I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

<u>Minutes of the Internal Quality Assurance Cell (IQAC) meeting on 28th September 2022</u>

The meeting of the Internal Quality Assurance Cell (IQAC) was held on **28th December 2022** at 11.30 am in the Convention Hall of the institute. The meeting was chaired by **Dr. R. K. Pandit**, Director of the Institute. Following have attended the Internal Quality Assurance Cell (IQAC) meeting:

Chairperson - Dr. R.K. Pandit, Director

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

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

Teachers-
1. Dr. Manjaree Pandit, Professor Electrical Engineering & Dean Academics
2. Dr. Manoj Kumar Gaur, Professor & Head, Mechanical Engineering
3. Dr. Akhilesh Tiwari, Professor & Head, Information Technology
4. Dr. Vandana Vikas Thakre, Associate Professor, Electronics Engineering
5. Prof. Prabhakar Sharma, Assistant Professor & Dy. Registrar
6. Prof. Praveen Bansal, Assistant Professor, Electrical Engineering
7. Prof. Pooja Sahu, Assistant Professor, Electronics Engineering

Administrative Officers-
1. Shri D. Gorakpuri, Finance cum Account Officer
2. Shri Atul Chauhan, Programmer

Nominees from Local Society, Students and Alumni -
1. Dr. Keshav Pande, Local Society, Journalist
2. Dr. Nameesh Miglani, General Secretary, Sunrise Technical Education Promotional Society*
3. Ms. Shikha Gupta, Director(HR) Schneider Electric, Bangalore *

Student Representative-
1. Mr. Mihir Nighojkar*
2. Ms. Ikshita Trivedi

Attended through online mode

Item. 1: To confirm the minutes of the IQAC meeting on 30th June, 2022

- *The report on recruitment of regular faculty for quality enhancement (during 2020-2021 & 2021-2022) was presented.*
- *The Result of final year graduating batch 2018-2022 along with grade-wise summary was reviewed.*

- *The report the achievement of the NPTEL LOCAL CHAPTER, MITS, GWALIOR which has secured 2nd Rank at all India level in Jan-April 2022 was presented and compared with the previous year performance.*

- *The Coursera campus usage report was also tabled.*

- *The placement report of 2021 and 2022 graduating students was presented. Placement record (number of companies, offers, packages etc.) of Last 04 Years were compared.*

- The *Review of conduction of full VIII semester internship/project data for 2022 Graduated batch, with branch-wise, stipend-wise analysis was conducted.*

- *The conversion of VIII semester internship offers into job placements was reviewed.*

- *The new initiative taken for conduction of faculty feedback through the IMS mechanism was reported.*

- *Appreciation given to faculty based on their feedback index for Session-Jan to June, 2022 was reported.*

- *The action taken report on specific student comments received during the feedback process*

- *The Examination Conduction Report (May-June 2022) and steps to be taken for quality assurance were discussed.*

- *The Report on computation of Administrative Efficiency Index (AEI) for January-June 2022 session was presented.*

- *The IQAC was apprised about counselling sessions conducted by the institute Counsellor.*

- *The review and analysis of the evaluation mechanism developed for the Professional Development at Final Year level was carried out.*

- *The Initiative to conduct in-house 'Skills Enhancement Program' (SEP)-2022 for the pre-final year students was discussed.*

- *The new initiative taken for providing in-house Research Internship opportunity under institute faculty mentors for pre-final year students from June 2022 was reported.*

- *The IQAC was apprised about the conduction of online Workshop on "MMTLP" as a step towards implementation of NEP-2020*

- *The review the student club/professional society chapter activities conducted during year 2021-2022 was conducted.*

- *The review the brief Report of Online Classes (I, II and III Year Students: & II and III Year (Session Jan -June 2022) was conducted.*

- *The report on hosting the Hackathon-2022 at the institute was presented.*

- *The report on the initiative taken to convert the present institute website to Role Base Access Control (RBAC) was presented.*

- *The IQAC was briefed about the visit of renowned personalities and their interaction with students*

- *The initiation of the 'Alumni Management Portal' was reported.*

- *The Internship monitoring and mid-term evaluation mechanism was reviewed.*

- *The proposal for 'Best Research Paper' award for the students at UG and PG level was tabled.*
- *The new initiative taken to conduct a semester closing program was reported.*
- *The monitoring of teaching-learning-evaluation through question paper analysis was reported.*
- *The initiative taken to increase the faculty competencies in the upcoming areas was reported.*
- *The IQAC was briefed about the initiative taken towards joining the ICAO TRAINAIR PLUS PROGRAMME as a Corporate Partner.*
- *The report on MoU with Madhya Pradesh Police Training Research Institute, Bhopal was presented.*
- *The sanction of 2-day NAAC sponsored seminar on "Curriculum Development for the effective implementation of NEP-2020" on 3rd -4th September 2022*
- *The reporting about institutional publications and patents of last 3 years was discussed.*
- *The implementation and monitoring of the mentor-mentee scheme of the institute was discussed.*
- *The report on evaluation of NEC offered for the IV semester students was reviewed.*
- *The IQAC was briefed about the action taken for environmental protection through re-iteration of plastic ban in the campus post COVID*
- *The sanction of 300kWp rooftop solar power plant in the institute under the RESCO model was reported.*
- *The report about conduction of Youth Festival on 2nd May, 2022 was presented.*
- *The IQAC was apprised about the initiatives to promote innovation, incubation and start-up activities in the Institute*
- *The status of 'Academic Bank of Credit' system implementation in the Institute was reviewed.*
- *The report of the Gender Sensitization Activities for Jan-June 2022 was reviewed.*

The members unanimously approved and confirmed the minutes of the previous meeting on 30th June 2022.

