumni, parents, students, faculty & staff members witnessed the inauguration of Madhav Rao Scindia Knowledge Centre by dignitaries and celebrated the change of status of the institute to 'Deemed to be University under Distinct category'

— This historic moment was graced by distinguished guests:
   o Chief Minister of Madhya Pradesh, Dr. Mohan Yadav
   o Union Minister for Education, Shri Dharmendra Pradhan (Virtual Mode)
   o Speaker of the Vidhan Sabha Shri Narendra Singh Tomar
   o Union Minister for Jyotiraditya Madhavrao Scindia
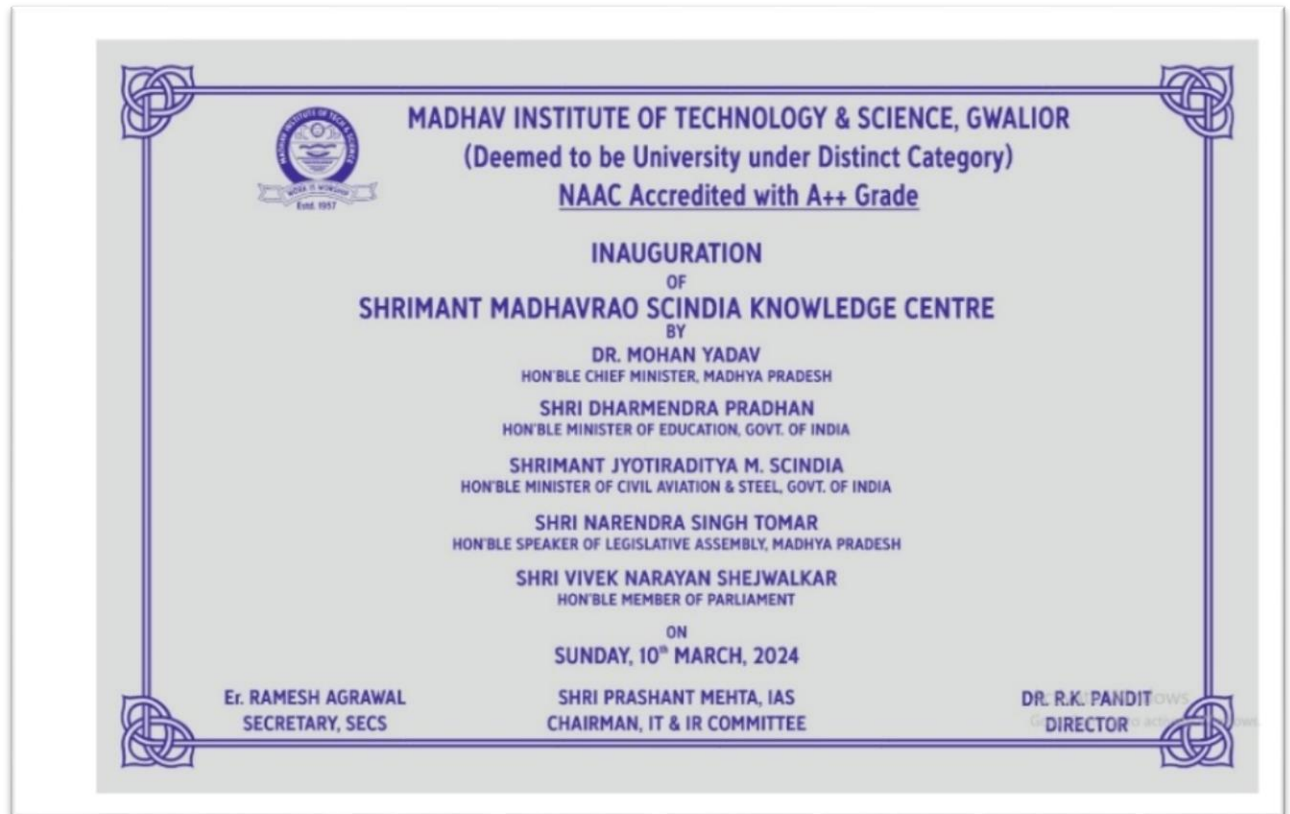   o Member of Parliament, Shri Vivek Shejwalkar

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सम विश्वविद्यालय संस्थान विशिष्ट श्रेणी के तहत
शिक्षा मंत्रालय, भारत सरकार द्वारा घोषित
(अधिसूचना क्रमांक ९-४/२०२३-यू.३ (ए), दिनांक २९ फरवरी २०२४)
औपचारिक उद्घोषणा
१० मार्च २०२४
(फाल्गुन, शुक्ल पक्ष, प्रतिपदा, विक्रम संवत २०८०)

Madhav Institute of Technology & Science, Gwalior

Declared as an Institution Deemed to be University
Under distinct category by Ministry of Education, Government of India
(Notification No. 9-4/2023-U.3 (A) dated 29ᵗʰ February 2024)

Formal Announcement
March 10, 2024
(Phalgun, Shukla Paksha, Pratipada, Vikram Samvat 2080)
BY
DR. MOHAN YADAV
HON'BLE CHIEF MINISTER, MADHYA PRADESH
SHRI DHARMENDRA PRADHAN
HON'BLE MINISTER OF EDUCATION, GOVT. OF INDIA
SHRIMANT JYOTIRADITYA M. SCINDIA
HON'BLE MINISTER OF CIVIL AVIATION & STEEL, GOVT. OF INDIA
SHRI NARENDRA SINGH TOMAR
HON'BLE SPEAKER OF LEGISLATIVE ASSEMBLY, MADHYA PRADESH
SHRI VIVEK NARAYAN SHEJWALKAR
HON'BLE MEMBER OF PARLIAMENT
DR. R.K. PANDIT
DIRECTOR

All documents and details are available at
https://drive.google.com/drive/u/2/folders/17K_cY-uErp9aPj4UjTfIdaO6Zb6_EDdh

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Item. 3: Inauguration of Shrimant Madhavrao Scindia Knowledge Centre on 10th March 2024.

— The Shrimant Madhavrao Scindia Knowledge Centre for the purpose of academic activities was inaugurated by dignitaries on 10th March 2024:

- o **DR. MOHAN YADAV**
  HON'BLE CHIEF MINISTER, MADHYA PRADESH
- o **SHRI DHARMENDRA PRADHAN**
  HON'BLE MINISTER OF EDUCATION GOVT. OF INDIA
- o **SHRIMANT JYOTIRADITYA M. SCINDIA**
  HON'BLE MINISTER OF CIVIL AVIATION & STEEL GOVT. OF INDIA
- o **SHRI NARENDRA SINGH TOMAR**
  HON'BLE SPEAKER OF LEGISLATIVE ASSEMBLY MADHYA PRADESH
- o **SHRI VIVEK NARAYAN SHEJWALKAR**
  HON'BLE MEMBER OF PARLIAMENT

— The building **of Shrimant Madhavrao Scindia Knowledge Centre** is a RCC frame structure with a basement and height of four stories. The building is fully loaded with elevators, firefighting and central RO arrangements. This Shrimant Madhavrao Scindia Knowledge Centre consists laboratories, classrooms, faculty cabins and other offices for academic and administrative purpose.

