Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 22nd December 2023

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **22nd December 2023** 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.(Prof.) I.K. Bhat, Vice Chancellor, Manav Rachna University, Faridabad*

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. Shri D. Gorakhpuri, Finance cum Account Officer
2. Shri Atul Chauhan, Programmer

Nominees from Local Society and Alumni -
1. Er. Suresh Kalra, Managing Director, Agro Solvant Pvt. Ltd.

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

Student Representative-
1. Mr. Akash Gaur

Attended through online mode

External members Dr. Dharmendra Kumar, Alumni Dr. Nameesh Miglani, Alumni and representative of the local society Er. Rahul Shrivastav, employer from industry Mr. Anurag Gupta and student member Ms. Vanshika Patel could not attend the meeting.

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Item. 1: To confirm the minutes of the IQAC meeting held on 04th October, 2023.

- Introduction and welcome of new members of the IQAC constituted for a period of two-years

- Discussion on NAAC report of the 2nd Cycle of accreditation

- Review of the report on the admission status for year 2023-2024

- Review & impact analysis of Honors and Minor specialization awarded to students during the last three years

- Review of Action Taken Report (ATR) on feedback from students completing the Minor/Honors Degrees during the last two years

- The status of Ph.D. research work and six-monthly monitoring

- The monitoring of the regular conduction of orientation programmes for II-to-IV-year students at the beginning of the semester

- The Report on partial delivery of course in collaboration with industry person

- The review of placement status of 2023 graduating students

- The review of the updated Internship Project summary for 2023 batch

- The report about the conduction of the Faculty Induction Programme-IV for the newly appointed faculty

- The report of the In-house Faculty Peer Training initiative of the institute for Competency Enhancement in emerging areas

- The report on conduction of Academic Audit by external experts from 15th to 17th September 2023

- The report on the outcome of the International Conference 4th ICSISCET-2022 in the form of publication of proceedings by Springer, Under the AIS series (Collaborative Event)

- The report about the conduction of Induction Programme for the newly admitted first year students: new initiative taken for student profiling

- The report on efforts made for increasing institutional visibility and quality enhancement

- The In-house Workshop on "Question Paper Analysis"

- The report about the guidance/motivational session for all pre-final and final year students on "Insights of GATE-2024"

- The result analysis of final year graduating batch 2019-2023

- The start-up cell report for January to October 2023

- The report about the updated administrative efficiency index for January-June 2023

- The exit survey report of 2023 graduating batch was analyzed.

- The conduction of Shruti Mahotsav on 5th & 6th August 2023 in collaboration with SPIC MACAY and Ministry of Culture under the "Azadi ka Amrit Mahotsav" celebrations

The minutes are available at

https://drive.google.com/file/d/1cuuFgUta85OlPfARoFHIIKKGwc2TAAxb/view?usp=drive_link

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Item. 2: To report the performance of the NPTEL Local Chapter of Institute

The NPTEL Institute Local Chapter secured **5th rank** among 6000+ local chapters of country in July-December 2023.

TOP 100 SWAYAM-NPTEL LOCAL CHAPTERS (Jul - Dec 2023)
By default, Top 100 Local Chapters will be considered as ACTIVE Local Chapters

LC Id	College Name	City	State	Present	Successfully completed	Elite	Silver	Gold	Topper	Rating
975	VIT University	Vellore	Tamil Nadu	11173	650	2096	2595	5545	3574	AAA
4103	Netaji Subhas University of Technology		Delhi	11212	1461	3417	3809	2009	2012	AAA
3391	Chandigarh University	Mohali	Punjab	11429	2562	3091	2211	1088	1329	AAA
3176	SRM University A.P - Amaravati	Guntur	Andhra Pradesh	6200	1187	1951	1020	1226	746	AAA
1968	Malineni Lakshmaiah Women's Engineering College	Guntur	Andhra Pradesh	10550	3088	2400	957	1179	216	AAA
202	VIT University	Chennai	Tamil Nadu	4322	672	1650	1348	316	671	AAA
2355	GLA University	Mathura	Uttar Pradesh	13123	4536	3635	608	10	354	AAA
189	Madanapalle Institute of Technology & Science	Madanapalle	Andhra Pradesh	6338	1591	2592	989	87	279	AAA
4036	Indira Gandhi Delhi Technical University for Women		Delhi	1682	150	361	820	290	548	AAA
1003	Sri Sai Ram Engineering College	Chennai	Tamil Nadu	4518	1218	1617	640	129	155	AAA
2520	Banaras Hindu University	Varanasi	Uttar Pradesh	1565	250	380	413	396	296	AA
1779	National Institute of Technology	Tadepalligudem	Andhra Pradesh	1279	146	384	540	140	341	AA
3187	Christ (deemed To Be University)	Bengaluru	Karnataka	4022	1451	1449	442	61	126	AA
1940	Karunya Institute of Technology and Sciences	Coimbatore	Tamil Nadu	3787	1015	1328	559	55	92	AA
1361	**Madhav Institute of Technology & Science**	**Gwalior**	**Madhya Pradesh**	**3051**	**843**	**918**	**321**	**187**	**187**	**AA**
239	R V College of Engineering	Bengaluru	Karnataka	1697	350	536	374	135	267	AA

Report on Students Performance in NPTEL Courses Run During July- December 2023

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
3028	159	2887	179	286	860	804	**171**	2129

Report on Faculty Performance on SWAYAM/ NPTEL courses during July- December 2023

Total No. of Registrations	No of courses in which registration are made	No. of faculty appeared in exam	No. of faculty members qualified exam				Total no. of faculty qualified exam	No of toppers in various courses	No. of Faculty members completed FDP courses
			Elite + Gold certificate	Elite +Silver certificate	Elite certificates	Successfully completed			
169	86	158	08	35	57	37	137	**15**	137

Performance Summary of MITS NPTEL Local Chapter

Jan-June 2018	July-Dec. 2018	Jan-June 2019	July-Dec. 2019	2020	2021	Jan-June 2022	July-Dec. 2022	Jan-June 2023	July-Dec. 2023
A	AA	AA	AA	AA	AAA	AAA	AA	AAA	AA
87th	25th	46th	31st	13th	5th	2nd	25th	6th	15th

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Performance Summary of Faculty & Students
Out of the total aspirants, 74% students and 87% faculty secured certificates from the NPTEL.

Faculty Toppers

Dr. Gagandeep Kaur	Topper of 1% in this course
Anish P Jacob	Topper of 2% in this course
Priyanka Garg	Topper of 5% in this course
Dr. Rajni Ranjan Singh Makwana	Topper of 5% in this course
Dr. Monica Chauhan Bhadoriya	Topper of 5% in this course
Dr. Vibha Tiwari	Topper of 5% in this course
Priyanka Garg	Topper of 5% in this course
Kuldeep Narayan Tripathi	Topper of 5% in this course
Shubham Sharma	Topper of 5% in this course
Smita Parte	Topper of 5% in this course
Anjali S Patil	Topper of 5% in this course
Atul Kumar Ray	Topper of 5% in this course
Charu Goyal	Topper of 5% in this course
Rohit Agrawal	Topper of 5% in this course
Dr. Laxmi Shrivastava	Topper of this course

Item. 3: To apprise about the NPTEL - Internship opportunity for the Students of the MITS Local Chapter

— NPTEL provides opportunity to gain rich research experiences with faculty from **prestigious IITs and IISc for NPTEL** toppers**.**

— NPTEL has started offering internships to **NOC exam topper** students with the respective course instructors.

— **The Summary of offered Internships of duration (4Week to 8Weeks) offered by various IITs are given below:**

S.No.	Offering Organization	Name of Course	No. of Internships offered
1.	**IIT Guwahati**	Advanced Machining Processes	15
2.	**IIT Kharagpur**	✓ Introduction to Industry 4.0 And Industrial Internet Of Things ✓ Introduction to Internet of Things	70
3.	**IIT Roorkee**	Environmental Impact Assessment	25
4.	**IIT Ropar**	Social Networks	1
5.	**IIT Tirupati**	Introduction to Abrasive Machining and Finishing Processes	10
Total Offers			**121**

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Item. 4: To review the monthly report on continuous Assessment (Quiz/Assignment) during July-December 2023

— The IQAC monitors the teaching-learning processes and continuous evaluation practices regularly through the Dean Academics office.

— It has been advised that one short quiz be conducted per week. The monthly monitoring keeps a check on the mechanism.