Item. 2: To present the report of the semester closing programme {Notice no. 1487 dt. 25/05/2022}

— The objectives of conducting this programme were:
— **To prepare the students in advance for the next semester** so that the summer break can be effectively utilized for achieving their learning and career goals
— **To establish** a better understanding and connect between faculty and students

S. No.	Department	Date	Year	No. of Students
1.	Civil Engineering	14/06/2022	II	27
2.		24/07/2022	I	69

3.	Mechanical Engineering	01/07/2022	II	56
4.		09/07/2022	III	36
5.	Automobile Engineering	01/07/2022	II	14
6.		08/07/2022	III	18
7.	Electrical Engineering	08/07/2022	I	45
8.			II	80
9.			III	82
10.	Internet of Things-Electrical Engineering	08/07/2022	I	34
11.	Electronics & Electronics Telecommunication Engineering	03/06/2022	II	102
		06/06/2022	III	142
12.	Engineering Mathematics & Computing	24/05/2022	II	53
13.	Information Technology	17/06/2022	I	40
14.	• Internet of Things	16/6/2022	I	44
15.	• Artificial intelligence and robotics	12/06/2022	I	62
16.	• Artificial intelligence & Machine Learning	16/06/2022	I	65
17.	• Artificial intelligence & Data Science	16/06/2022	I	41
18.	• Information Technology	21/06/2022	II	46
19.	• Internet of Things	21/06/2022	II	37
20.	• Artificial intelligence and robotics	26/06/2022	II	12
21.	• Information Technology	20/06/2022	III	46
22.		18/07/2022	I	24
23.	Architecture	03/06/2022	II	18
24.		03/06/2022	III	23
TOTAL				**1216**

The details report is enclosure- I

Item 3: Initiative to enhance faculty competencies in upcoming areas: Faculty Training in Data Science

— The IQAC was informed in the meeting dated 30.06.2022 about the initiative taken to increase the faculty competencies in the upcoming areas such as Data Science etc. vide **Item no 29**.

— Looking at the present need of the job market, two courses on (i)Artificial Intelligence & Machine Learning (ii) Data Science were developed by the faculty of the CSE & IT departments to train the faculty of the other departments.

— These courses are offered for all the students at III-year at V & VI semester level respectively from the 2022-2023 session.

— The details of faculty training in this regards are:
  o Training in 'Data Science' from 11th to 16th July to 19 faculty members
  o Training in 'Project Management and Financing' from 11th to 15th July to 19 faculty members

Faculty members nominated by the Departments for the training

Madhav Institute of Technology & Science, Gwalior-474 005

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Ref. No. 1179

Date: 07.07.2022

ORDER

Following faculty members are required to attend the in-house training module on "Data Science", as nominated by respective HoDs

S. No.	Name of Faculty	Department
1	Dr. Chayan Gupta Dr. Abhilash Shukla	Civil Engg.
2	Prof. Vaibhav Shivhare Dr. Ashish Agrawal Dr. Nitin Upadhayay Prof. Ajay Singh Rajput	Mechanical Engg./ Automobile Engg.
3	Prof Nipun Gupta Prof Saurabh K Rajput Prof Nikhil Paliwal Dr Vikram Prof Kuldeep K Swarnkar	Electrical Engg.
4	Dr. Rahul Dubey Dr. Varun Sharma Dr. Shubhu Kansal Dr. Sushmita Choudhary	Electronics Engg.
5	Dr. Atul Kumar Ray Dr. Minakshi	Mathematics and Computing
6	Prof. Anish P Jacob Dr. Shourabh Singh Raghuwanshi	Chemical Engg.

It is mandatory to attend the said training program which is scheduled from 11th July 2022, as per the attached training plan /schedule.

Venue: IBM Lab, IT Department

The training will be conducted by the following faculty members of IT Department

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

Enclosure: Schedule of training program

(Dr. R. K. Pandit) 7-7-22
Director

Schedule of training in Data Science

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Department of Information Technology

FACULTY TRAINING ON DATA SCIENCE

(i) Course Objectives
To provide the fundamental knowledge of Data Science.
To present the basic representation and exploratory data analysis used in Data Science.
To understand the working of techniques used in Data Science.

(ii) Course Duration: 11 July to 16 July 2022

(iii) Course Contents and mode of delivery:

Day	Time	Course Contents	Faculty Name / Resource person (covering the contents during the programme)	Content specific Mode of Delivery (Lecture cum discussion mode, Demonstration Based mode, Hands on/ Experimentation based mode)
Day 1 (11/07/2022)	11:00 am to 12:00 noon	SESSION 1: Need for data science, benefits and uses, facets of data, data science process.	Dr. Dhananjay Bisen	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Introduction of basics python tool, Setting working Directory, Creating and saving a script file, File execution, removing variables from environment, clearing environment, Commenting script files.	Dr. Bhagat Singh Raghuwanshi Dr. Dhananjay Bisen	Hands on/ Experimentation based mode
Day 2 (12/07/2022)	11:00 am to 12:00 noon	SESSION 1: Data Collection: Getting to know your data, Types of Data, Data collection strategies, Data Pre-processing, Feature engineering, Exploratory Data Analytics.	Dr. Bhagat Singh Raghuwanshi	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Control structures, loop, Functions, data structures: Lists, Arrays, Tuples, Dictionary, Sets, NumPy library.	Dr. Dhananjay Bisen Dr. Bhagat Singh Raghuwanshi	Hands on/ Experimentation based mode
Day 3 (13/07/2022)	11:00 am to 12:00 noon	SESSION 1: Descriptive Statistics: Mean, Standard Deviation, Skewness.	Dr. Dhananjay Bisen	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Introduction to Pandas library.	Dr. Bhagat Singh Raghuwanshi Dr. Dhananjay Bisen	Hands on/ Experimentation based mode

Schedule of training continued..