Inauguration plaque

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(Deemed to be University under Distinct Category)
NAAC Accredited with A++ Grade

INAUGURATION
OF
SHRIMANT MADHAVRAO SCINDIA KNOWLEDGE CENTRE
BY
DR. MOHAN YADAV
HON'BLE CHIEF MINISTER, MADHYA PRADESH

SHRI DHARMENDRA PRADHAN
HON'BLE MINISTER OF EDUCATION, GOVT. OF INDIA

SHRIMANT JYOTIRADITYA M. SCINDIA
HON'BLE MINISTER OF CIVIL AVIATION & STEEL, GOVT. OF INDIA

SHRI NARENDRA SINGH TOMAR
HON'BLE SPEAKER OF LEGISLATIVE ASSEMBLY, MADHYA PRADESH

SHRI VIVEK NARAYAN SHEJWALKAR
HON'BLE MEMBER OF PARLIAMENT

ON
SUNDAY, 10th MARCH, 2024

Er. RAMESH AGRAWAL   SHRI PRASHANT MEHTA, IAS   DR. R.K. PANDIT
SECRETARY, SECS   CHAIRMAN, IT & IR COMMITTEE   DIRECTOR

The full report is available at
https://docs.google.com/document/d/1yUIEnsRUKMo5_752sTt25pdDFZvlxoec/edit?usp=drive_link&ouid=104620522594504000136&rtpof=true&sd=true

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Item. 4: To report about the performance of students in GATE-2024

— GATE Result 2024: IISc Bangalore declared the GATE 2024 result on 16th March 2024 on the official website, gate2024.iisc.ac.in.

— The performance of MITS students is summarized as below:

Total No. of students appeared	184
Total No. of students Qualified	118 (64.13%)
Top Rankers (AIR)	
Name of Department/Centre	**AIR Rank**
Chemical Engineering	52
Electronics and Telecommunication	75
Computer Science Engineering	82
Computer Science Engineering	161
Chemical Engineering	291
Computer Science Engineering	306
Electrical Engineering	378
Chemical Engineering	383
Electronics Engineering	410
Artificial Intelligence and Machine Learning	421
Artificial Intelligence and Robotics	494

The department wise summary as follows:

Name of Department/Centre	No. of students Qualified
Artificial Intelligence and Data Science	4
Artificial Intelligence and Machine Learning	10
Artificial Intelligence and Robotics	6
Chemical Engineering	5
Civil Engineering	11
Computer Science and Design	2
Computer Science Engineering	24
Electrical Engineering	11
Electronics and Telecommunication	6
Electronics Engineering	13
Information Technology	9
Internet of Things	7
Internet of Things (IoT)	7
Mathematics and Computing	3
Mechanical Engineering	7
Grand Total	**118**

Comparative Performance of GATE-2023 and GATE-2024

Parameters	GATE-2023	GATE-2024
No. of students appeared	102	184
No. of Students Qualified	52	118
Qualified Percentage	50.98%	64.13%
Top 100 (All India Rank)	Nil	03 Students
Top 500 (All India Rank)	03 Students	11 Students
Top 1000 (All India Rank)	07 Students	13 Students
Top Rank (AIR)	298	52

The full report with student details is available at

https://docs.google.com/document/d/1VYWI_KpEMensI1pMDDCLJmKJC-HQwKgF/edit?usp=drive_link&ouid=104620522594504000136&rtpof=true&sd=true

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Item. 5: Report on First Mid-Semester Question Paper Analysis of II & III year (Jan-May 2024 Session)

— In the student centric T-L environment, evaluation is the key for maintaining standards.

— For maintaining the quality of continuous evaluation an internal review of first midsemester question papers of II and III year was conducted by the Academic Coordinator and Dean Academics in the first week of March.

General Observations & Comments

1. COs and Bloom's Levels must be mentioned for each question paper.
2. The questions in both sets should map with the same COs. For example, if question 1 maps with CO2 in set A, in set B also the same pattern should follow.
3. Exactly the same question not to be asked in set A and set B.
4. Similar questions must be asked in set A and set B so that the difficulty level of evaluation remains the same.
5. Vague and generic questions not to be asked in mid-semester exam as these can be covered during interaction in class. Instead, questions with specific answers to be asked. (Ex: What do you understand by………)
6. Direct questions do not stimulate the mind. Such questions should be avoided.
7. The question paper must reflect the efforts made by the faculty towards the evaluation task.
8. There should be a mix of analytical and application-based questions.
9. Descriptive questions should be avoided or minimized as in present times the emphasis will not be on remembering things but on how to use the information available.
10. Proper coverage of COs to be done for completeness

— **Course specific observations were made and communicated to the departments for necessary action at their end. The full report is available at**

https://docs.google.com/document/d/1j0XGuAQSCWVH5vnlhstd07KO1MrmCIfy/edit?usp=drive_link&ouid=10462052259450400136&rtpof=true&sd=true

Item. 6: Identification of Slow Medium & Fast learners: First year (21st October to 20th November 2023)

The steps followed to address the needs of slow/fast learners and document their progression:

1. Identification of slow/fast learners (Annexure-1)
2. Meeting with identified students to note down the needs (issues/strengths) of slow/fast learners (Annexure-2 & 3)
3. Peer to Peer Learning for fast learners (Annexure-4)
4. Remedial classes for slow learners (Annexure-5a)
5. Additional quiz and assignment for slow learners (Annexure-5b)
6. Competition level (HOTS based) Quizzes and Assignments for fast Learners (Annexure-6)
7. Progression of slow/fast learners at the end of the semester (Annexure-7)

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Identification of Students as Slow/Medium/Fast learners.

Name of the Department	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Civil Engineering	327	49	14.98	224	71.55	54	16.51
Mechanical Engineering	588	162	27.55	336	57.14	90	15.30
Electrical Engineering	936	244	26.06	473	50.54	219	23.39
Electronics Engineering	380	26	6.84	329	86.57	25	6.57
	400	22	5.5	355	88.75	23	0.05
Electronics & Telecommunication Engineering	390	21	5.38	348	89.23	21	5.38
Computer Science and Engineering	954	173	18.13	558	58.49	223	23.37
Computer Science and Design	390	97	24.87	228	58.46	65	0.16
Information Technology	468	79	16.88	317	67.73	72	15.38
Chemical Engineering	78	26	33.33	15	19.23	37	47.43
Centre for Internet of Things							
EE-IoT	450	73	16.22	256	56.88	121	26.88
IT- IoT	468	65	13.88	313	66.88	90	19.23
Centre for Artificial Intelligence							
Artificial Intelligence and Robotics	468	146	31.19	233	49.78	89	19.01
Artificial Intelligence (AI) and Data Science	462	96	20.77	256	55.41	110	23.80
Artificial Intelligence and Machine Learning	468	165	32.25	227	48.50	76	16.23
Engineering Mathematics & Computing	390	67	17.17	219	56.15	104	26.66
Architecture	120	17	14.16	72	60	31	25.83
Master of Computer Application	395	90	22.78	198	50.12	107	27.08
Department of Management	408	62	15.19	272	66.66	74	18.13
Applied Science	782	243	31.07	338	43,22	201	25.70
Total	9707	1987	20.46	5781	59.55	1939	19.97

Full details of report are available at:

https://drive.google.com/drive/folders/1NrmG-mjNeM793bcD_2qEYhWqW1gRyEM?usp=drive_link

Item 7: Identification of Slow Medium & Fast learners: Second & Third Year students (1st January 2024 to 7th March 2024)

The details are available at

https://drive.google.com/drive/folders/1XlSt3w5wiy7MSai97KpvryfwTAUWpKN3?usp=drive_link

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Item 8: To report about the selection process to maintain the FSR as per UGC/NAAC/NBA/AICTE guidelines

—In continuation to Item no 19 of the previous IQAC meeting the action taken for faculty recruitment is as follows:

Discipline wise summary regarding faculty interviewed during selections

Discipline/Area/Field	Assistant Professor	Associate Professor	Total
Artificial Intelligence & Data Science (AIDS)	18	03	21
Information Technology (Artificial Intelligence & Robotics)	07	-	07
Information Technology (Internet of Things (IoT))	11	-	11
Information Technology (IT)	-	02	02
Artificial Intelligence & Machine Learning (AIML)	26	03	29
Architecture Programme	14	-	14
Management Programme	-	04	04
Electrical Engineering (Internet of Things (IoT))	10	-	10
Electrical Engineering	-	02	02
Computer Science & Engineering	23	-	23
Computer Science & Design (CSD)	02	-	02
Electronics Engineering	48	03	51
Electronics & Telecommunication Engineering	26	-	26
Mathematics	15	-	15
Physics	12	-	12
Humanities	07	-	07
Total	**219**	**17**	**236**
Training & Placement Officer	**15**		**15**
G. Total			**251**

The date, category-wise details are available at
https://docs.google.com/document/d/1svOiYsV8A3VK02ygL6nwf2nSdq9fFmfv/edit?usp=drive_link&ouid=104620522594504000136&rtpof=true&sd=true

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Item. 9: To report on the Minor Project –VI Semester 2024

— Students are being assigned Minor Project individually now and not in batches of 3-4 students.
— Timelines are fixed for finalizing topic and selection of mentor.

Summary of Minor Projects – VI Semester (2024)

S.No.	Department	Total Student	Total Projects	Total Mentors
1	Civil Engineering	-	-	18
2	Mechanical Engineering	89	89	15
	Automobile Engineering	17	17	08
3	Electrical Engineering	136	136	16
4	Electronics Engineering	134	134	19
	Electronic &ET	71	71	19
5	Computer Science and Engineering	130	130	20
	Computer Science and Design	62	62	20
6	Information Technology	37	37	14
7	Chemical Engineering	20	20	04
8	Centre for Internet of Things (EE-IoT)	61	61	07
	(IT-IoT)	68	68	04
9	Centre for Artificial Intelligence			
	Artificial Intelligence and Robotics	39	39	15
	Artificial Intelligence and Data Science	40	40	15
	Artificial Intelligence and Machine Learning	37	37	15
10	Architecture & Planning	38	38	09
11	Department of Management	29	29	08

Full details available at:

https://drive.google.com/drive/folders/10o1SIEQnBLOyEZYtQcTnfo583Xw6no5Z?usp=drive_link

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Item. 10: To present the audit report of Project Based Learning (Internship Research Project/Minor Project/SEP/Research Internship/Programme)

— In continuation to item 17 of the previous IQAC meeting in December 2023, the salient observations of the audit are recorded as

Date	Department	Points (20)
17th January 2024	Centre for Internet of Things (Both programmes)*	19.0
16th January 2024	Mechanical	18
17th January 2024	CSE & CSD	16.5
16th January 2024	Electrical	15.5
16th January 2024	Electronics & ET	13.5
17th January 2024	Centre for Artificial Intelligence (AIR/AIDS/AIML)*	13.0
18th January 2024	Chemical Engineering	12.0
18th January 2024	Information Technology	11.0
19th January 2024	Engineering Mathematics and Computing*	9.0
19th January 2024	Civil Engineering	8.0

No final year batch has graduated yet.

For Report Preparation

- *Prepare a checklist (based on enclosed guidelines) and circulate to students for compliance before accepting their internship/project reports. Plagiarism check certificate signed by Turnitin administrator, mentor and HoD must be attached at the end of each report.*
- *Titles of minor projects should clearly reflect the work done in the project. Project title cannot be generic.*
- *In internship reports, the company profile can be presented in brief.*
- *The report must be available to all those who have the link. (links should open)*
- *Specific outcomes of the project/internship to be mentioned in the report.*
- *Uniform style should be followed by all students. Clear instructions regarding this need to be issued to students.*

For Evaluation

- *The evaluation should not be conducted in a closed-door manner; it should be open for all. A display/exhibition of all projects must be arranged inside lab(s) or a suitable space(s) to facilitate better learning, interaction and exposure for students.*
- *Departments to conduct two mid-term reviews of projects. The evaluation should give weightage to the performance in these two reviews.*
- *For the evaluation of (i) Internship/Research Project under faculty (VIII Sem), (ii) Minor Projects I & II (V & VI Sem), and (iii) Research internship program under faculty (SEP-VI Semester) examiners (about 2-4) from other departments should also be engaged.*
- *The evaluation needs to be based on rubrics.*
- *It is mandatory for VIII semester students opting for project to publish/present a paper.*
— **Detailed guidelines are prepared and circulated along with a sample report format.**

The schedule, guidelines and report of the internal project review is available at
https://drive.google.com/drive/u/2/folders/1jyaSqUklxqPQEa5vER_0ifndd4F8H_9f

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Item. 11: Report of the I Year II Semester orientation programme for students

— As the first year session is running late since COVID, the classes for the II semester started from 25th January 2024, immediately after the end-term examinations were over.

— **Looking at the particularly low attendance in the orientation session in some departments, an attendance target of 80% is fixed for next semester onwards.**

Summary of I Year Orientation Programme

S. No.	Department	Date	Student enrolled	Student Present
1.	Civil Engineering	09/02/2024	108	40
2.	Mechanical Engineering	25/01/2024	96	36
3.	Electrical Engineering	25/01/2024	156	65
4.	Electronics Engineering	25/01/2024	156	64
	Electronics and ET		78	40
5.	Computer Science and Engineering	25/01/2024	158	17
	Computer Science and Design		70	08
6.	Information Technology	29/01/2024	78	14
7.	Chemical Engineering	31/01/2024	13	05
8.	Centre for Internet of Things			
	EE-IoT	02/02/2024	75	22
	IT- IoT	02/02/2024	78	28
9.	Centre for Artificial Intelligence			
	Artificial Intelligence and Robotics	29/01/2024	78	29
	Artificial Intelligence and Data Science		77	
	Artificial Intelligence and Machine Learning		77	
10.	Engineering Mathematics & Computing	01/02/2024	78	54
11.	Architecture & Planning	06/02/2024	21	10
12.	Master of Computer Application/ M.Tech	25/01/2024	77+06	35+01
13.	Department of Management	05/02/2024	46	18
	Total		1526	486

Full report is available at:

https://drive.google.com/drive/folders/1Eu7Y21_oszDzsPWU_ofQET3bubb8TZEl?usp=drive_link

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Item 12: To present the Internship Project summary for VIII semester students

Internship/Project Report – 2024

Departments	Total Students	Student opting Internships	Students opting Project	internships with stipend	Stipend Range (Montly)
Civil Engineering	137	133	04	-	
Automobile Engineering	30	28	02	-	
Mechanical Engineering	125	123	02	-	
Electrical Engineering	139	136	03	45	1,000/- to 34,000/-
Electronics Engineering	131	125	06	50	3,000/- to 30,000/-
Electronics & Telecommunication Engineering	70	70	00	23	3,000/- to 20,000/-
Computer Science and Engineering	132	86	46	50	5,000/- to 1,10,000/
Information Technology	65	61	04	34	3,000/- to 58,332/-
Chemical Engineering	41	27	14	1	12,000/-
Centre for Internet of things (EE)	66	35	31	10	5,000/ to 24,000/-
Centre for Internet of things (IoT)	70	58	12	20	4,000/to 40,000/-
Centre for Artificial Intelligence (AIR)	73	43	30	11	5.000/- to 25,000/-
Engineering Mathematics & Computing	64	64	00	26	3,000/- to 60,000/
Department of Management	45	15	30	05	
TOTAL	**1188**	**1004 (84.51%)**	**184 (15.48%)**	**275(23.14%)**	