S.No	Name of Department	Semester	10th Aug. to 10th Sept.		11th Sept. to 10th Oct.		11th Oct. to 3rd Nov.		G. total	
			Total No. of Quiz	Total No. of Assign	Total No. of Quiz	Total No. of Assign	Total No. of Quiz	Total No. of Assign	Quiz	Assign.
1.	Civil Engineering	I, III V and VII	82	78	55	47	53	54	190	179
2.	Mechanical Engineering		38	22	34	23	22	11	94	56
3.	Automobile Engineering		40	23	34	24	20	10	94	57
4.	Electrical Engineering		56	56	51	45	43	42	150	143
5.	EE- IoT		39	34	46	55	31	30	116	119
6.	EC/ET		105	52	84	59	99	53	288	164
7.	CSE/CSD		80	54	91	81	87	83	258	218
8.	Master of Computer Application		-	-	18	13	24	14	42	27
9.	M.Tech (CSE)		-	-	04	05	07	08	11	13
10.	Information Technology		108	92	95	80	83	66	286	238
11.	Centre for Artificial Intelligence (AIR, AIDS, AIML)		81	76	87	73	46	38	214	187
12.	Chemical Engineering		48	30	28	21	30	24	106	75
13.	Engineering Mathematics & Computing		67	37	84	48	69	47	220	132
14.	Department of Management		Classes started September	-	10	14	14	41	24	55
	Grand Total		**744**	**554**	**721**	**588**	**628**	**521**	**2093**	**1663**

Compiled by: Vinod Kumar Sharma
Dean Academics Office

(Dr. Manjaree Pandit) 30|11|2023.
Dean (Academics)

(Dr. R.K. Pandit) 30.11.23
Director

Item. 5 **To review the various activities conducted under clubs and Society Chapters/Forums during July-December 2023**

S.No.	Club Name	Coordinator Name	Number of Activity	Number of Participants
1	Animation Club	Prof. Amit Kumar Manjhvar	01	20
2	ASIMOV Club	Dr. Karuna Markam	04	298
3	Dance Club	Prof. Parul Saxena	04	42
4	Digital Learning CLub	Dr. Punit Johari	05	245
5	Holistic Health Club	Prof. Vishal Chaudhary	08	1507
6	Heritage & Tourism Club	Prof. Gautam Bhadoriya	03	170
7	Prakriti Club MITS	Dr. Sushmita Chaudhari	02	95
8	A Fashion and Design Hub	Ms. Richa Mishra	02	52
9	STOPNOT Club	Dr. Shubhi Kansal	03	128
10	Sky (Rocket Club)	Dr. RP Narwaria	01	68
11	IETE student Forum MITS	Dr. Vandana Vikas Thakare	09	1393
12	ISTE Student Chapter MITS	Prof. Vishal Chaudhary	04	2785
Total Activities			**46**	**6803**

The club/ professional society chapter activities for the last 5 years at a glance are:

YEAR	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	July-Dec 2023
Activities	86	66	54	89	103	217	46

Details of activities during July-Dec 2023 are available at
https://docs.google.com/document/d/1iNq_p7j984TrCdvK-5QiKGng4IK5TH0r/edit#heading=h.gjdgxs

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Item. 6: **To review the status of Novel Engaging Courses (NEC) offered during July-December-2023 for the holistic development of the students**

During the previous semester 78 NEC were offered.

Summary of Novel Engaging Courses

Year	Aug-Nov 2021	Jan-April-2022	Aug-Nov 2022	Jan-April 2023	July-Dec 2023
Courses	21	44	72	78	69
Pass %	93	99	98	99	96
Average FFI	4.43	4.54	4.66	4.49	4.51

No	Name of the Course	Mentor Name	Registered Students	Feedback submitted	FFI (Out of 5)	Pass %
1	3D Printing	Gavendra Norkey	50	27	**4.26**	84
2	Animation	Amit Manjhvar	50	41	**4.19**	94
3	Arduino: Getting Started with IoT	Bhavna Rathore	25	12	**4.44**	100
4	Basic and Advanced Excel	Abhilash Shukla	50	43	**4.48**	100
5	Basic Programming of Python using Google Colab	Hemant Choubey	50	32	**4.52**	96
6	Basics and Applications of Mathematica	Atul Kumar Ray	18	13	**4.88**	100
7	Basics of Campus Recruitment Training	Trilok Pratap Singh	50	50	**4.38**	100
8	Basics of Technical Analysis in Stocks	Ankit Kumar	50	35	**4.72**	98
9	Bhagwad Gita- An Introduction	C S Malvi	50	24	**4.65**	90
10	Career Guidance & Preparedness	Praveen Bansal	50	22	**4.62**	98
11	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	50	24	**4.44**	96
12	Coding Skills** - III	Rajni Ranjan Singh	20	14	**4.44**	100
13	Computational Thinking for Problem Solving	Sanjiv Sharma	31	13	**4.13**	90
14	Creative Writing	Preeti Gupta	20	9	**4.83**	80

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No	Name of the Course	Mentor Name	Registered Students	Feedback submitted	FFI (Out of 5)	Pass %
15	Data Analysis Skills	D K Jain	50	32	**4.59**	100
16	Demystifying Online Social networks	Arun Kumar	50	35	**4.67**	100
17	Design Skills Using Simulation Software	Sharad Agrawal	29	13	**4.62**	86
18	Digital Circuit Design	Kuldeep Swarnkar	50	25	**4.57**	100
19	Electrical Safety	Vijay Bhuria	17	8	**4.84**	100
20	Electrical Wiring, hazards & safety	Saurabh Rajput	13	4	**4.45**	92
21	Elements of Photographic Skills	D.K. Parsediya	50	50	**4.65**	100
22	Emerging Technologies in Computer Science	Mahesh Parmar	50	47	**4.28**	96
23	English Literary Skills	Sanjeev Khanna	38	16	**4.4**	76
24	Fire Safety and Regulation in Building	Hemant Shrivastava	29	16	**4.42**	100
25	Food and Nutrition	Anjula Gaur	25	10	**4.1**	72
26	Fundamentals of R Programming	Kritika Bansal	29	18	**4.55**	93
27	Games & Sports** - I	B.P.S. Bhadoria	50	15	**4.64**	100
28	Games & Sports** - III	B.P.S. Bhadoria	23	7	**4.7**	100
29	Graphic Design	Satyam Shukla	50	17	**4.34**	100
30	Imbalance Learning	Bhagat Singh Raghuwanshi	22	14	**4.77**	95
31	Innovation: From Creativity to Entrepreneurship**-I	Ankit TIwari	50	31	**4.7**	98
32	Innovation: From Creativity to Entrepreneurship**-III	Varun Sharma	18	6	**4.99**	100
33	Integrating Engineering and Literacy	Tej Singh	17	10	**4.99**	100
34	Internet as Social Media	Shubha Mishra	50	16	**4.24**	100
35	IT Tools	Abhishek Dixit	49	17	**4.44**	88
36	JIRA Agile Project Management	Gagandeep Kaur	50	12	**4.58**	100
37	Know your Country: History, Culture & Traditions	Neha Bhardwaj	50	18	**4.52**	94
38	LT Spice Tutorial for Circuit Simulation	Vikas Mahor	50	17	**4.48**	100

No	Name of the Course	Mentor Name	Registered Students	Feedback submitted	FFI (Out of 5)	Pass %
39	Microsoft Office-Excel Skills	Abhilash Sonker	49	27	**4**	90
40	Microsoft word and PowerPoint for Beginners	Pooja Sahoo	50	24	**4.36**	98
41	National Cadet Corps** (NCC) - I	B.P.S. Bhadoria	50	17	**4.26**	100
42	National Cadet Corps** (NCC) III	B.P.S. Bhadoria	16	2	**5**	100
43	National Service Scheme** (NSS) - I	Manish Sagar	50	23	**4.48**	88
44	Photo Editing Software: Adobe Photoshop	Versha Sinha	50	20	**4.7**	98
45	Practical Electronics for Inventors	Madhav Singh	22	10	**4.43**	100
46	Proficiency in Microsoft Excel	Nikhil Paliwal	22	11	**4.7**	100
47	Programming Skills* - I	Rajni Ranjan Singh/Jigyasa Mishra	50	26	**4.04**	100
48	Project Management	Jyoti Vimal	50	27	**4.39**	96
49	Python for Image processing applications using Open CV	Pawan Dubey	50	27	**4.17**	100
50	Real-Time Big Data Processing: Concepts, Techniques & Applications	Devesh Kumar Lal	50	28	**4.48**	100
51	Research Paper Prepration and Publication - Basics	Rakesh Narvey	37	18	**4.76**	100
52	Robotics	Karuna Markam	50	33	**4.3**	100
53	Science and Technology Around Us	Rakesh Dubey	44	19	**4.55**	89
54	Scientific Research Writing	Divya Chaturvedi	16	15	**4.34**	100
55	Sculpture Making* - I	Pranshi Jain	33	22	**4.62**	91
56	Shutter Up-Flash Me Photography	Shourabh Raghuwanshi	50	25	**4.47**	100
57	Smart Home Technologies	Vikas Shejwar	50	27	**4.6**	98
58	Smart Sensing and Intelligent Systems	Anshika Srivastava	17	13	**4.63**	94
59	Software Development** - I	Atul Chauhan	50	24	**4.66**	100
60	Software Development** - III	Atul Chauhan	18	8	**4.75**	100
61	Statistical data analysis through programming	Dhananjay Bisen	50	29	**4.78**	100