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Day 4 (14/07/2022)	11:00 am to 12:00 noon	SESSION 1: Inferential statistics: hypothesis testing, probability: probability theory, conditional probability	Dr.Bhagat Singh Raghuwanshi	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Data frame and data frame related operations, Reading Dataset file.	Dr. Dhananjay Bisen Dr.Bhagat Singh Raghuwanshi	Hands on/ Experimentation based mode
Day 5 (15/07/2022)	11:00 am to 12:00 noon	SESSION 1: Data Cleaning and Preparation, Handling Missing Data, Data Transformations, Removing Duplicates, Replacing Values, Detecting Outliers. Supervised learning: Regression, classification	Dr.Bhagat Singh Raghuwanshi	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Work on pandas and sklearn library. Work on linear regression, logistic regression	Dr. Dhananjay Bisen Dr.Bhagat Singh Raghuwanshi	Hands on/ Experimentation based mode
Day 6 (16/07/2022)	11:00 am to 12:00 noon	SESSION 1: Data visualization: Scatter plot, Line plot, Bar plot, Histogram, Box plot, Pair plot. Unsupervised learning: Clustering, Reinforcement learning	Dr. Dhananjay Bisen Dr.Bhagat Singh Raghuwanshi	Lecture cum discussion mode
	02:00 pm to 04:00 pm	SESSION 2: Work on matplotlib and seaborn libraries work on naïve bayes theorem, K-nearest neighbor algorithm.	Dr.Bhagat Singh Raghuwanshi Dr. Dhananjay Bisen	Hands on/ Experimentation based mode

(iv)   **Course Outcomes:**

The participants will be able to:
- define different Data Science techniques.
- understand different TOOL used for Data Science technique.
- apply data visualization techniques to solve real world problems.
- build exploratory data analysis for Data Science methods.
- build Data Science techniques for solving real world problems.
- evaluate the performance of algorithms in data science.

Item 4: Initiative to increase the faculty competencies in Project Management and Financing by the Civil Engineering Faculty

— A similar initiative was taken by the Department of Civil Engineering to train faculty members of other departments in the area of 'Project Management and Financing'.

— This course is introduced as a 'Mandatory Audit Course' for the III year students.

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Ref. No. 1203

Date: 08.07.2022

ORDER

Following faculty members are required to attend the in-house training module on "Project Management & Financing", as nominated by respective HoDs.

S. No.	Name of Faculty	Department
1	Dr. Jayvant Chaudhary Dr. Hemant Shrivatava	Civil Engineering
2	Prof. Vedansh Chaturvedi Prof. Utkarsh Shrivastava	Mechanical Engineering/ Automobile Engg.
3	Prof Praveen Bansal Prof Ankit Tiwari Dr Vijay Bhuria	Electrical Engg.
4	Dr. Deepak Batham Dr. Hemant Choubey	Electronics Engg.
5	Dr. Ranjeet K Singh Prof. Jaimala Jha	Computer Science & Engg
6	Dr. Nidhi Saxena Dr. Pawan Dubey	Information Technology
7	Dr. Divya Chaturvedi Dr. J. K. Muthele	Mathematics & Computing
8	Prof. Swati Gupta Dr. R.K.Dubey	Chemical
9	Ar. Ankit Kumar Ar. Pranshi Jain	Architecture

It is mandatory to attend the said training program which is scheduled from 11th July 2022, as per the attached training plan /schedule.

Venue: Seminar Hall-01

The training will be conducted by the following faculty members of Civil Engg. Department.

1. Prof. R Kansal
2. Prof. Archana Tiwari
3. Prof. Sanjay Tiwari

Enclosure: Schedule of training program

(Dr. R. K. Pandit) 8.7.22
Director

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Schedule of training in 'Project Management and Financing'

Civil Engineering Department

Faculty Training on Project Management & Financing   Subject Code – 1000005

Course Objectives:

- To know about project, its attributes and essentials of project planning.
- To develop the project network.
- To take rational decisions using project networks for successful completion of the projects.
- To decide about rational utilization of resources in project.
- To have an elementary idea of finances involved in a project and managing it.

Day	Time	Course Contents	Faculty Name Resource person	Content specific mode of Delivery
Day 1 (11/07/2022)	11:00 AM to 12:00 noon	**SESSION 1 :** **Project Planning:** Project Planning: Introduction to Project Management, Difference between Project and Production.	Dr. Sanjay Tiwari	Lecture cum discussion mode
	02:00 PM to 04:00 PM	**SESSION 2 :** Attributes of a Project: Time, Cost, Quality and Safety. Stakeholders of a Project, Project life cycle. Project Planning: Types of Project Plans and feasibility.	Dr. Sanjay Tiwari	Lecture cum discussion mode
Day 2 (12/07/2022)	11:00 AM to 12:00 noon	**SESSION 1 :** **Project Network logic:** Project Networking and work flows, Activity duration and methods of estimating activity duration – One time estimate three time estimates, Duration estimation procedure. Use of Bar Charts, Mile stone charts and networks.	Dr. Sanjay Tiwari	Lecture cum discussion mode
	02:00 PM to 04:00 PM	**SESSION 2:** Network representation schemes: Activity on Arrow and Activity on Node Networks (A-o-A & A-o-N), Logic behind developing project network and simple network calculations, Critical paths and floats.	Dr. Sanjay Tiwari	Lecture cum discussion mode
Day 3 (13/07/2022)	11:00 AM to 12:00 noon	**SESSION 1 :** **Decision making through networks: CPM, PERT & PDM:** Use of network in Decision Making: Importance of critical path, Monitoring the progress and updating the project plan. Use of floats in Resource smoothening.	Dr. Sanjay Tiwari	Lecture cum Hands on Computations using simple hand calculation
	02:00 PM to 04:00 PM	**SESSION : 2** Introduction to Precedence Diagramming Method (PDM), Different lag and lead relations in terms of SS(Start to Start), SF (Start to Finish), Finish to Start(FS), and Finish to Finish(FF) and composite relations.	Dr. Sanjay Tiwari	Lecture cum Hands on Computations using simple hand calculation

Day 4 (14/07/2022)	11:00 AM to 12:00 noon	**SESSION 1 :** **Project Cost Control:** Project Cost Control; Breakeven analysis in planning stage, Direct and indirect cost, slope of direct cost curve, Total project cost and optimum duration.	Prof. Archana Tiwari	Lecture cum discussion mode
	02:00 PM to 04:00 PM	**SESSION 2 :** Contracting the network for cost optimization. Escalation & Variation in prices.	Prof. Archana Tiwari & Dr. Sanjay Tiwari	Lecture cum Hands on Computations using simple hand calculation
Day 5 (15/07/2022)	11:00 AM to 12:00 noon	**SESSION 1 :** **Projects Financing:** Projects Financing: Introduction to project financing; Role of governments in financing projects, Funder and Concessionaire; Economic multiplier effects of Projects; Means of financing-public finance and private finance. Granting authority: World Bank Group, IMF, ADB, Micro and Small Enterprises Funding Scheme (MSME).	Prof. R. Kansal	Lecture cum discussion mode
	02:00 PM to 04:00 PM	**SESSION 2 :** Elementary understanding of Procurement of infrastructure projects through Public Private Partnership (PPP) route, Build Operate Transfer (BOT), Build Operate Own & Transfer (BOOT); Stakeholders' perspectives, Lifecycle of PPP projects, Micro & Macro economics concepts and its application in Project Financing.	Prof. R. Kansal	Lecture cum discussion mode