Number of industries where students are interning

Department	Industries	Department	Industries
Civil Engineering	37	Computer Science and Engineering	47
Automobile Engineering	77	Information Technology	31
Mechanical Engineering		Chemical Engineering	13
Electrical Engineering	55	Centre for Internet of things (EE)	19
Electronics Engineering	71	Centre for Internet of things (IoT)	39
Electronics & Telecommunication	53	Centre for Artificial Intelligence (AIR)	35
Engineering Mathematics & Computing	39	Department of Management	--

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COMPARISON OF INTERNSHIP/PROJECT 2023 &2024 GRADUATING BATCHES

Departments	Total Students	Students doing Internship	Students opting Project	Students With stipend	% students with stipend	Minimum Stipend in Rs.(Per Month)	Highest Stipend in Rs. (Per Month)
Civil - 2023	139	127	12	11	8.66	2,000	20,000
Civil - 2024	137	133	04	-	-	-	-
Mechanical- 2023	149	139	10	21	15.11	5,000	50,000
Mechanical- 2024	125	123	02	-	-	-	-
Automobile-2023	64	62	2	18	29.03	5,000	45,000
Automobile-2024	30	28	02	-	-	-	-
Electrical 2023	152	142	10	44	30	5,000	75,000
Electrical Engineering-2024	139	136	03	45	33	1,000	34,000
Electronics Engineering- 2023	134	129	5	32	24.81	3,000	60,000
Electronics Engineering-2024	131	125	06	50	40	3,000	30,000
Electronics & Telecommunication Engineering-2023	67	63	4	23	36.51	5,000	45,000
Electronics & Telecommunication Engineering-2024	70	70	00	23	33	3,000	20,000
Computer Science & Engineering- 2023	151	139	12	59	42.45	3,000	98,000
Computer Science & Engineering-2024	132	86	46	50	58	5,000/	1,10,000
Information Technology- 2023	77	63	14	22	34.92	4,000	1,25,000
Information Technology- 2024	65	61	04	34	56	3,000	58,332
Chemical 2023	64	61	3	7	11.48	5,000	20,000
Chemical 2024	41	27	14	01	4	12,000	12,000
Internet of things (EE)- 2024	66	35	31	10	29	5,000	24,000
Internet of things (IoT)-2024	70	58	12	20	34	4,000	40,000
Artificial Intelligence & Robotics (AIR)-2024	73	43	30	11	26	5,000	25,000
Mathematics & Computing -2024	64	64	00	26	41	3,000	60,000
Management	45	15	30	05	33	-	-
Total 2023	997	925(93%)	72 (7%)	237 (26%)	…..	…….	……..
Total 2024	1188	1004 (85%)	184 (15%)	275(27%)	…..	…..	…..

The department wise full details are available at:
https://drive.google.com/drive/folders/1E2DIc9D3UM5InKnwNzFd0LckTffo11hi?usp=drive_link

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Item. 13: To report about the faculty Peer Training initiative for enhancing competencies in thrust areas

— The institute continued this initiative in this session also for the following two thrust area courses.

— Training was provided to core branch faculty by the newly constituted Centre of AI and Centre of IoT.

Organizing team/Department	Peer Training	From	To	Number of participants
Dr. Vibha Tiwari Dr. Sunil Kumar Shukla **(Centre for Artificial Intelligence)**	"Artificial Intelligence and Machine Learning Basics"	08.01.2024	12.01.2024	21
Dr. Gaurav Khare Dr. Nikhil Paliwal Dr. Saurabh Rajput Dr. Vikram **(Jointly organized by the Centre for Internet of Things & Electrical Engineering Department)**	"Python Programming"	15.01.2024	19.01.2024	16

The details are available at:

https://docs.google.com/document/d/1hgEHeICSKdMMLqF7JDuhZtVLmJwDD_9n/edit

Item 14: To report on continuous evaluation mechanism of Final Year Internships through Monthly Progress Report (MPR)

— The institute follows an internship calendar which is circulated well in advance.

— The evaluation scheme is clearly presented and excel sheets are used to maintain the continuous evaluation records.

— For regular monitoring purposes, these files are shared with the office of the Dean Academics.

— When required, mail reminders are sent to departments for sharing Internship Project Evaluation Data Sheet.

The internship calendar and department data sheets are available at:

https://drive.google.com/drive/folders/12-Gw-h4GmZeQSvCJrLoI5QkSvLfY5BA?usp=drive_link

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Item. 15: To report on orientation programmes for the II, III & IV Semester students

Summary of IV, VI & VII Semester Orientation Programme

S. No.	Name of Department	Date of Meeting	Semester	Students present
1.	Civil Engineering	12/01/2024	IV	31
		11/01/2024	VI	29
		01/01/2024	VII	56
2.	Mechanical/ Automobile Engineering	01/01/2024	IV, VI, VII	55
3.	Electrical Engineering	01/01/2024	IV	30
		01/01/2024	VI	39
		01/01/2024	VII	37
4	Electronics & Electronics Telecommunication Engineering	11/01/2024	IV	80
		01/01/2024	VI	22
		01/01/2024	VII	80
5	Computer Science and Engineering	01/01/2024	IV	52
		08/01/2024	VI	20
		01/01/2024	VII	35
	Computer Science Design	08/01/2024	IV	21
		01/01/2024	VI	06
6	Information Technology	01/01/2024	IV	17
		04/01/2024	VI	13
		10/01/2024	VII	29
7	Chemical Engineering	01/01/2024	IV & VI	07
		08/01/2024	VII	20
8	Centre for Internet of Things (EE)	10/01/2024	IV	29
		11/01/2024	VI	13
	(IoT)	09/01/2024	IV	19
		10/01/2024	VI	12
		01/01/2024	VII	15
9	Centre for Artificial Intelligence(AIR/AIDS/AIML)	10/01/2024	IV & VI	54
		01/01/2024	VII	23
10	Engineering Mathematics & Computing	01/01/2024	IV	12
			VI	04
			VII	24
11	Architecture & Planning	02/01/2024	IV	10
		02/01/2024	VI	16
		02/01/2024	VII	24
12.	Master of Computer Application (MCA)	01/01/2024	III	51
13.	Department of Management	01/01/2024	IV	18

The full reports from the departments are available at:
https://drive.google.com/drive/folders/1ts6F5EBD-F6YEK8DYp3PP6Tuu-cWppS?usp=drive_link

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Item 16: To apprise and update about credit transfer from MOOCs during 2023

— Total credits transferred since May-June 2020 to November-December 2022 are 30701

— Adding the year 2023 credits, the total credits transferred till December 2023 are **42,647**.

Session	Semester	No. of disciplines/branches	Total Credits transferred to student transcripts
June-2023	VI & VIII	14	7765
Dec-2023	VII	15	4181

Credit Transferred Through MOOC During Dec. 2023 Session		
Sr. No.	**Branch**	**VII Sem**
1	CE	276
2	**ME**	**582**
3	AU	12
4	EE	342
5	EC	540
6	ET	138
7	CSE	519
8	IT	372
9	CM	102
10	IT AIR	246
11	IT IOT	360
12	MAC	210
13	EE IOT	282
14	MCA	186
15	M.E. M.Tech	14
	Total	**4181**

The details are available at:

https://drive.google.com/drive/folders/1nB2LQrZCISI9HUVTWROrYVF_9Bixap5l?usp=drive_link

Item 17: Status of Ph.D. research work and six-monthly monitoring by research advisory committee

— It is a regular practice to conduct a six-monthly review of the Ph.D. candidates by their RAC

— The objective is to monitor the progress of the work, publication status and compliance of other mandates.