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No	Name of the Course	Mentor Name	Registered Students	Feedback submitted	FFI (Out of 5)	Pass %
62	Study of Historical Monuments of Gwalior	Jaimala Jha	50	23	**4.42**	96
63	The Art of Mandala Meditation	Vibha Tiwari	50	27	**4.54**	100
64	The Art of Technical Analysis: Decoding Market Patterns	Gaurav Khare	50	28	**3.7**	82
65	Umpiring of Sports	External Mentor	12	2	**4.6**	100
66	Understanding Financial Markets	Saumil Maheshwari	50	20	**4.39**	88
67	Understanding Logic Gates	Rahul Dubey	37	26	**4.75**	100
68	Vehicular Skill Development	Vedansh Chaturvedi	17	10	**4.37**	94
69	World Heritage Sites: A Brief Overview	Richa Mishra	50	41	**4.28**	100
	Total		**2713**	**1465**	**Average 4.5**	**96%**

Item. 7: To apprise the house about faculty publication in various reputed Journals during 2017 to 2023

> **Research Publication in SCI/ESCI/SCIE/WoS/Scopus Journals:**
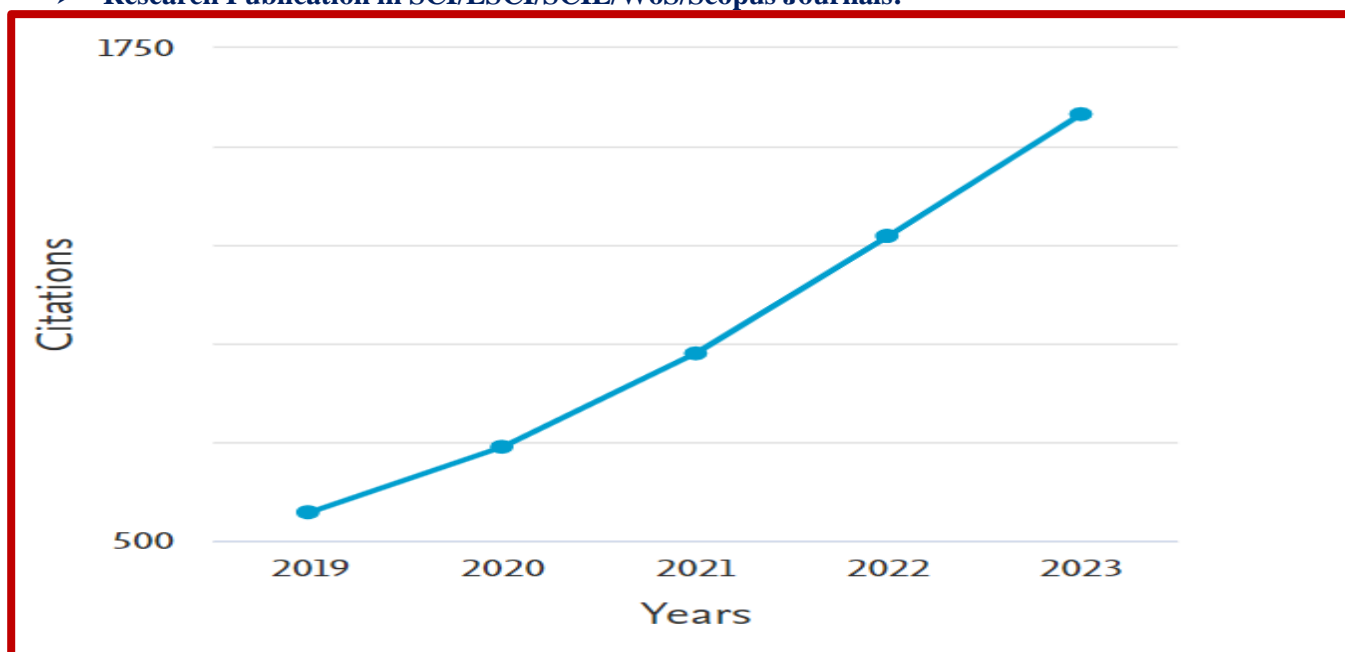
COUNTA of Journal Indexing	Journal Indexing					
Session	ESCI	SCI	SCIE	SCOPUS	Web of Science	Grand Total
2017-2018		16	9	13		38
2018-2019		3	1	6		10
2019-2020		9	7	23	7	46
2020-2021	8	15	9	20	9	61
2022 Session	7	21	53	48	2	131
2023 Session	5	16	26	52	1	100
Grand Total	**20**	**80**	**105**	**162**	**19**	**386**
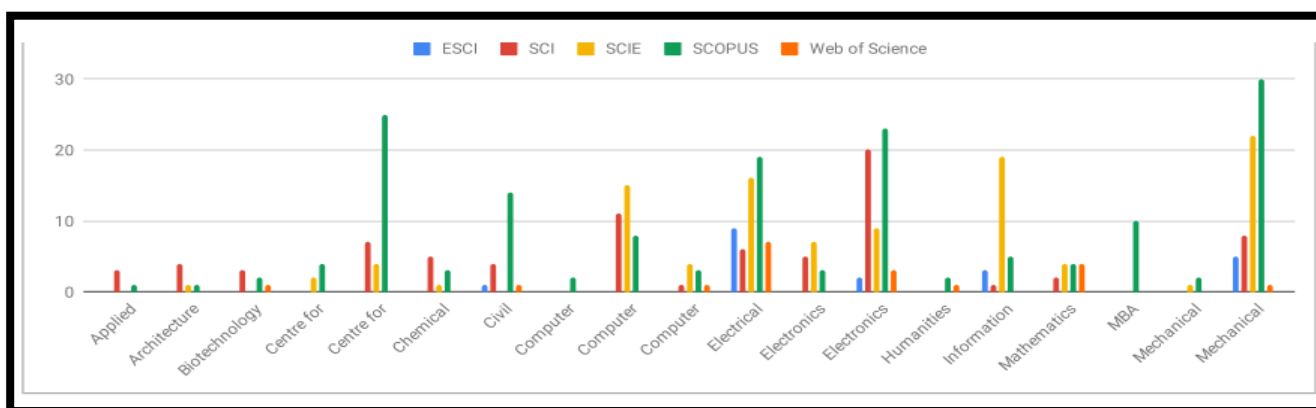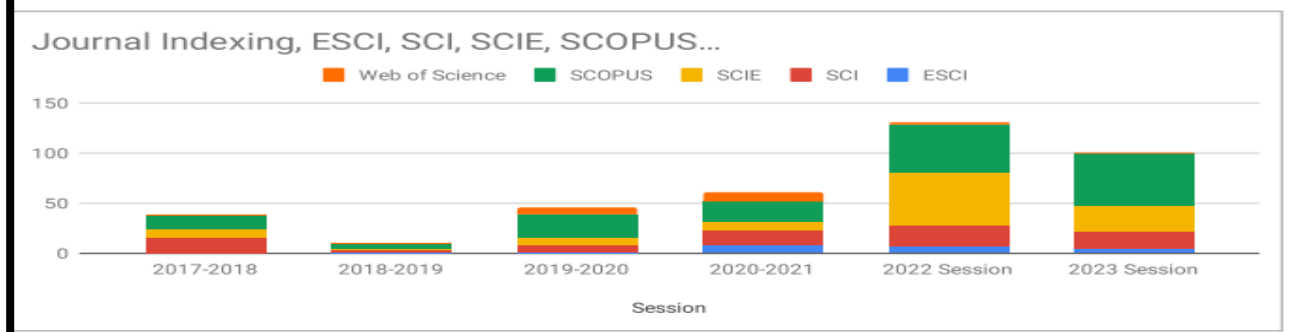
Department Name	ESCI	SCI	SCIE	SCOPUS	Web of Science	Grand Total
Applied Science		3		1		4
Architecture		4	1	1		6
Biotechnology		3		2	1	6
Centre for Artificial Intelligence			2	4		6
Centre for Internet of Things		7	4	25		36
Chemical Engineering		5	1	3		9
Civil Engineering	1	4		14	1	20
Computer Applications				2		2
Computer Science & Engineering		11	15	8		34
Computer Science & Engineering & Information Technology		1	4	3	1	9
Electrical Engineering	9	6	16	19	7	57
Electronics Engineering		5	7	3		15
Electronics Engineering /Electronics & Telecommunication Engineering	2	20	9	23	3	57
Humanities				2	1	3
Information Technology	3	1	19	5		28
Mathematics and Computing		2	4	4	4	14
MBA				10		10
Mechanical Engineering			1	2		3
Mechanical Engineering / Auto	5	8	22	30	1	66
Grand Total	**20**	**80**	**105**	**161**	**19**	**385**