Course Outcomes

Upon completion of the course, the students will be able to:
CO 1: Know the attributes of project and its different phases.
CO 2: Develop the project network based on WBS and estimation of activity durations
CO 3: Analyze the project network and make decide the various alternates.
CO 4: Evaluate the optimum cost of project for assigned deadlines.
CO 5: Understand the different options to arrange the finances to complete it within stipulated time

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Item. 5: To report the conduction of Orientation Programmes for II to IV year students

— The institute has a practice of conducting 'Orientation Programme" for the students on the first day of each session.

— The idea is to brief them about the curriculum, OBE, remedial classes, minor/honours degree requirements, NPTEL courses, DEs/OCs and all such activities and provisions that the institute offers for the students. **Sample of notice circulated with guidelines is enclosed her**e.

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Ref: DA/MP/22/ 1529   Date: 25.07.2022

NOTICE

Subject: Orientation of students of II-IV year & formation of student committees for enhancing effectiveness of all practices

Reference Notice No. DA/MP/18/693 dated 04/07/2018

The institute follows the practice of conducting orientation programs for II-IV year students at the Department level.
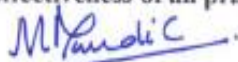
This year the orientation activity must also include (i) Special provisions of flexible curriculum and NEP-2020 (ii) Importance of integrity, ethics & institute guidelines for plagiarism (iii) Importance of internship, in addition to

1. An introduction to OBE by OBE coordinators (What are CO, PO, PEO)
2. Introduction to the relevant Schemes/Courses/Evaluation Process Curriculum & various electives
3. Evaluation procedure for 'proficiency', assessment rubrics for laboratory courses
4. Passing criterion in NPTEL courses, regular submission of assignments
5. Importance of feedback on (CO, PO, Faculty feedback, Curriculum) in quality improvement
6. Importance of attending weekly special classes for remedial purpose
7. Need for participation in student chapter, club activities etc. for students' overall development
8. Importance of taking part in technical activities outside institute/submission of such documents to class coordinator
9. Procedure for assigning minor projects/internship projects to students
10. One session on examinations
11. Any other information which the department feels is required to be clarified to the students to avoid complications and issues later (Regarding attendance, mid-term tests, weekly quizzes tips for faring well in examination etc.)

The HoDs are requested to submit the report of the orientation activity to the undersigned before 16th August 2022.

Class	Time	Topic	Faculty

It is advised that <u>Department/class level students committees</u> may be nominated by HoD/Class coordinator for enhancing coordination with students and enhancing effectiveness of all practices through greater student participation.

(Dr. Manjaree Pandit)
Dean (Academics)

Notice circulated in 2018

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Ref. No. DA/MP/18/ 693   Date: 04/07/2018

NOTICE

Subject: Conduction of a one day orientation to be arranged for the II- IV year students

As discussed in the meeting of the HoDs, a one-day orientation is to be arranged for the II to IV year students to apprise them about various institutional and academic activities of the institute so that they can derive maximum advantage and student awareness and progression can be improved.

This platform can also be used to take informal feedback from students and to improve communication with them.

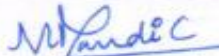The departments must also try to involve students actively in all departmental activities such as alumni interaction.

The following points may be covered during the Orientation Activity for II year to IV year (Preferably on 9th July or in the first week of session).

1. An Introduction to OBE by OBE coordinators
2. Importance of self-learning through SWAYAM
3. Career Opportunities/how to prepare for GATE
4. Importance of feedback on (CO, PO, faculty feedback, Curriculum) in accreditation and quality improvement
5. Importance of attending special classes for remedial purposes
6. Institute MOODLE and the activities on MOODLE
7. Efforts made by institute for students overall development like student chapters, clubs etc.
8. Importance of taking part in technical activities outside institute/submission of such documents to class coordinator
9. Introduction to schemes /Courses/Evaluation Process (II year students should be briefed about the Flexible Curriculum & various electives etc by a suitable faculty member
10. Assigning projects to Final year students based on Industrial/societal needs
11. Importance of internships
12. Any other information which the department feels is required to be clarified to the students to avoid complications and issues later (Regarding attendance, mid-term tests, tips for faring well in examinations etc)

The HoDs are requested to assign these tasks to the suitable faculty member (who can motivate students/departmental coordinators for various activities) and prepare a schedule in the following format.

The schedule and report of the orientation activity must be sent to the undersigned before **20th July 2018**.

Time	Topic	Faculty

(Dr. Manjaree Pandit)
Dean (Academics)

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The summary of Orientation Programme on 01/08/2022

Madhav institute of Technology & Science, Gwalior
(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Summary of II, III & IV Year Orientation Programme (2022-23)

S. No.	Name of Department	Date	Year	Students present
1.	Civil Engineering	01/08/2022	II	28
			III	58
			IV	44
2.	Mechanical/ Automobile Engineering	01/08/2022	II to IV	98
3.	Electrical Engineering	01/08/2022	II	80
			III	43
			IV	27
	Electrical (IoT)	01/08/2022	II	32
			III	36
4.	Electronics & Electronics Telecommunication Engineering	01/08/2022	II	76
			III	140
			IV	112
5.	Computer Science Engineering	01/08/2022	III	26
			IV	13
	Computer Science Engineering, Computer Science Design and M.Tech		II	69
6.	Chemical Engineering	01/08/2022	II & IV	46
7.	Information Technology	01/08/2022	II	18
			III	35
	IT- Internet of Things (IoT), IT- Artificial Intelligence and Robotics	01/08/2022	II	30
			III	55
	IT- Artificial Intelligence and Machine Learning (AIML)		II	22
	IT- Artificial Intelligence and Data Science (AIDS)		II	19
8.	Engineering Mathematics & computing	01/08/2022	II	34
			III	34
9.	MCA Programme	01/08/2022	II	29
10.	Management	01/08/2022	II	29

22/08/2022
Compiled at Dean Academics Office

Submitted for information

Director *22.8.22*

The details report in enclosure-II

Item. 6: To apprise IQAC about an Institutional achievement: becoming ICAO 23rd TRAINAIR PLUS Programme (TPP) Partner in world and the 1st TPP Partner in India.