— With reference to Notice No. DA/MP/2024/127 dated 14.02.2024 the details and formats were circulated.

— The attendance summary of the candidates on 7th March 2024 is given below:

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Ph.D. Review Summary

S.No.	Department	Ph.D. Scholars		
		Registered	Present	Absent
1.	Civil Engineering	08	05	03
2.	Mechanical Engineering	12	07	05
3.	Electrical Engineering	05	04	01
4.	Electronics Engineering	11	07	04
5.	CSE/IT	16	16	00
6.	Chemical Engineering	01	01	00
6.	Engineering Mathematics & Computing	03	03	00
7.	Architecture	14	13	01
		70	56	14

Ph.D. Thesis Submitted

(October 2023 to March 2024)
(Awarded; 06) (Draft;16; Final Thesis: 11; Total=27)

S.No.	Department	Candidate	Supervisor	Title of thesis	Status (Awarded / Final Thesis submitted/ Draft thesis)
1	Civil Engineering	Shyamveer Singh Chauhan	Dr. M.K. Trivedi	"Fuzzy Neural Network (FNN) approach for Determination of Surface water quality index in Gwalior-Chambal Region"	Final Thesis Submitted 23.10.2023
2		Rakesh Gupta		"Development of time-cost Model Using Elephant Herding optimization Algorithm for Civil Construction Projects"	Final Thesis Submitted 23.11.2023
3		Kamal Sharma		Development of Robust Scheduling Model for Civil Construction Projects Using Meta-Heuristics Approaches	Final Thesis Submitted 27.12.2023
4	Mechanical Engineering	Shubham Srivastava	Dr.C.S. Malvi Dr. Nandan Kumar, MD, High perfromance Textile Pvt. Ltd. Panipat	"Performance Evaluation of Multi-Layered Composite Against Mechanical and Thermal Exposure"	Draft Thesis Submitted 28.07.2023

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No.	Department	Name	Supervisor	Title	Status
5		Deepak	Dr.C.S. Malvi Dr. Manish Kumar Sagar	Study of Photovoltaic System , Design, Installation And Maintenance Practices	Draft Thesis Submitted 30.07.2023
6		Arvind Singh Tomar	Dr. Pratesh Jayaswal	Investigation of Fault Diagnosis in Rolling Element Bearing Using Vibration Signature Analysis	Draft Thesis Submitted 14.08.2023
7	Electrical Engineering	Alka Thakur	Dr. S. Wadhwani Dr. A.K. Wadhwani	Fault Detection and Analysis of Rotating Electrical Machine using Soft Computing Techniques.	Final Thesis Submitted 05.03.2024
8		Manoj Kumar Bandil	Dr. A.K. Wadhwani	Multi-Resolution Epileptic Classification of Electroencephalogram Using Hybrid Soft Computing Techniques.	Notification No. RGPV/ Ph.D/27/307 dated 01.03.2023
9		Anjali Agrawal	Dr. Seema N. Pandey Dr. Laxmi Srivastava	Development of Financial Mechanisms for Managing Congestion in Copetitive Power Markets.	Final Thesis Submitted 08.05.2023
10		Rinisha Bagaria NDF	Dr. Sulochana Wadhwani Dr. A.K. Wadhwani	"Development of Diagnostic System for Bone Fractures using Image Processing Techniques"	Final Thesis Submitted 21.02.2023
11		Manoj Kumar Ojha	Dr. Sulochana Wadhwani Dr. A.K. Wadhwani Dr. Anupam Shukla, Professor, DoEC, ABV-IIITM, Gwalior	ECG Signals Processing for Early Prediction of Abnormality of heart Function using HRV analysis.	Viva-voce on 06.03.2024
12		Hemant Amhia QIP	Dr. A.K. Wadhwani	Design & Development of ECG Signal based Disease Diagnostic System	Notification No. RGPV/PhD/429/1878 dated 28.12.2023
13		Abhishek Saxena	Dr. Seema Pandey Dr. Laxmi Srivastava Dr. Shishir Dixit	Assessment and analysis of wheeling prices in Restructured Power System Using AI Techniques	Final Thesis Submitted 11.09.2023
14		Sarika Varshney	Dr. Laxmi Srivastava Dr. Manjaree Pandit	Integrated Security Assessment of Power System Using Distributed Computing and its Enhancement	Final Thesis Submitted 12.09.2023

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15		Sunita Shukla	Dr. Manjaree Pandit	Investigation of Dynamic Economic Dispatch Problem with Renewal Energy sources	Final Thesis Submitted 20.04.2023
16		Vinay Kumar Tatikayala	Dr. S. Dixit	Power System Operation and Control in An Integrated Environment with Renewable Energy Sources	Draft Thesis Submitted 17.07.2023
17		Rajni Maurya	Dr. Sulochna Wadhwani	Disease Detection and Classification from Radiological Images Using Soft Computing Techniques	Draft Thesis Submitted 26.07.2023
18		Poonam Singh	Dr. Manjaree Pandit Dr. Laxmi Srivastava	Solution of Energy Management Challenges for Hybrid Renewable Energy Systems Employing Intelligent Computational Techniques	Draft Thesis Submitted 09.09.2023
19		Vishal Chaudhary	Dr. Manjaree Pandit Dr. H.M. Dubey	Operational issues due to integration of Renewable Energy Resources into the Power System: Investigation & Solution (letter No. 6129/4.9.2017)	Final Thesis Submitted 20.02.2024
20	Electronics Engineering	Shailendra Singh Ojha	Dr. Vandana Vikas Thakare Dr. P.K. Singhal	Design and Analysis of Rectenna for Wireless Energy Harvesting	Final Thesis Submitted 05.02.2024
21		Anshul Agarwal	Dr. Vandana Vikas Thakare Dr. P.K. Singhal	Design of Broadband Dual Polarisation Dipole Antena for Base Station Application	Draft Thesis Submitted 11.09.2023
22		Bhupendra Dhakad	Dr. Laxmi Shrivastava	Congestion Control Using lane Changing Mechanism Based on Machine Learning for Vechcular AD-HOC Network (VANET)	Draft Thesis Submitted 07.12.2023
23	Computer Science and Engineering/ IT	Arvind Kumar Sharma	Prof. R.K. Gupta	"Development of New Algorithms for Trend Detection and Prediction in Spatial Databases"	Awarded Notification No. RGPV/ PhD/113/1574 dated 09.11.2023
24		Ruchi Jayaswal	Dr. Manish Dixit	Design and Development of an efficient and Intelligent Framework for Human computer Interaction in Pandemic Scenario Using Deep Learning Models"	Final Thesis submitted 10.01.2023
25		Devanshu Tiwari	Dr. Manish Dixit	Development of Breast Cancer Detection Framework using Machine Learning Technique	Awarded Notification No. RGPV/PhD/289/ 1534 dated 30.10.2023
26		Shradha Dubey	Dr. Manish Dixit	Design And Analysis of Deep Convolutional Spontaneous Framework For Diagnosis Of Eye Disease Using Retinal Image Patterns	Draft Thesis Submitted 26.07.2023