The details are available at:

https://docs.google.com/spreadsheets/d/1akelD_fk05BoDgU4vS2EDIRqmX8jfd8n/edit?usp=drive_link&ouid
=104620522594504000136&rtpof=true&sd=true

Item 8: To apprise the house about conduction of 5th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2023) held on October 21-22, 2023

- ➢ The 5th edition of the ICSISCET was successfully conducted on October 21-22, 2023, by Institute in technical collaboration with the Soft Computing Research Society, New Delhi.
- ➢ Over 250 papers were received for inclusion in this conference. After rigorous review, 50 papers were selected for presentation under 10 different tracks.
- ➢ More than 20 experts have contributed as session chairs in this conference.
- ➢ The conference proceedings will be published in the Algorithms for Intelligent Systems (AIS) Springer Book Series.
- **Total No. of Paper Submitted:** 255 (From 11 countries)
- **Paper Accepted for Presentation and Potential Publication:** 50; **Acceptance rate 19% {06 countries, 13 Indian States and 39 institutes were involved}**
- **No. of Technical Sessions:** 10
- **No. of Keynote Talks:** 02
- **No. of Experts as Session Chair:** 24
- **No. of Session Coordinators:** 12

Following Keynote talks and Technical Sessions were organized during conference:

- Keynote Talk 1- Dr. Arvind Kumar Jain, National Institute of Technology Agartala
- TS 01: Advances in Intelligent Computing, Sustainable Engineering Systems, and Practices
- TS 02: Computational Intelligence & Machine learning
- TS 03: Embedded Systems & VLSI Design
- TS 04: Sustainable Computing and Information Technology
- TS 05: Advances in Intelligent Computing, Sustainable Engineering Systems and Practices
- Keynote Talk 2- Dr. Ashish Kumar Tripathi, Malaviya National Institute of Technology Jaipur
- TS 06: Computational Intelligence & Machine learning
- TS 07: Embedded Systems & VLSI Design
- TS 08: Computational Intelligence & Machine learning
- TS 09: Computational Intelligence & Machine learning
- TS 10: Sustainable Computing and Information Technology

The full report is available at:

https://drive.google.com/drive/u/2/folders/1yrzkKQJvjE5hD4sHT_YYl4fi9DNM3pPx

Item 9: To apprise the house about the achievements of students in Sports activities during July-December 2023

S. No.	Name of Activity	Level	Date / duration	Activities details in brief	No. of student participated	Achievements / winner details
1.	Cricket	Nodal Level	25/10/2023 to 30/10/2023	9 Teams of different colleges participated in the Tournament (Organised by MITS, Gwalior)	144	MITS Team Winner
	https://drive.google.com/file/d/1TRF9F_egHmkNd2Nw0sxGT-bx6-msSvZD/view?usp=sharing					
2.	Chess	Nodal Level	30/10/2023 to 31/10/2023	6 Men and 4 Women Team different colleges of Participated in the Tournament (Organised by SRIIT, Banmore Morena)	50	Men- MITS Winner Women- MITS Winner
	https://drive.google.com/file/d/1TD5wC5T3k8z0Fa_PfAYWAC7s6EONyYV3/view?usp=sharing					
3.	Kho-Kho	Nodal Level	03/11/2023 to 04/11/2023	6 Men and 5 Women Team different of Colleges Participated in the Tournament (Organised by VISM College, Gwalior)	132	Men- MITS Winner Women- MITS Winner
	https://drive.google.com/file/d/1hAz6NJ60PP8aYzfIVYBzC1DbkrCrvdv2/view?usp=sharing					
4.	Basketball	Nodal Level	07/11/2023 to 08/11/2023	4 Men and 4 Women Team of different Colleges Participated in the Tournament (Organised by MITS, Gwalior)	96	Men- MITS Team - Runners Women- MITS Team – Winner
	https://drive.google.com/file/d/11ZFJxQk6VEimcl8Na36LrfG0p7sPrCAD/view?usp=sharing					
5.	Volleyball	Nodal Level	08/11/2023 to /09/11/2023	4 Men and 4 Women Team of different colleges Participated in the Tournament (Organised by SRCEM, Banmore, Morena)	120	Men- MITS Team- Runners Women- MITS Team Winner
	https://drive.google.com/file/d/1jZ10HdSmpEVheR354kYZYOfvXd2u2EjE/view?usp=sharing https://drive.google.com/file/d/1OTFb4nwgDoY13LOXTObpfXNeqxL0HfHL/view?usp=sharing					

S. No.	Name of Activity	Level	Date / duration	Activities details in brief	No. of student participated	Achievements / winner details
6.	Badminton	Nodal Level	09/11/2023 to 10/11/2023	6 Men and 4 Women Team of different colleges Participated in the Tournament (Organised by IPS College, Gwalior)	60	Men- MITS Runner Women- MITS Winner
	https://drive.google.com/file/d/1vXDhkiqxi-a7tfb4t3EARbJwNznb6Y2c/view?usp=sharing					
7.	Table Tennis	Nodal Level	19/11/2023 to 20/11/2023	6 Men and 4 Women Team of different colleges Participated in the Tournament (Organised by MITS, Gwalior)	45	Men's- MITS Winner Women- MITS Winner
	https://drive.google.com/file/d/1gto7oU3Cxi-p68NzcMZqarD7jVCxg9fM/view?usp=sharing					
8.	Yoga Competition	Nodal Level	20/11/2023 to 21/11/2023	4 Teams (Men and Women) team of Different colleges Participated in the Tournament (Organised by MITS, Gwalior)	48	Men- MITS Winner Women- MITS Winner
	https://drive.google.com/file/d/1LTkkzb5jEw-6nthRAEDLMb-q7zLGLBw9/view?usp=sharing					
9.	Football	Nodal Level	27/11/2023 to 28/11/2023	5 Men Team of different colleges Participated in the Tournament (Organised by RJIT, Tekanpur, Gwalior)	60	MITS Winner
	https://drive.google.com/file/d/1OQ45z3ac-F3T3u9TNNag7sImK70td-YO/view?usp=sharing					
10	Yoga Competition	State level	24.11.2023 to 25.11.2023	RGPV state level Yoga competition organised by MITS, Gwalior	78	Gwalior team got III position
	https://drive.google.com/file/d/1Q86SONlfOFMqpryKrJD4yEihoKIvMeww/view?usp=sharing					
11	Basketball	State level	26.11.2023– 27.11.2023	RGPV state level Basketball Men and women tournament organised by MITS, Gwalior	156	Men's Team of Gwalior Runner up
	https://drive.google.com/file/d/1EH-F5ujkndBNtsYPvYJEidt_tuWjF2Qm/view?usp=sharing					

Item 10: To review the Start-up Cell Report for the duration January 2023 to December 2023