— In the previous meeting on **30th June 2022, vide Item No. 30**, the IQAC was briefed about the initiative taken towards joining the ICAO TRAINAIR PLUS PROGRAMME as a Corporate Partner.

— Moving a step further, the institute, has now signed an MoU with the **INTERNATIONAL CIVIL AVIATION ORGANIZATION** on **25.08.2022** as Corporate Partner in the **ICAO TRAINAIR PLUS Programme** to offer training in **Air Navigation Services, Aviation**

Management, Air Transport, Environment, Security, Cyber Security, Unmanned aviation, leadership in Aviation, Women leadership, International air law, Regulatory Implementation of ICAO Standards and Recommended Practices (SARPs) and other Innovative & Future Technologies.

— TRAINAIR PLUS Programme (TPP): **Establishment of a network of ICAO-recognized training centres, international organizations, and academic institutions delivering ICAO training.**

— **Areas of ICAO Courses**

- Aerodromes
- Air Navigation Services
- Air Transport
- Aviation law
- Aviation Management
- Environment
- Facilitation
- Flight Safety and Safety Management
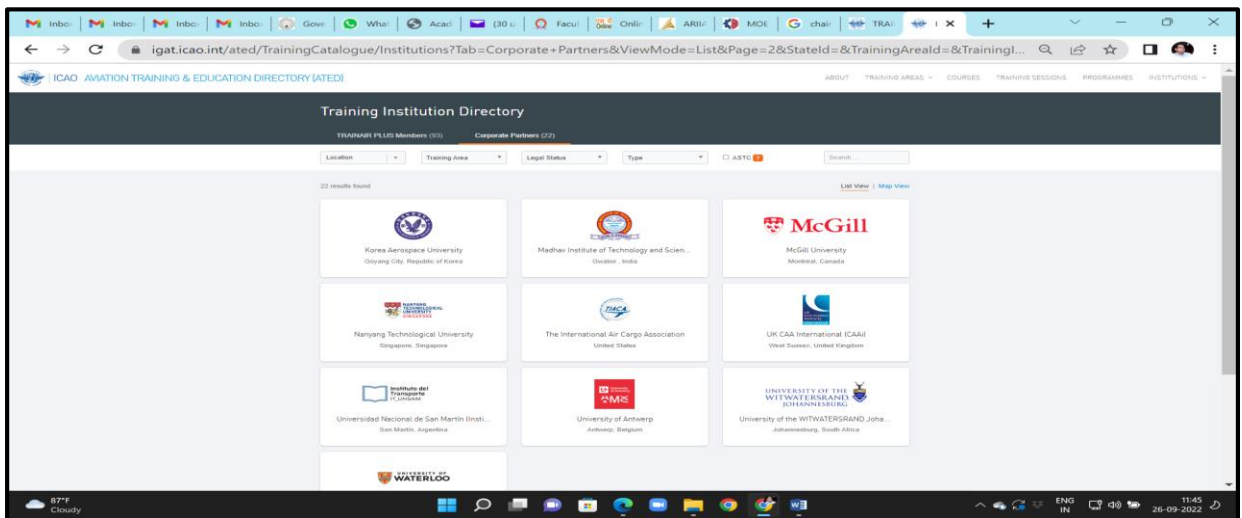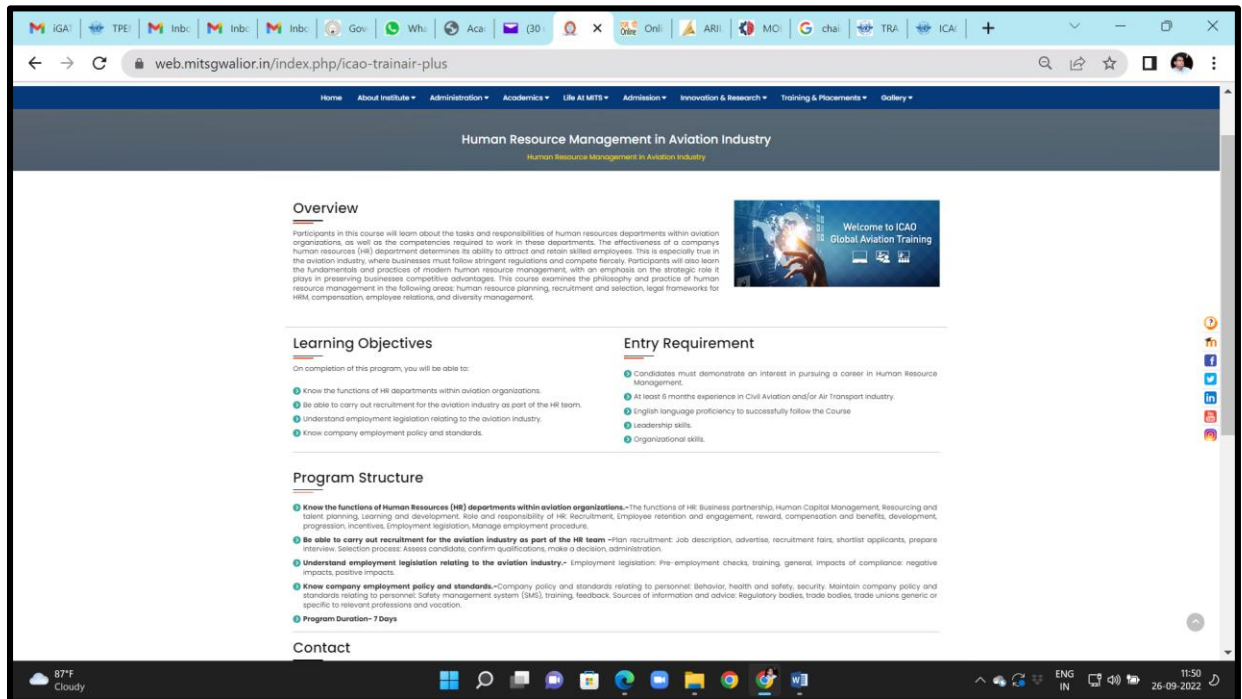- Security
- Training Competency Development