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27		Priyanka Gupta	Dr. Manish Dixit	A Deep Neural Framework For Surficial Crack Detection In Engineering Structures Using Image Patterns	Draft Thesis Submitted 26.07.2023
28		Anand Jawdekar	Dr. Manish Dixit	"Design and Development of an efficient and Intelligent Framework for Image Enhancement Using Intelligent Techniques"	Draft Thesis Submitted 06.09.2023
29		Sanjay Patsariya	Dr. Manish Dixit	"Design and Analysis of Secured and Robust Watermarking Techniques to Improve Fidelity Parameters"	Draft Thesis Submitted 06.09.2023
30		Amita Sharma	Dr. R.S. Jadon (08.09.2020)	"Fuzzy Object-Based characterization of Indian Visual Art Architecture using Machine Learning"	Draft Thesis Submitted 12.12.2023
31	Computer Application	Mahendra Pratap Singh Dohre	Dr. R.S. Jadon	An Innovative Approach for User Profile based Online Searching on Web Content.	Awarded No. RGPV/Ph.D/170/1682 dated 29.11.2023
32	Architecture	Rishika Shah	Dr.R.K. Pandit Dr. Manoj Kumar Gaur	"Integrated Urban Physics and Thermal Comfort for Sustainable Sstreet Canyon"	Awarded No. RGPV/Ph.D/474/1484 dated 18.10.2023
33		Vishal Yardi	Dr. R.K. Pandit	Modelling energy efficient buildings- A case of Indore City.	Draft Thesis Submitted 11.09.2023

Item 18: Report on meetings and sessions with First Year students for counselling, support and grievance redressed, if any

During the meetings common students' grievance found were:

- *Grievances related to marks scored in mid-term examinations are addressed as follows:*

  o *The students discuss the issue with the subject faculty during office hours, seeking clarification on the marking criteria.*
  o *The course faculty explains by showing the evaluated answer book.*
  o *If there is still some discontent, the student informs one of the class coordinators either informally or in writing.*
  o *The class coordinator discusses with the concerned subject faculty to resolve the issue and informs the student accordingly.*

- *To request for conducting additional midsemester exam/assignment/quiz*

  o *Some students perform well in their regular classes until a family emergency occurred, causing them to miss classes, assignments, quiz or midsemester examinations which may significantly impact the grades, and overall performance in the course*
  o *In this case, the student asked to submit the related documents along with application to the class coordinator.*
  o *In this case, the subject faculty is requested by the class coordinator for Make-up assignments, quizzes, extension of deadlines, remedial classes and mercy midsemester examination (Whichever is applicable).*

- *To enquire about scholarship/fellowship/fee related issues*

  o *All the notices/circular are timely shared with the students by the Class coordinators*

- *To enquire about scheme & other academic issues*

  o *All the issues are resolved by the subject faculty with Class coordinators.*

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The common grievances and actions taken for first-year students are:

Common Grievance	Suggested Action
1. Issue and awareness with IMS and MOODLE portal	Offer orientation sessions to introduce academic expectations and support services available.
2. Awareness and preparation of documents for filling various scholarship forms	Conduct meeting with seniors for taking help in filling the form
3. Difficulty adjusting to the new academic environment and workload.	Offer orientation sessions to introduce academic expectations and support services via conducting regular meetings
4. Confusion about course requirements, curriculum, and expectations.	Regular meeting with class coordinators
5. Issues with understanding course materials or keeping up with lectures.	Provide additional tutoring or study groups and conduction of remedial classes
6. Concerns about inadequate support or guidance from faculty or mentors.	Encourage faculty to be accessible and approachable.
7. Frustration with administrative processes, such as registration or financial aid.	Simplify administrative procedures and provide clear instructions.
8. Uncertainty about future career prospects or academic paths.	Conduct Career Guidance workshops and prepare road maps

Summary of Counselling Sessions of First Year Students
(As communicated by class coordinators/HoDs after meeting with students)

Date	Branch	Time	Students
31.01.2024	Civil Engineering	12:00 am	50
06/10/ 2023	Mechanical Engineering	11:00 – 12:00 am	80
23/01/2024	Electrical Engineering	4:00- 5:00 pm	63
05.02.2024	Electronics Engineering	1:00-2:00pm	46
31/01/2024	Computer Science and Engineering	1:00 pm	28
31/01/2024	Computer Science and Design	1:00 pm	58
31/01/2024	Master of Computer Application	12:30 pm	52
30/01/2024	Information Technology	4:00 pm	06
31/01/2024	Chemical Engineering	4:00 pm	13
25/09/2023	Centre for Internet of Things	12:00 am	65
29/09/2023		12:00 am	53
13/10/2023		12:00 am	08
22/11/2023		12:00 am	55
20/12/2023		12:00 am	52
30/01/2024	Centre for Artificial Intelligence (AIR/AIDS/AIML)	3:00-4:00 pm	76

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30/12/2024	Department of Management	11:00 am	28

Details of Students counselling, Grievance redressing & Support System 1st year Students are available at:
https://drive.google.com/drive/folders/1XRkzd3b43xHrcqCl7F11ldpNwvhftmRf?usp=drive_link

Item 19: Meeting with II& III year students for taking suggestions to improve their learning experience

— With reference to Notice No. DA/MP/2024/20 dated 1oth January 2024, the class coordinator arranged a meeting with the students specifically to know their expectations and take their suggestions.

— The students have given many suggestions such as:
  o *Higher emphasis on practical education and problem solving*
  o *More practical sessions than theory*
  o *Teaching with live examples/demonstrations etc.*
  o *Solve more numerical problems in class*
  o *In lab students should be permitted to experiment*
  o *New and advanced equipment, especially for the core branches*
  o *Modern technology in the classroom, interesting assignments and learning-based games*
  o *Hands-on experience in a professional setting (industry collaboration)*
  o *More field trips to engineering firms, manufacturing plants, or construction sites to give practical exposure*
  o *simulation experiments in theory classes also*
  o *Assign projects which connect theory to practical applications.*
  o *Group discussion in classes to promote critical thinking, communication skills and a deeper understanding of the subject*
  o *Add an element of excitement and engagement to the learning process*

  The details are available at:
https://docs.google.com/document/d/1Cdj2bRSKqSxjWajQtB_1aat_V6-_ubfX/edit

Item 20: To report about Virtual Lab workshop in association with IIT-Delhi

— Virtual Labs is a project initiated by the Ministry of Education, Government of India, under the National Mission on Education through Information and Communication Technology.

Number of Departments	Date	Number of faculty	Number of students	Total Number of Participants
07	02/02/2024	32	128	160

Details are available at:
https://drive.google.com/file/d/1jwNtc29wl3L8wQmCHEvu-ZZDyomlQi-j/view?usp=drive_link

Item 21: Report on partial course delivery in collaboration with industry person

—In this semester 16 courses in the following departments are being offered in collaboration with industry persons during Jan-December 2024.

Department	Number of Courses
Mechanical Engineering	02
Electrical Engineering	02
Electronics Engineering	02
Computer Science and Engineering	01

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Information Technology	02
Centre for Internet of Things	03
Centre for Artificial Intelligence	02
Architecture and Planning	02

Details are enclosed at:

https://drive.google.com/file/d/1hK21q-LFqqDAJFOrP59hRFcT9kwe0KqB/view?usp=drive_link

Item 22: To report about the on-line daily attendance monitoring system

— The faculty is regularly using this system to record the attendance of students as per the scheduled classes.

— The number of classes and percentage attendance in class has been added as additional criteria for appreciating the faculty performance based on the Faculty Feedback Index.

— From Jan-June 2023 semester, the attendance system also records and maintains attendance of students in mid-semester examinations.

Some issues have been identified in the attendance categories recorded by the system. These are about NPTEL mentoring sessions and Novel Engaging Classes. The issues are being resolved.