S.No	Event	Date	Outcome
1.	Participation and Presentation of MITS Gwalior Student at Pravasi Bharatiya Divas, Indore	8th Jan2023	Three-way Studio received a chance to interact with professional dignitaries and discuss the vision of the company.
	https://drive.google.com/file/d/1YmmgstB5swSNcHNk3IQjLObayBgRT5i9/view?usp=drive_link		
2.	Participation and Presentation of MITS Gwalior Student at Gwalior Global Investor Summit 2023, Gwalior	25th Jan2023	Promotion of Idea and Networking
	https://drive.google.com/drive/folders/1uK2kr9o3I2lYSJOLV61KX625glTL5wJM?usp=drive_link		
3.	Requirement Drive StartupCell	5th Jan-28 Jan 2023	Core Team Creation
	https://drive.google.com/file/d/1o7G4d2xmF8NB7_yLH1DbGDrVqtXPvng/view?usp=drive_link		
4.	Professor Bart Van Looy from Katholieke University Leuven, Belgium Visited the Startup Cell of MITS Gwalior. The delegation included seniorofficials from Smart City Gwalior and the European Union.	6th Feb2023	The delegation discussed several projectsof mutual cooperation with the Honorable Director, Dr. R. K. Pandit of MITS Gwalior, in various domains such as academics, scholarships, strategic research, trade and commerce, governance, disaster management, Startup, cultural exchange, water conservation, and clean energy. In-chargeStartup Cell, Dr. Ankit Tiwari made a briefpresentation on MITS's Startup Cell ongoing academic activities and itsrelated policy framework.
	https://drive.google.com/drive/folders/1dX4AdtzmFZEmq4AIEyYeqe4v9x_J0Gk?usp=drive_link		
5.	Idea-Box Initiative		The purpose of this initiative is to provide a platform for students for submission of any idea from anywhere, these ideas are evaluated on a periodic basis and suitable assistance is provided. This helps the students to stay engaged in process of idea generation on a continuous basis.
6.	Startup Boot Camp (Idea to Startup a Journey)	28-29 March 2023	Organized by SIF (SGSITS Incubation Forum), Startup Cell MITS Gwalior and supported by M.P Startup Center (Govt. of M.P). Students learned about various aspects of journey of startup includingidea generation, prototyping, finance model, funding, business canva, pitch deck.
	https://drive.google.com/file/d/1K5vgoPotrtnJkNBufg4AKxyPdPUOt0y/view?usp=drive_link		
7.	one-day online workshop titled "Expert Talk"	17th June2023	Motivational talk by Renowned speaker Omkar Sane (A Bestselling Author and an award-winning screenwriter)
	https://drive.google.com/file/d/1sjvRADEU6m0a2lWGg4IaCM_HmYvRBZaA/view?usp=drive_link		

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S.No	Event	Date	Outcome
8.	Expert Lecture on Startup: A GovernmentImitative by Mr. Rajeev Kumar Assistant Director MSMEGwalior Mr. Manoj Saxena Regional Manager, CEDMAP-centreforentrepreneurship development MadhyaPradesh Mr. R.A Sharma, officer District Trade and Industries Centre, Gwalior Mr. Anirudh Pratap SinghEntrepreneur	22 August2023	The event aimed to enlighten 100+ participants about the various government initiatives, schemes, and opportunities available for startups in India.The lecture featured esteemed speakers who provided valuableinsights into the startup ecosystem.
	https://drive.google.com/drive/folders/1uqSYqvGaehUXbCRa6j8lVqUHKnXOWQKo?usp=drive_link		
9.	DRISHTIKON - Exploring Startups Through Movies andIdeation	25th, 26th August	DRISHTIKON successfully blended the worlds of entertainment and innovation, offering an unforgettable experience to all participants (200+). By encouraging attendees to go beyond binge- watching and become creators,this event showcased the potential of merging two seemingly unrelated domains –movies and startups.
	https://drive.google.com/drive/folders/1iWU6pSBXZrK1Q2dC5w6 ZWup1d7UKJ9x?usp=drive_link		
10.	IBM "Skill Build" workshop on digital Fluency, Communication Skills, Personality, Entrepreneurship, Cyber Security, Career Planning and Professional Skills.	5 October2023	Job Oriented workshop conducted, over 500 studentsparticipated
	https://drive.google.com/drive/folders/1aKrO2pdof1Ohec4W6wa8ba9tEF_5SFH8?usp=drive_link		
11.	Outreach Activity ESummit IIT Indore	7-8 October2023	(We are outreach partner forthis activity)
	https://drive.google.com/drive/folders/1Y_iVhMDUc-RShCHrnWGhzonLg95q6TK?usp=drive_link		
12.	Inhouse Workshop in Collaboration with IITKanpur	January 2024(Up coming)	Upcoming Workshop on IOT and AI (100+ Students)
	https://drive.google.com/drive/folders/1VcC9STt0TKVuCwB1PEVOyjsz2_MEg6Ac?usp=drive_link		
13.	IIT Bombay National Entrepreneurship Challenge 2023	Upcoming 2024	IIT Bombay Tagged MITSGwalior
	https://drive.google.com/file/d/1K9CLxV7jgvSD2G3MzUNmiYopHGpJOfI/view?usp=drive_link		

Item 11: To review the Skill Enhancement Program (SEP) Report-2023.

S.No.	Module Name	Department	Registered Students	Completed Students
1	Computer Aided Control and Automation	Electronics Engineering	24	17
2	Data structures & Data Retrieval techniques: Problem solving approaches	Computer Science and Engineering	219	99
3	Deep Learning – Basics to Advance	Information Technology	140	85

S.No.	Module Name	Department	Registered Students	Completed Students
4	Design analysis of grid-connected and off-grid system	IT-AIR	44	
5	Design of Waste-Water treatment systems as per CPHEED & B/S Norms	Civil Engineering	82	24
6	Getting Started with IoT: A Hands-On Approach	Computer Science and Engineering	100	100
7	Google Services	Information Technology	93	63
8	Industrial Automation and Mechanical Maintenance	Mechanical Engineering	52	12
9	Robotics and Automation	Electronics Engineering	129	129
10	Social Network Analysis	Information Technology	110	47

Item 12: To review the Research Internship Program Report-2023.

S.No.	Module Name	Department Name	Registered Students	Completed students
1	Elastica Optical Networks	Electronics Engineering	02	02
2	Design and Simulation of MPA	Electronics Engineering	03	03
3	IoT Application to improve energy efficiency	Electrical Engineering & EE-IoT	03	03
4	Digital Image Processing and Machine Learning	Computer Science and Engineering	05	05
5	Game Theory and Machine Learning	Computer Science and Engineering	08	08
6	Machine Learning and Robotics	IT-AIR	01	01
7	Microgrid operation and control	Mechanical Engineering	03	03
8	Design and development of IoT application using Arduino	Electrical Engineering	05	05
9	Data Analytics	Information Technology	03	03
10	Time Monitoring of earthing system electrodes	Electrical Engineering & EE-IoT	04	04
11	Modeling and analysis of Solar PV Integrated Single Phase Grid Connected System	Electrical Engineering	06	06
12	Deep Learning, Machine Learning, Object Detection & Image Processing	IT-IoT	02	02
13	FLEXIBLE SOLAR SHEET	Electrical Engineering	02	02
14	PV SYST	Electrical Engineering	02	02
15	Machine Learning for Control of Non-Linear Systems	AI & ML	02	02
16	Optimal Sizing of Hybrid Energy System using HOMER PRO	Electrical Engineering	01	01
17	Image Processing applications	Electronics Engineering	01	01

The research committee has prepared detailed guidelines for the conduction and evaluation of these programmes. These will be shared and circulated soon and will be presented in the next meeting of the IQAC.

Item 13: To report on new initiative to offer Internet of Things (IoT), Blockchain and Computer Vision courses

➢ The following three new courses in following emerging areas will be offered from the batch 2024

   (a) **Computer Vision (AR&VR)** -to be offered by the Centre for AI
   (b) **Internet of Things** - to be offered by the Centre for IoT
   (c) **Blockchain**- to be offered by the IT department.

➢ These courses will be added to the curriculum for the 2024 admitted batch, and their feasibility in the scheme will be evaluated.

➢ However, starting from the upcoming semester i.e Jan-June 2024, these courses will be offered under novel engaging courses (NEC), to be monitored by Dean Student Welfare.

Item 14: To report about the initiative taken to improve the effectiveness of the continuous evaluation mechanism (Mid-Semester Examinations) through regular monitoring by observers

➢ In view of NEP-2020 guidelines for "**Move Away from high-stake examinations (unburden the students)**" the weightage of continuous assessment is increased and in future the same will be further enhanced; therefore the proper monitoring and uniform system must be followed for continuous assessment components. In line with the same objectives, following observers are appointed for Mid-Semester monitoring:

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Ref. No. 2622
Date: 19/12/2023

ORDER

Following faculty members are appointed as observer for II Mid Semester Examination scheduled from 26th Dec 2023 (I year 2023 admitted batch):

1. Dr. Sanjay Tiwari, Department of Civil Engineering
2. Dr. Manish Kumar Sagar, Department of Mechanical Engineering
3. Dr. R. K. Gupta, Department of CSE
4. Dr. C. S. Malvi, Department of Mechanical Engineering

The observers are required to take round during each shift and in all classrooms and submit a report to the undersigned.