— In line with the aims of ICAO, Institute is starting following certificate programmes under TRAINAIR Plus Programmes to train the air transport personnel to operate, manage and maintain the current and future air transport system at prescribed international standards:
   a) Aviation Intelligence (AI)
   b) Aviation Communication and Navigation
   c) Aviation and Environment (A&E)
   d) Cyber Security in Aviation
   e) Energy System Research: Decarbonizing aviation
   f) Empowering Women to Thrive in Workplace
   g) Human Resource Management in Aviation Industry
   h) Information Asset Security & Management
   i) Women Leadership

— The objective of these Training programmes is to equip and empower aviation professionals with the techniques and tools to thrive in today's challenging aviation sector. These courses engage learners from diverse backgrounds, facilitating relationship building and collaboration across borders.

https://web.mitsgwalior.in/index.php/icao-trainair-plus

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Item. 7: Conduction of courses in collaboration with Industry Expert: 2022-23

— The institute has a practice of involving industry persons for **partial delivery** of a few courses to give industry/practical approach and flavour to the students.

— Notice was circulated with guidelines asking proposals from the departments.

— Twenty industry persons are presently engaged for partially teaching and mentoring students of different departments.

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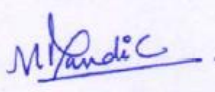Ref. No. DA/MP/2022/ 1528

Date: 14/07/2022

NOTICE

With reference notice no. 1442 dated 08.02.2022 regarding "Conduction of courses in collaboration with industry faculty" detailed proposal along with brief biodata (name, age, qualification, present and past organization, experience, area of work etc) must be sent to the office of the undersigned latest by **29th July 2022 so that requisite financial sanctions can be obtained from the competent authority.**

— Name/code of course to be taught in collaboration
— Portion which will be covered by the industry person
— Lecture plan, mapped with CO/Cos (At least on "course outcome(CO)" should be identified and its attainment to be linked with the session taken by the industry person)

The following are the guidelines for this activity which have been approved by the competent authority:

1. Some practical problems/case studies should be discussed to expose students to real-life situations.
2. Feedback of industry teacher should be taken by the department, FFI to be calculated, once only, at the end of his/her teaching sessions or at the end of the semester and submitted to the Director office along with other faculty FFI.
3. MOODLE page to be created for the industry faculty, Notes/PPTs to be shared with students through it. At least 1-2 quizzes, 01 assignments will also be conducted/given.
4. The institute mentor faculty will help the industry faculty in evaluation, CO attainment and other points.
5. Maximum 8 hours teaching to be assigned to one industry to one industry persons for one course
6. Not more than 2 hours to be assigned in day
7. Lecture plan to be attached along with CO
8. Only online sessions to be scheduled
9. Proof of class to be Maintained by the HoD
10. Total Honorarium bill to be submitted at the end of the semester. Honorarium will be paid as per institute norms (Order n 181 date d07.02.2022)
11. The Honorarium Bill be sent along with the FFI page.

(Dr. Manjaree Pandit)
Dean (Academics)

List of approved Industry Faculty

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Conduction of course in collaboration with industry person

RECOMMENDATION SUMMARY (2022-23)

Name of Department : Civil Engineering

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Er. K.K. Shrivastava	Global Envirment consultancy Services, Indore	B.Tech- V Semester	Water Supply Engineering (110511)	Recommended
2.	Dr. Vinod Vishwakarma Managing Director	Marc Consulting Engineers Private Ltd,	B.Tech- VII Semester	Advanced Structural Design (110713)	Recommended

Name of Department : Mechanical Engineering

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Mr. Nitesh Rai Senior Project Planning Engineer	KENTPLC, Dubai	B.Tech – V Semester	Industrial Engineering (120511 & 190511)	Recommended
2.	Mr. Sumit Kumar Team Leader Design	Valeo India Pvt. Ltd., Chennai	B.Tech – II and V Semester	Software Lab and Machine Design Lab (120315, 190315 & 120515)	Recommended
3.	Mr. Ankit Pandey Data Engineer, Lead Software Engineer	Calirvoyant India Pvt. Ltd. Pune	B.Tech – V Semester	Data Science (120519 & 190519)	Recommended
4.	Er. Ajit Singh Tech. Consultant	Capgemini Engineering	B.Tech – VII Semester	Hybrid Electric Vehicle (190713)	Recommended

Name of Department : Electrical Engineering

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Er. Nikhil Kaushik Director	A.I. Automation Pvt. Ltd. Bhopal	B.Tech (EE-IoT) VSemester	IoT in Microgrid (220501)	Recommended
2.	Er. Shubham Sharma Engineer	General Electric (GE) Transportation, Banglore	B.Tech V Semester	Power Electronics (130514)	Recommended
3.	Er. Aayush Jain Consultant	Pricewaterhouse coopers Private Ltd (PWC) in Energy & Utilities. Gurgaon	B.Tech VII Semester	Electric Vehicles (130715 & 900217)	Recommended

Name of Department : Electronics Engineering

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Mr. Yasho Vijay Singh Yadav Rf & Microwave Engineer	Stertite Technology Limited, Gurugram	B.Tech – VII Semester	Microwave Engineering (140713/200713)	Recommended

Name of Department : Computer Science & Engineering

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Ms. Naincy Jain Senior Engineer	Bharat Electronics, Bangalor	B.Tech – V Semester	Data Science (150511)	Recommended