Item 23: To present the Administrative Efficiency Index (AEI) for July-December 2023 session

— The AEI is computed based on timely completion of 45 routine academic and administrative activities by the 14 departments, on a scale of 10 based on the submission of the activity report as per the following criterion:

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

—During July-Dec 2023 session, 7 out of 14 departments have scored above 9 showing a very significant improvement in the culture of following deadlines.

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ADMINISTRATIVE EFFICIENCY INDEX (AEI) (Session - July to December 2023)

ADMINISTRATIVE EFFICIENCY INDEX	Civil	Mech	Electri	EE IOT	Electro	CSE	IT	Chemi	Center	MAC	Human	Arch	Manag	Applie
Timely Reports Not Received	10	12	0	0	3	1	2	2	0	8	1	3	5	2
Below Average (Report recd. within 11-15 days)	1	1	0	0	1	0	1	0	0	2	0	0	0	0
Average (Report recd. within 8-10 days)	0	1	0	0	0	0	0	2	1	0	1	1	2	0
Good (Report recd. within 5-7 days)	1	1	2	0	0	2	0	0	1	2	1	1	1	1
Very Good (Report recd. within 2-4 days)	11	6	2	3	3	4	5	0	1	7	7	3	5	1
Excellent (Report recd. same day)	22	23	41	41	38	38	37	40	40	24	17	29	15	25
Timely Reports Received	35	32	45	44	42	44	43	42	43	35	26	34	23	27
ADMINISTRATIVE EFFICIENCY INDEX (AEI) (out of 10)	6.73	6.39	9.64	9.80	8.93	9.29	9.02	9.23	9.65	7.00	8.41	8.62	7.00	9.03
Not Applicable (NA)	0	0	0	1	0	0	0	1	2	2	18	8	17	16
Report Not Received (RNR) in %	22.22	27.27	0.00	0.00	6.67	2.22	4.44	4.55	0.00	18.60	3.70	8.11	17.86	6.90
Reports Received (RR) in %	77.78	72.73	100.00	100.00	93.33	97.78	95.56	95.45	100.00	81.40	96.30	91.89	82.14	93.10

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

— The AEI has immensely helped the institute in improving and maintaining quality practices over the last 4 years. The practice was started from Jan-June 2020.

— Number of parameters for **January to June 2020 were: 30**
— Number of parameters for **July to December 2020 were: 37**
— Number of parameters for **January to June 2021 were: 60**
— Number of parameters for **July to December 2021 were: 63**
— Number of parameters for **January to June 2022 were: 71**
— Number of parameters for **July to December 2022 were: 43**
— Number of parameters for **January to June 2023 were: 52**
— Number of parameters for **July to December 2023 were: 45**

The computation of AEI is available at
https://drive.google.com/file/d/1g6khwrh0wJP-IkxJnxg0wwQr6rGhR2SU/view?usp=drive_link

Item 24: To brief about the submission of AQAR for 2022-2023 to NAAC for compliance

— **The AQAR for year 2022-2023 was uploaded in a timely manner on 4th March 2024.**
— **The AQAR is available at**

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https://web.mitsgwalior.in/iqac-mn/aqar

Item: 25 To report about the publication of proceedings of the first International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR-2023) held on 20-21 May 2023 at MITS, Gwalior

— The proceedings of the conference in the form of an E-Book entitled "Smart Engineering Technology and Management" is published by Bharti Publication.

International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR-2023), May 20-21, 2023

Smart Engineering Technology and Management (Proceedings of ISCMCTR – 2023)

Click here to download

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The proceeding of the first student conference is available at
https://web.mitsgwalior.in/all-events/international-student-conference-on-multidisciplinary-and-current-technical-research-iscmctr-2023-may-20-21-2023

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Item 26: To report about the publication of the Springer proceedings of the 4th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2022) held on October 21-22, 2022

Manjaree Pandit, M. K. Gaur, Sandeep Kumar, "Artificial Intelligence and Sustainable Computing, Proceedings of 4th ICSISCET 2022", DOI: https://doi.org/10.1007/978-981-99-1431-9, (e-book) **eBook ISBN**978-981-99-1431-9 Published by Springer Singapore: 23 September 2023; : **Hardcover ISBN** 978-981-99-1430-2, **Softcover ISBN** 978-981-99-1433-3, Due: 08 October 2024, under the Book Series, Algorithms for Intelligent Systems, available at the following link:
https://link.springer.com/book/10.1007/978-981-99-1431-9

Item 27: To apprise about the meritocracy initiative of IQAC for year 2024

— The IQAC had initiated the practice of recognizing significant achievements of faculty, staff and students on 10th March, the MITS day.
— The institute has recognized the performance of its stakeholders in 2021, 2022 and 2023.
— This year on 10th March this event could not be conducted due to the VIP visit to campus for the inauguration of Madhav Rao Scindia Knowledge Centre and formal announcement of Deemed to be University status.
— However, the data is being prepared and the event will be conducted at a suitable date.

Item 28: To present the report about conduction of the M.P.Young Scientist Congress

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Total **225** participants in following disciplines were selected by M.P. Council of Science and Technology (MPCST) for presentation in 39th M.P. Young Scientist Congress to be organized at Madhav Institute of Technology and Science (MITS), Gwalior (MP) during February 21-23, 2024:

S/No.	Discipline	No. of Papers Recommended
01	Agricultural Sciences	12
02	Chemical Engineering	05
03	Chemical Sciences	19
04	Civil Engineering	13
05	Computer Science Engineering and Information Technology	09
06	Earth and Atmospheric Sciences	05

07	Electrical and Electronics Engineering	07
08	Environmental Sciences	10
09	Home Sciences	03
10	Life Sciences	11
11	Mathematical Sciences	09
12	Mechanical Engineering	13
13	Medical Sciences including AYUSH	10
14	New Biology (Biotechnology, Biochemistry, Biophysics, Bioinformatics and Molecular Biology)	16
15	Pharmaceutical Sciences	28
16	Physical Sciences	31
17	Plant Sciences	11
18	Veterinary Science and Animal Husbandry	13
	TOTAL	**225**

The selected participants were required to prepare a power point presentation limiting to 10 minutes oral presentation followed by discussion/interaction.

Awards were received by 31 scientists from the above 18 disciplines.

The report is available at

https://drive.google.com/file/d/1cDToanGloFzlzZySi0BePavrC11Z0En9/view?usp=drive_link

Item 29: To report about conduction of one-day workshop on Indian Knowledge System for students and faculty.