Dr. R. K. Pandit 19.12.23
Director

Copy to:
1. Concerned Committee member
2. Registrar
3. Examination Office
4. Director Office
5. Dean, Academics

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Ref. No. 2223   13th Oct. 2023

ORDER

The following faculty members have been designated as exam observers for the upcoming second mid-semester examinations, set to commence from October 16, 2023:

1. Dr. P.K. Singhal
2. Dr. R.K. Gupta
3. Dr. Sanjay Tiwari
4. Dr. C.S. Malvi

These designated observers are responsible for conducting rounds of all examination halls and are expected to submit a detailed report to the undersigned following the conclusion of the examinations.

(Dr. R.K. Pandit) 13·10·23
DIRECTOR

Copy to:
1. All the concerns
2. All the Heads of the Department
3. The Dean(Academic)
4. The Registrar
5. Controller of Examinations
6. Director office

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Ref: MIDSem/208   Date: 07/09/2023

ORDER

A committee of following members is constituted to monitor the conduction of MID Semester examination commencing from 11/09/2023 to 15/09/2023:

1. Dr. P. K. Singhal
2. Dr. R. K. Gupta
3. Dr. Sanjay Tiwari
4. Dr. C. S. Malvi

The committee will ensure the adherence with the following guidelines issued by the Dean Academics:

1. Proper seating plan is prepared for the MID Semester Examinations.
2. Question papers are prepared in two sets, A & B, such that the Question number-CO's are identical in both the sets. The question papers are to be distributed in such a way that half of the students get   SET-A and another half get SET-B
3. Minimum two invigilators are present in each class room and they are vigilant also.

The committee will also ensure that the examinations are conducted with the utmost sanctity and sincerity, preserving the integrity of the examination process. The committee will also monitor the conduct of both students and invigilators to prevent any breaches of academic integrity.

Upon the completion of the Mid-Semester Examination, the committee will diligently compile their findings and observations. Their comprehensive report, detailing the examination's fairness, security measures, and any identified issues, will be submitted within seven days.

Dr. R. K. Pandit 7·9·23
DIRECTOR

Copy to
• Committee members
• Office of Dean, Academics
• Controller, Examinations

Report on Midterm Examination Conduction
(Order No. Midsem/208 dated September 7, 2023)

In reference to Order No. Midsem/208, dated September 7, 2023, the appointed committee conducted regular inspections and observed that the midterm examination was carried out with the utmost integrity and adherence to protocol.

Key observations included:

1. **Seating Arrangements and Question Paper Distribution:** The seating plans were prominently displayed at the entrance door, and question papers were distributed in duplicate sets, ensuring a secure and organized examination environment.
2. **Student Attendance:** The attendance of students during the midterm examination was commendable, indicating a high level of participation and engagement.

The overall administration of the midsem examination was executed satisfactorily and without disruptions.

Nevertheless, the committee would like to propose the following recommendations for consideration:

1. **Whiteboard Maintenance:** Ensure that the whiteboard is consistently clean and free from any markings or impurities to enhance the clarity of instructional content.
2. **Furniture Availability:** Ensure that furniture readiness is maintained at all times and can be promptly arranged as needed to facilitate smooth examination logistics.
3. **Invigilator Signature on Answer Books:** Encourage invigilators to sign the Answer Books to provide an additional layer of verification and accountability in the examination process.

These recommendations would further enhance the overall efficiency and effectiveness of future examinations.

Dr. Sanjay Tiwari   Dr. C.S. Malvi

Dr. P.K.Singhal 9|10|23   Dr. R.K. Gupta 09|10|2023

DIRECTOR

Dean (Academics) 12.10.23

⸺   The effectiveness of mid-semester exams was increased.

⸺   The report on the initiative and action taken thereafter are available at

https://docs.google.com/document/d/1xwIJ4L6ITVfxk-JqS5FzZiKjrQeYM4lb/edit

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Item 15: To review the report of the counsellor for the duration March-November 2023

— Having established that meetings of the student counsellor for individual and group counselling are taking place regularly, it was decided that a separate meeting will be scheduled to review the various issues being faced by the students and the corrective steps being taken by the institute.

— It was decided that complete report with quality matrix will be prepared and presented.

S.No.	Date	SESSIONS	No. of Students
1.	24th March,2023 18th March,2023 23rd September,2023 12th Oct,2023 & Individual sessions	Group Session in Hostel No.6,4,5&7 1. Role of counselling 2. Adjustment issues 3. Health and Hygiene 4. Yoga	Hostel No.-6-139 Students Hostel no.7-94 Students Hostel No.5- 42 students Hostel No.4-68 Students
2.	24th March,2023 22nd April,2023 12th August,2023 23rd August,2023 20th September,2023 7th October,2023 7th October,2023 10th Oct,2023 28th Nov,2023	1.Uninstalling Anxiety (Group session) 2.Body language During Interview (Group Session) 3.Coping skills 4.Pannel discussion Gender Neutral washrooms GGC 5.Armed Forces Workshop Psychological Test 6.Yoga and mental health 7.World mental health day awareness session 8.GGC School assembly 9.Unleashing the power of Soft Skills	92 Students 59 students 42students 149 students 114 students 98 students 79 students 38 students 42 students
3..	24 sessions in MBA	1. Personality development 2. Interview Behavior 3. Social and Emotional Learning 4. Professional behavior 5. Confidence building 6. Stress and exam 7. Enhancing learning behavior	MBA- 15 to 39 students
4.	Individual Counselling sessions(offline) Jan, 2023	Individual sessions	Students-339 Staffs-2

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Item 16: To report about the review of Course Outcomes to ensure framing of COs as per Bloom's Taxonomy

— An extensive preliminary review and discussions/brain storming was done by the OBE coordinator & Dean Academics to check and correct the course outcomes before the Academic Council meeting.

— Some of the COs statements which were not drafted as per Bloom's Taxonomy were re-drafted/modified during the meeting.

— It was observed that about 70-80% COs were well drafted. For the remaining, suggestions were given to the HoD and concerned faculty to rewrite COs according to standard guidelines.

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Ref. No. DA/MP/2023/ 99   Date: 06/12/2023

NOTICE

There will be a review and discussion on CO statements of all courses of II, IV and VI semesters approved by the BoS the BoS in November-December 2023 prior to the meeting of the Academic Council.

The review will be conducted by the OBE coordinator and the Dean Academics in the IQAC room from as per the following schedule.

The HoD and 2-3 faculty members are required to present the same so that any discrepancies in framing the COs (without changing the intent) can be rectified in line with the Bloom's taxonomy.

Date	Department	Time
11th December 2023	Civil	4.0-4.20 PM
	Mechanical	4.20-4.40PM
	Electrical	4.40 PM-5.00PM
	Electronics & ET	5.00 PM-5.30 PM
12th December 2023	CSE & CSD	4.0-4.30 PM
	Information Technology	4.30-4.50PM
	Centre for Artificial Intelligence (AIR/AIDS/AIML)	4.50 PM-5.30PM
13th December 2023	Centre for Internet of Things (Both programmes)	4.0-4.20 PM
	Engineering Mathematics and Computing	4.20-4.40PM
	Chemical Engineering	4.40 PM-5.00PM

(Dr. Manjaree Pandit)
Dean (Academics)

Copy to:
1. HoDs/coordinators of B.Tech programmes
2. OBE Manager (Dr. S. Wadhwani)
3. IQAC coordinator
4. Director Office

Item 17: To report about the new initiative taken for the conduction of department-wise audit of Project Based Learning (Internship Research Project/Minor Project/SEP/Research Internship/Programme)

➢ The guidelines for the conduction of department-wise audit for Project Based Learning (Internship Research Project/Minor Project/SEP/Research Internship/Programme) are issued vide order No. 88 dated 06.12.2023.

➢ The audit will be conducted in the month of January 2024 by Research Committee of the Institute.

➢ **The report will be presented in the next meeting of the IQAC in March 2024.**

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Ref. No. DA/MP/2023/ 88   Date: 06/12/2023

NOTICE

The institute will conduct a department-wise audit of "Project based Learning" being facilitated in the institute, for the year 2023. The conduction and evaluation of (i)Internship/Research Project under faculty (VIII Sem), (ii) Minor Projects I & II (V & VI Sem), and (iii) SEP/research internship program (VI Sem) will be reviewed. All department heads, program coordinators and internship/class coordinators in charge of the courses mentioned above are required to compile the data using excel sheet in the following format, for all the students:

A. Internship Research Project under faculty (VIII Sem) Submitted in 2023

S.N	Name of student	Enrolment number	Type of project (Hardware / software /Case studies/ Simulation/ mention other category, if any)	Publication details (Proof, Link, copy of paper) or other deliverables	Internship/Project Report submitted (Link)

B. Minor Project (V & VI Sem) Submitted in 2023

S.N	Name of student(s)	Enrolment number	Type of project (Hardware / software /Case studies/ Simulation/ mention other category, if any)	Publication details (Proof, Link, copy of paper) or other deliverables	Report submitted (Link)

C. SEP/Research Internship Program (VI Sem) Submitted

S.N	Name of student(s)	Enrolment number	Name of module/Name of industry where internship done/Title of research internship)	Publication details (Proof, Link, copy of paper) or other deliverables	Report submitted (Link)

The following documents will also be needed for the audit.