Name of Department : Information Technology

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Mr. Himanshu Gupta Consultant	SAP consultant in Deloitte, Gurgaon, NCR	B.Tech III Semester	Design & Analysis of Algorithms (270302)	Recommended
2.	Mr. Vaibhav Diwan Java Mentor	NIIT, Bengaluru	B.Tech III Semester	Java Programming (160315)	Recommended
3.	Mr. Varun Dixit Quality Analyst	CDN Software Solution, Indore (M.P.)	B.Tech V Semester	Soft Computing Techniques (160515)	Recommended
4.	Mr. Alok Gupta Principal Engineer	PDG Software India Pvt.Ltd.	B.Tech III Semester	Data Base Management System (230304)	Recommended

Name of Department : Architecture

S.No.	Name & Designation of Expert	Name of Industry	Class	Name of Course	Status
1.	Mr. Amol Sathe BIM Consultant	Own Pune, Maharashtra	B.Arch – III Semester	Graphics- III (210313)	Recommended
2.	Mr. Amit Kakkar Technical Director	Department IT, Govt. of Rajasthan	B.Arch -V Semester	Building Service –II (210516)	Recommended
3.	Ar. Arihant Jain Associate Energy	Modeler at Eide Bailly LLP, Delhi	B.Arch -V Semester	Building Science & Energy Conservation (210517)	Recommended
4.	Mr. Krishan Kumar Mitra Lecturer	Texas State University	B.Arch -VII Semester	Project Management & Building Economics (210703)	Recommended
5.	Ar. Ar. Conrad Gomes Head	SPACONS DESIGN INDIA Pvt. Ltd. Indore	B.Arch -VII Semester	Estimating & Costing and specification (201704)	Recommended

M Pandit
08/09/2022
Dr. Manjaree Pandit
(Dean Academics)

The above 20 industry persons were approved for partially teaching the courses indicated against their names. This is a compilation for records.

Submitted for approval & intimation

(Dr. R.K. Pandit) 12.9.22
Director

Item 8: Review of targets set for credit transfer through MOOCs

— NEP-2020 implementation targets were set in the NEP-Action Plan of the institute approved by the hono'able BoG on 3rd July 2021 as can be seen in the slide below.

— The institute is very happy to share that the institute has exceeded the target set for '**credit transfer to transcripts**' **by 5.6 times**.

—
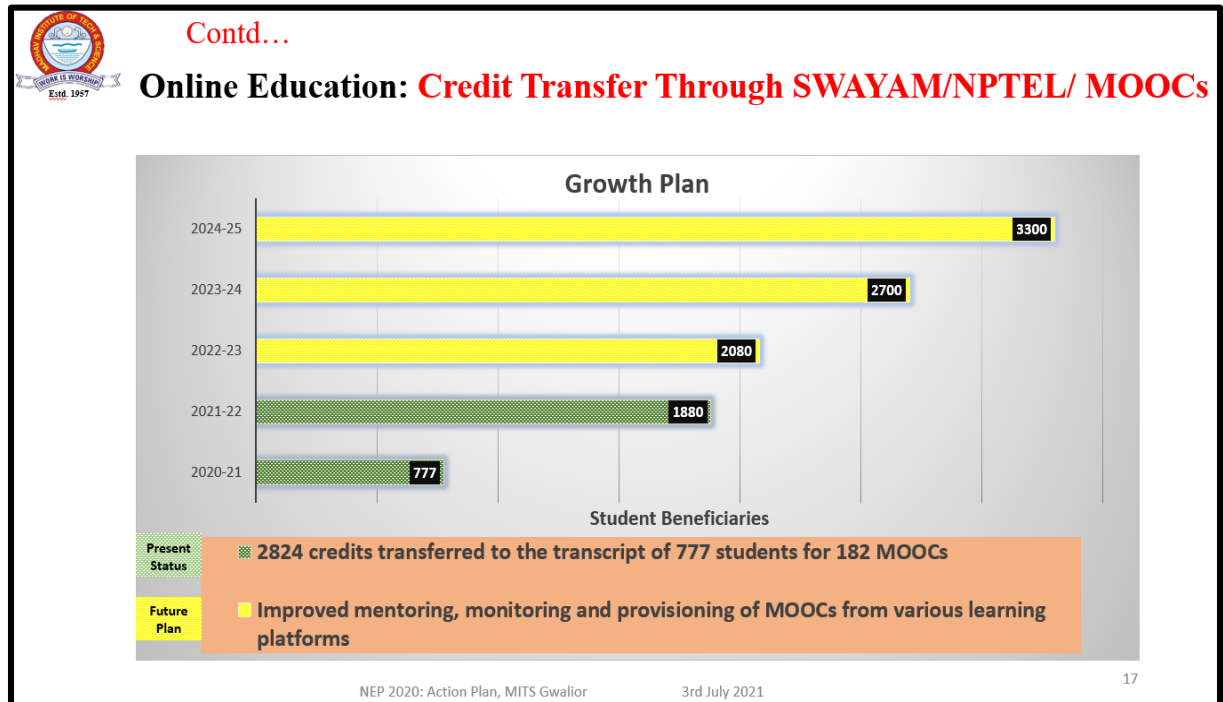
— **2824 credits transferred to the transcript of 777 students for 182 MOOCs in year 2020-2021.**

— **10483 credits transferred to the transcript of 1742 students for 180 MOOCs in year 2021-2022.**

Item 9: To brief the IQAC about daily class monitoring initiated using IMS from 1st August 2022

— The IQAC was briefed that the previous practice of manual attendance monitoring and weekly status compilation using excel sheets has been replaced with an automated report generation system using IMS.

— The new system was launched w.e.f. 1st August 2022.

— The reports can now be generated
  o *day-wise,*
  o *faculty-wise,*
  o *course-wise,*
  o *department-wise and*
  o *overall report for the institute for day, week, month or semester*

— A screenshot is enclosed for the month of August for II year, III year and Final year.