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Report on Indian Knowledge System workshop

दिनांक 26 फरवरी 2024 को राष्ट्रीय शिक्षा नीति केअंतर्गत "भारतीय ज्ञान परंपरा Indian Knowledge (IKS)" पर कार्यशाला का आयोजन किया गया। दो सत्रों इस इस कार्यशाला के मुख्य वक्ता प्रोफेसर सदानंद सप्रे रहे जो कि मौलाना आजाद राष्ट्रीयप्रौद्योगिकी सेवा निवृत प्रोफसर थे। प्रोफेसर सप्रे ने वॉलंटरी रिटायरमेंट लिया लेकर राष्ट्र व समाज की सेवाके लिए अभी प्रज्ञा प्रवाह के राष्ट्रीय संयोजक हैं तथा भारतीय ज्ञान परंपरा के प्रसार हेतु कार्य करते हैं। पहले सत्र में विभिन्न विभागों की फैकल्टी रही तथा दूसरे सत्र में प्रथम वर्ष के छात्र उपस्थित रहे।

डॉ सप्रे ने निम्नलिखित प्रमुख बातों का निर्देश दिया:
1. Keep Indian Ancient books in the Library in the reference section.
2) Institute walls should have Indian Scientists photo with quotations
3) Discuss deeply about Macaulay's approach and English policy
4) Frame the syllabus including IKS
5) Develop IKS cell; refer (i)Ahmedabad university IKS cell, and (ii) NIT Calicut Mechanical professor is heading to that Cell
6) Porch should have Indian Eminent personalities
7) List latest contribution by Indian scientists from 100 years

कार्यक्रम में मुख्य रूप से डॉ मंजरी, प्रभारी निदेशक और डॉ राजीव कंसल, अधिष्ठाता छात्र कल्याण उपस्थित रहे।

The full report is available at
https://drive.google.com/file/d/1w3PScuQZxTRg30A7rTRgemm9-MRHex50/view?usp=drive_link

Item 30: Appreciation letters issued to the first year Faculty members based on the Feedback mechanism for the July-December 2023 session

— Total number of courses offered in I year: 251

— Appreciation recommended by the IMS based feedback system: 27

— After ensuring sufficient number of classes are held: 23

— These 23 faculty members were issued appreciation letters and

— Four faculty members were issued warnings for correct data entry.

Details are available at
https://drive.google.com/file/d/1Y5vT3wbF8k15ZPMLxuxgsUSky3JQEwIv/view?usp=drive_link

Item 31: To report on Academic bank of credits as proposed in NEP 2020

— The institute has registered for Academic Bank of Credit (ABC) in view of NEP 2020, in May 2022 through registration on NAD portal.

— To begin with, the institute has prepared and uploaded digital marksheets of 2021 batch (I and II semester).

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— The institute data is live on NAD portal.

— Institute has been continuously motivating students for generating ABC id for effective implementation of ABC policy and therefore as an initiative.

— ABC id of each student has been made mandatory for registration on IMS portal from 2023 session. The details of data uploaded on NAD portal is as follows:

Total Awards/marksheet Lodged	Awards Fetched	ABC Accounts Created
2525	184	5134

Item 32: News coverage for the institute is available at:

https://drive.google.com/drive/folders/1tJfNDQyYXiPHLZAHHDe5jScSSwtY45J?usp=drive_link
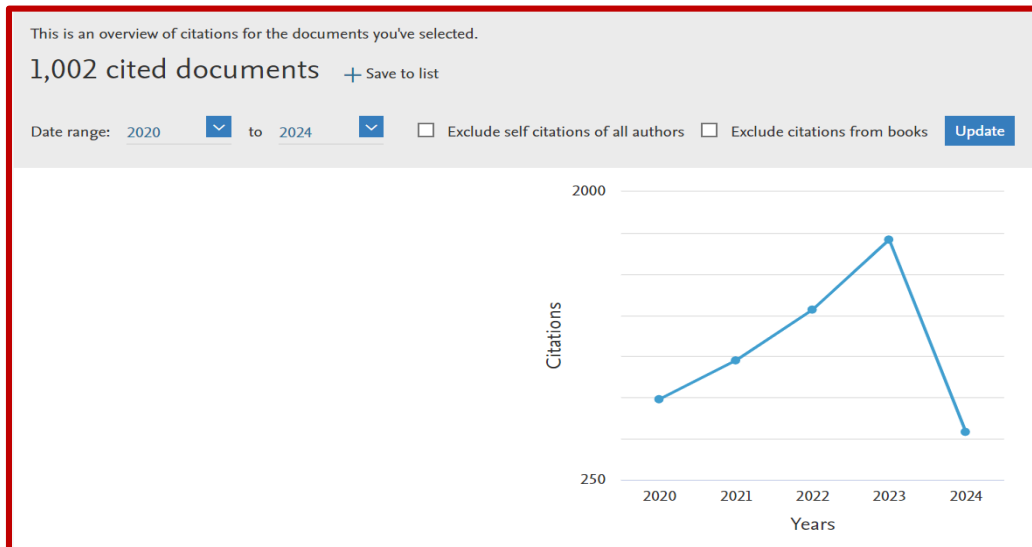
Item 33: To report about the initiative to conduct MCQ examination of Mandatory Audit Courses (MACs) on platform XamDru developed by institute students on trial basis

— The relative suitability of the Vshantec and the XamDru, (which is developed at the institute level by the students of the software development club), was reviewed.

— It was recommended that the II Mid-semester MAC examination, which is scheduled in the first week of April may be conducted using XamDru on trial basis.

— The time-table will be prepared by examination section with help from Mr. Atul Chauhan in such a manner that the stability of the tool is tested.

— *The faculty was provided training on this tool.*

— Based on the experience, viability of end-term exam conduction may be decided in future for the June 2024 end-term examination.

— *If this model works, the time spent in examination of MAC papers and possibly the Natural Sciences and Skills papers can be saved, as the examination can be conducted on mobile, in the classroom itself, with department level invigilation under the proctorship of examination section.*

Item 34: H-Index and five-year citation report of the institute on SCOPUS as on 29th March 2024

— Total number of documents with institute affiliation in Feb 2024: **970**

— Total number of documents with institute affiliation in March 2024: **1002**

— **Citations have been exponentially rising from 2020 to 2023**

H-index: 40

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Date range: 2020 ⌄ to 2024 ⌄   ☐ Exclude self citations of all authors   ☐ Exclude citations from books   [Update]

Item 35: To report about the placement status of 2024 passing out batch

— Total 42 companies visited the institute.
— In all 352 students have got placements through campus selections and internships were arranged for 252 students through the institute.

The details are available at

https://docs.google.com/document/d/1TO55Y0d06F8Vtk0h2Xr4ttQ9_j2LE50f/edit?usp=drive_link&ouid=10462052259450400136&rtpof=true&sd=true

Item 36: Other matters

Regarding GATE examination and achievers

— The GATE coordinator of the institute, in coordination with department-level GATE coordinators, will assess the preparation of the GATE-2024 toppers. This includes determining if they were self-motivated or if they had joined any coaching programs. This assessment will help in organizing motivational lectures for junior students.
— The honourable member Shri Prashant Mehta and the Director suggested awarding the top-ranking GATE-2004 students during the Meritocracy event.

Regarding the mentor-mentee system
— The Mentor-Mentee scheme will be revised and discussed in the next IQAC meeting.

Regarding faculty aspirations, expectations and up-skilling needs

— Dr. Nameesh Miglani suggested asking faculty about their needs for upgrading in specific areas.

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— The Director added that each faculty member must submit their contributions at the end of each academic year, including books published, research papers, MOOCs developed, etc., as well as an action plan for the next five and ten years.

Additional points discussed in the meeting:

— A team coordinating the exhibition during the MP Young Congress Scientist Award will need to submit a report on the exhibition to the Office of the Dean of Academics.
— Director Sir suggested taking qualitative feedback from NPTEL faculty mentors in the current academic session.
— It was suggested by the Director that the date for the meritocracy award function can be selected to coincide with the farewell of the final year batch passing out in 2024.
— Dr. Dharminder Kumar, external member, suggested introducing the position of Professor of Practice at the university level.
— Shri Mohit Gupta, Eicher Motors has agreed to provide full support to the institute in launching the MITS Industry Alumni Association from Indore. The aim is to enhance industry collaboration, explore new trends in technologies and adjust the curriculum accordingly.

Dr. Pratesh Jayaswal)
Coordinator IQAC

(Dr. R. K. Pandit)
DIRECTOR

Date: 30.03.2024