1. Evaluation records on excel sheet
2. Outcomes and mapping of the above courses with POs and PSOs

The audit will be conducted by the members of the research committee in **mid-January 2024**, the schedule for which will be communicated in due course of time.

(Dr. Manjaree Pandit)
Dean (Academics)

Copy to:
1. HoDs/coordinators of B.Tech programmes
2. Members of the research committee
3. IQAC coordinator
4. Director Office

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Item 18: **To review the slow/fast learner mechanism of the institute for II & III year students during July-December 2023 session**

— **It was decided that a review of the complete mechanism will be conducted by an internal committee.**

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Profiling of Students as Slow/Medium/Fast learners
(24th July to 30th September 2023)

Name of Class : III Semester

Name of the Department	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
Mechanical Engineering	468	112	23.93	295	63.03	61	13.03
Electrical Engineering	818	197	24.06	298	36.43	323	39.48
Electrical Engineering (IoT)	385	87	22.59	178	46.23	120	31.16
Electronics Engineering	300	42	14	226	75.33	32	10.66
	332	30	9.06	277	84.43	25	7.53
Electronics & Telecommunication Engineering	300	30	10	250	83.33	20	6.66
Computer Science and Engineering	800	159	19.87	486	60.75	155	19.75
Computer Science and Design	553	123	22.24	168	30.37	262	47.37
Information Technology	486	73	15.02	315	64.81	98	20.16
IT – Internet of Things	492	58	11.78	408	82.92	26	5.28
Centre for Artificial Intelligence							
IT – Artificial Intelligence and Robotics	405	85	20.98	269*	66.41	51	12.59
Artificial Intelligence and Machine Learning	581	109	18.76	365	62.82	107	18.41
Artificial Intelligence (AI) and Data Science	415	63	15.18	301	72.53	51	12.28
Chemical Engineering	36	25	69.44	3	8.33	08	22.22
Engineering Mathematics & Computing	399	64	16.04	218	54.63	117	29.32
Architecture	114	19	16.66	78	68.420	17	14.91
Master of Computer Application	225	55	24.44	114	50.66	56	24.88
Name of Class : V Semester							
Mechanical Engineering	470	70	14.89	341	72.53	59	12.55
Automobile Engineering	80	23	28.75	49	61.25	08	10
Electrical Engineering (IoT)	345	69	20	154	44.63	122	35.36
Electronics Engineering	390	30	7.69	321	82.30	39	10
	390	38	9.74	338	86.66	14	3.58
Electronics & Telecommunication Engineering	355	30	8.45	286	80.56	39	10.98
Computer Science and Engineering	882	185	20.97	243	27.55	454	51.47
Computer Science and Design	408	125	30.63	212	51.96	71	17.53
Information Technology	308	25	8.11	252	81.81	31	10.06
IT – Internet of Things	426	35	8.21	344	80.75	47	11.03
Centre for Artificial Intelligence							
IT – Artificial Intelligence and Robotics	345	110	31.88	185	53.62	50	14.49
Artificial Intelligence and ML	335	39	11.64	246	73.43	50	14.92
Artificial Intelligence and DS	350	72	20.57	222	63.42	56	16

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Science							
Chemical Engineering	120	54	40	27	38	39	22
Engineering Mathematics & Computing	335	48	14.32	229	68.35	58	17.31
Architecture	144	23	15.97	86	59.72	35	24.30
Name of Class : VII Semester							
EC/ET	201	13	6.46	181	90.04	07	3.48
Computer Science and Engineering	76	13	17.10	24	31.57	39	51.31
Information Technology	142	18	12.6	103	75.53	21	14.78
IT- IoT	116	12	10.34	92	79.31	12	10.34
CAI – Artificial Intelligence and Robotics	75	14	18.66	46	61.33	15	20
Chemical Engineering	187	113	60.42	30	16.04	44	23.52
Engineering Mathematics & Computing	65	11	16.92	40	61.53	14	21.53
Architecture	180	23	12.77	129	71.66	28	15.55
Total	**13834**	**2524**	**18.24**	**8429**	**60.92**	**2881**	**20.82**

COMPARISON WITH PREVIOUS YEAR STATUS
(III, V and VII Semester)

Session	Registered Students	Slow Learners		Medium Learners		Fast Learners	
		Number	Percentage	Number	Percentage	Number	Percentage
July-Sept 2022	13208	2395	18	5814	44	4999	38
July-Sept 2023	13834	2524	18	8429	61	2881	21

Compiled by
(Dean Academics Office)

Comments & Observations

➢ The information has been compiled based on course-wise data received from the departments as a regular practice and part of Administrative Efficiency Index (AEI).

➢ The details regarding 'action taken to cater to the special needs of slow/medium/fast learners' are maintained at the department level by the concerned faculty.

➢ There is a reduction in the percentage of fast learners as compared to previous year which may be due to the fact that stricter measures are being used by the faculty while identifying fast learners, as compared to the post COVID year.

➢ However, more deliberation on this point is needed to avoid any arbitrariness or casualness existing in identifying the learners in different categories.

Submitted for information and necessary action

(Dr. Manjaree Pandit)
Dean Academics

(Dr. R.K. Pandit)
Director

The approved mechanism for addressing slow/fast learner needs consists of:

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)

Item 19: To report about the process of regular Faculty Appointment to maintain the FSR as per NAAC/NBA/AICTE requirement

➢ As per the NAAC peer team recommendations, Institute has started the process to increase number of regular faculty.

➢ **The total 65 faculty positions (Associate and Assistant Professor) were advertised through recruitment notification No. Advt./HR/2023/1 dated 05/09/2023 and Advt./HR/2023/2 dated 05/10/2023.**

Details of Recruitment Notification:

Sr. No.	Recruitment Notification No.	Date of Notification on Institute website	Date of Notification on News Paper
1	Advt./HR/2023/1	05/09/2023 , https://web.mitsgwalior.in/	➢ **Published on 13.09.2023 in the Times of India News Paper (All Edition)** ➢ **Published on 06.09.2023 in the Dainik Bhaskar News Paper**
2	Advt./HR/2023/2	05/10/2023, https://web.mitsgwalior.in/	➢ **Published on 10.10.2023 in the Hindustan Times News Paper (All Editions)**

Number of Vacancies Advertised: Applications were invited for the regular position of Assistant Professor/ Associate Professor in the following Disciplines/Level:

Notification Number: Advt./HR/2023/1: Total Vacancy advertised-52

Sr. No.	Discipline/ Area/ Field/ Level	Vacancy								Training & Placement Officer
		Assistant Professor				Associate Professor				
		AICTE VII Pay Matrix: Level-10/57700-182400				AICTE VII Pay Matrix: Level-13A1/131400-217100				AICTE VII Pay Matrix: Level-10/57700-182400
		ST	SC	OBC	UR	ST	SC	OBC	UR	Open
1.	Electrical Engineering	--	--	--	--	01	01	--	--	--
2.	Computer Science & Engineering	02	01	01	05	01	--	--	--	--
3.	Electronics Engineering	01	01	01	04	01	--	01	--	--
4.	Electronics & Telecommunication Engineering	--	01	01	02	--	--	--	--	--
5.	Electrical Engineering (Internet of Things)	01	--	01	01	--	--	--	01	--
6.	Computer Science and Design	01	01	01	01	--	--	--	--	--
7.	Information Technology	--	--	--	--	--	--	--	01	--
8.	Information Technology [Internet of Things (IoT)]	01	01	--	02	--	--	--	--	--
9.	Information Technology (Artificial Intelligence and Robotics)	01	01	01	01	--	--	--	--	--
10.	Artificial Intelligence (AI) and Data Science	--	01	--	02	--	--	--	01	--
11.	Artificial intelligence and Machine Learning	01	--	01	02	--	--	--	01	--
12.	Management	--	--	--	--	--	--	--	01	
13.	Institute Level	--	--	--	--	--	--	--	--	01

Notification Number: Advt./HR/2023/2: Total Vacancies advertised-13

Sr. No.	Discipline/ Area/ Field	Vacancy							
		Assistant Professor				Associate Professor			
		AICTE VII Pay Matrix: Level-10/57700-182400				AICTE VII Pay Matrix: Level-13A1/131400-217100			
		ST	SC	OBC	UR	ST	SC	OBC	UR
1.	Architecture	02	01	--	01	--	--	--	--
2.	Physics	01	--	--	01	--	--	--	--
3.	Chemistry	01	--	01	--	--	--	--	01
4.	Mathematics	01	01	--	01	--	--	--	--
5.	Humanities	--	--	--	01	--	--	--	--

Schedule of Interview: The Interview for the position of Faculty (Assistant Professor/Associate Professor) & TPO against the recruitment notification No. Advt./HR/2023/1 dated 05.09.2023 and Advt./HR/2023/2 dated 05/10/2023 will be conducted w.e.f. 28.01.2024 onwards.

Item 20: To report about the call for empanelment of off-campus faculty

— As per NEP-2020 strategic Implementation plan, applications are invited from the alumni of Institute, worked/working in Industry / organizations of Government and other public sectors with rich experience & inclination towards teaching and academics, having interest and passion to provide Internship/ mentoring/guidance/teaching support to students of MITS.

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EMPANELMENT OF OFF-CAMPUS FACULTY

Applications are invited in prescribed format from the alumni of Institute, worked/working in Industry / organizations of Government and other public sectors with rich experience & inclination towards teaching and academics, having interest and passion to provide Internship/ mentoring/guidance/teaching support to students of MITS.

The Contact Hours, Honorarium for Off-Campus Faculty will be as per approved norms of Institute as per nature and duration of engagement. For further details, please visit Institute website www.mitsgwalior.in.

The application can be submitted to the office of Director, Madhav Institute of Technology & Science, Gwalior through Hard or Soft Copy to director@mitsgwalior.in with the subject line as "Application for the empanelment of Off-Campus Faculty".

These faculty positions will aspire you to contribute to the development of ecosystem for Entrepreneurship, Innovation and Start-up and to prepare job ready professionals.

(Dr. R. K. Pandit)
Director

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Item 21: To report about call for the engagement of Research Assistants for Full time Ph.D. Fellowship under Research Assistantship scheme of the Institute

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Notification For Research Assistantship

Online applications are invited for the engagement of Research Assistants for Full time Ph.D. Fellowship under Research Assistantship scheme of Institute. Please visit the institute website www.mitsgwalior.in for detailed information.   **Director**

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Research Assistantship Scheme of Institute

Eligibility Criteria	• The full time **Research Assistantship (RA)** can be provided to candidates with P.G. qualification in Engineering and Technology on the basis of (i) GATE score card or (ii) written test conducted by the institute, provided that they are not getting salary/financial assistance from any other funding agency. • Selection will be done on the basis of merit.
Fellowship Amount	• Rs. 25,000/- per month, consolidated will be paid to Research Assistants. • An amount of Rs. 30,000 /- per month, consolidated will be paid to Research Associates (those candidates who **have published minimum 02 papers in Scopus/SCI journals with affiliation of MITS).**
Tenure	• Maximum period of three years duration subjected to required performance • Further extension may be provided on the basis of performance, publication (with affiliation to MITS) and other criteria • Research Assistantship/absorption does not guarantee for employment/absorption at any level.
Leave and other benefits	• The RA will get 12 days leave in an academic year with maximum 03 days in one quarter. • The RA will be treated as on duty when permitted for attending technical events such as conferences/workshops etc., provided AC Three Tier train fare, registration fee, for attending such events, as per Institute norms and subjected to availability of funds & prior permission of the competent authority. • The RA will be eligible for Innovative Research Scheme (IRS) of the Institute with co applicant as regular faculty of the Institute.
Timings /Duties	• Selected candidates will be required to follow Institute timings and 6 working days per week. • The RAs will have to register for Ph.D. programmes of the affiliating university under the supervision of their mentors at MITS research centre. • RAs will be given a teaching load/assignment of 08 hours per week as **per existing Institute norms.** • **This teaching load could include tutorials/laboratory courses, lab development/maintenance, assistantship in research & development activities undertaken by faculty members etc.** • **Selected Research Assistants/Associates will also look after the designated laboratories of the department/Institute.**
Performance Evaluation	• A Six monthly review will be conducted by a duly appointed committee/Research Committee to evaluate the performance of the candidate. • Every six months at least one paper should also be communicated /published in Journal/**Conference and proof of acceptance of the same for continuing the fellowship.** • **Fellowship will automatically discontinue in case of non publication in Journals/Conferences.**

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Number of fellowships	• Limited number of fellowships will be given subject to availability of fund. • The decision taken by the competent authority of Institute will be final.
Other norms	• The financial support provided by the institute should be acknowledged in all publications by the **Research Assistants.** • Above mentioned financial assistance will be given to deserving candidates subjected to the availability of the funds and recommendations of the committee constituted by the director.
Application Procedure	• Eligible candidates may apply for Full Time Research Assistantship/Research Associates Scheme of Institute on prescribed Proforma available on Institute website along with necessary documents (Proof of Eligibility Criteria, GATE score card etc.) to the office of the Director, Madhav Institute of Technology & Science, Gola Ka Mandir, Gwalior-474005 on or before prescribed date and time in A4 size envelope. • The envelope containing application form must be super scribed **"Application for the FULL TIME Research Assistantship/ Research Associates (RA) Scheme"** in the Discipline/Field of "…………………………………" • The candidates are required to visit institute website regularly to know more about date of the written test and other updates.
Selection Procedure	• Selection will be based on academic/research record and performance in interview on the recommendations of duly appointed committee/Research Committee. • Preference will be given to GATE qualified candidates and for those candidates who are engaged in multidisciplinary research. • **The candidates who are not GATE qualified, will need to appear in written test conducted by the institute.** • The Institute reserves the right to call only short listed candidates for the interview. • The list of short listed candidates called for Interview will be notified on Institute website. • No separate call letters for Interview will be sent to the applicants. • Mere submission of application does not entitle any candidate for engagement as RA.
Declaration of Result	Result will be declared on Institute website http://www.mitsgwalior.in on notified date. Copy of result will also be available in the concern department. No separate intimation will be sent to the applicants.
Note:	(i) **Research Assistance is presently offered in Energy Systems, Electrical Engineering, Mechanical Engineering, Electronics Engineering, Computer Science & Engineering, Information Technology, Artificial Intelligence, Data Science/analysis, Machine Learning, IoT and Financial Management.** (ii) The selected candidates shall have to submit the Affidavit (Annexure-I) as per the prescribed format on Rs. 100/- stamp paper. (iii) Application completed in all respect along with necessary documents, should reach to the office of **The Director, Madhav Institute of Technology & Science, Gola ka Mandir, Gwalior-474005** on or before **8th January 2024.**

DIRECTOR

Item 22: To review the gender sensitization activities in the institute

S. No.	Name of Activity	Period From	Period To	Number Of Participants		External Resource Person
				Male	**Female**	
1.	Panel Discussion on "Gender Neutral Washrooms"	21/08/23	25/08/23	64	61	No
2.	Scholar's Assembly	07/10/23	07/10/23	13	15	Yes
3.	Workshop on "Role of Engineering Students in Gender Sensitization"	29/11/23	29/11/23	178	90	Yes

Item 23: Other Matters

— The Director Dr. R.K. Pandit informed the members that digital cameras are installed in the examination halls since December 2023 for supervision and monitoring, to ensure smooth conduction.

— The members were informed that the institute will be hosting the two-day 39th M.P. Young Scientist Congress and Science Mela on 21st and 22nd February.

— Member, Shri Suresh Kalra, alumni and industrialist, suggested that courses from emerging area and need based training can be provided by the institute for the benefit of both stakeholders.

— The respected member also suggested that a mechanism to start research programmes with industry support can be put in place.

— Flex and banners can be displayed for creating awareness about mental health issues and warning signs for early identification and counselling of such cases.

— Separate meetings and initiatives can be scheduled exclusively for monitoring quality initiatives such as

   o boosting start-up ecosystem
   o industry connect
   o gender sensitization
   o Student counselling mechanism
   o Development of protocol for student counselling
   o Mechanism for handling needs of slow-fast students etc.

Dr. Pratesh Jayaswal)
Coordinator IQAC
Date: 22.12.2023

(Dr. R. K. Pandit)
DIRECTOR