— A screenshot is enclosed for the daily report:

Sample day 20ᵗʰ September 2022
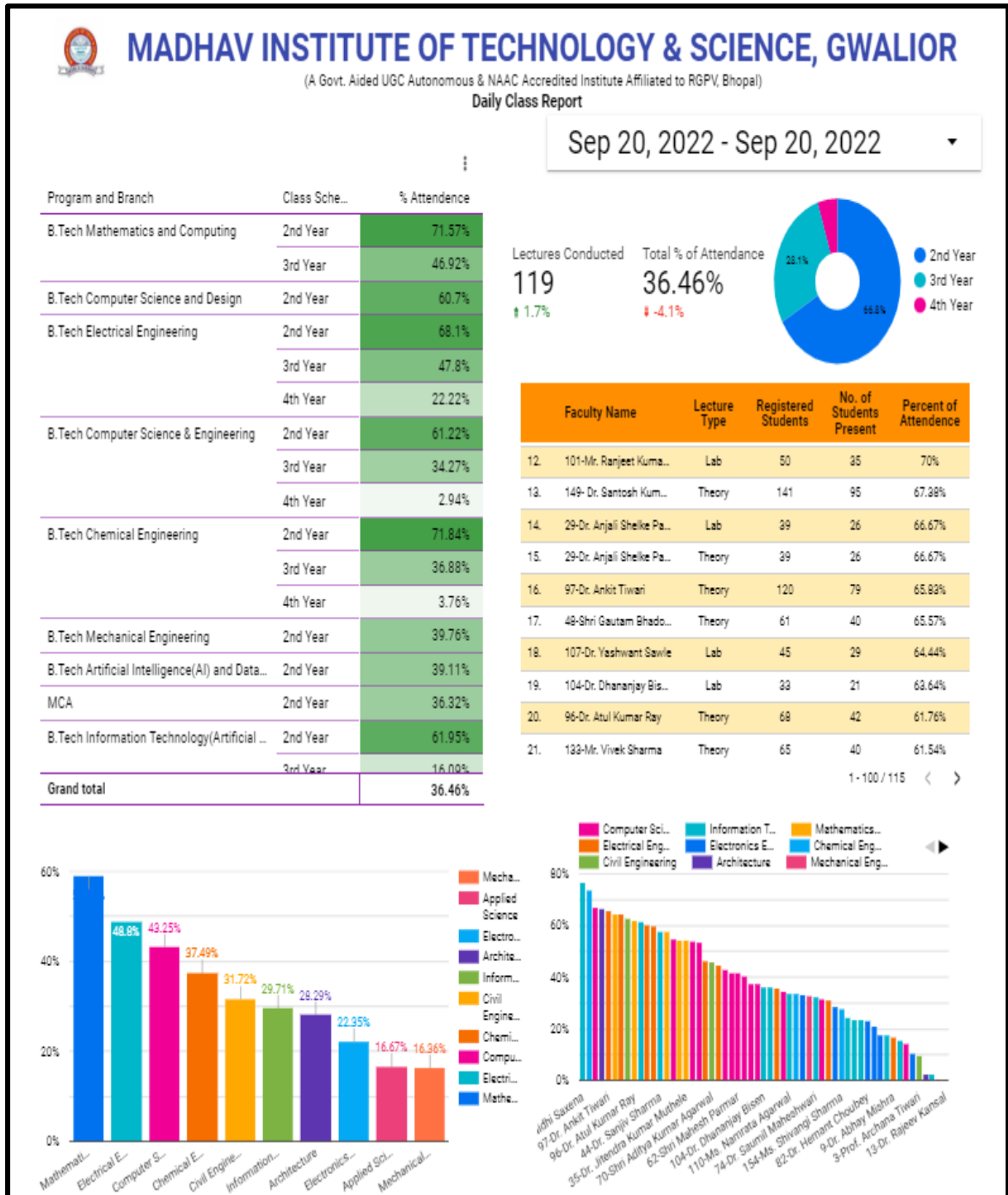
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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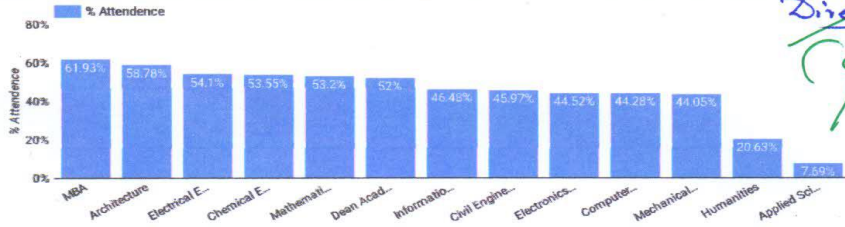
Monthly Class Report

submitted for inform. MP - 06/09/22. Directe 12.9.22

Aug 1, 2022 - Aug 31, 2022 | Class Schedule of Year : 2nd Y... (1) | Department Name

% Attendance
48.43%

Class Schedule of Year	% Attendance
1. 2nd Year	48.43%

Chart (% Attendance): MBA 61.93%, Architecture 58.78%, Electrical E... 54.1%, Chemical E... 53.55%, Mathemati... 53.2%, Dean Acad... 52%, Informatio... 46.48%, Civil Engine... 45.97%, Electronics... 44.52%, Computer... 44.28%, Mechanical... 44.05%, Humanities 20.63%, Applied Sci... 7.59%

Department Name	Class Sc...	Lecture Ty...	Lecture Schedu...	Lecture Condu...	Material Upload...	Lecture recordi...	Assignments	Quiz Conducted	% Attendance
Information Technology/ IO...	2nd Year	Theory	232	224	164	26	76	54	52.22%
		Lab	120	117	76	2	44	7	34.91%
		Mentoring	8	7	4	0	2	4	52.46%
		Total	360	348	244	28	122	65	46.48%
	Total		360	348	244	28	122	65	46.48%
Computer Science & Engine...	2nd Year	Theory	146	146	130	15	53	38	48.11%
		Lab	109	106	61	2	46	1	41.44%
		Mentoring	17	16	2	1	8	2	29.64%
		Total	272	268	193	18	107	41	44.28%
	Total		272	268	193	18	107	41	44.28%
Mathematics & Computing	2nd Year	Theory	194	191	109	19	41	35	53.32%
		Lab	7	7	3	3	3	0	50.56%
		Mentoring	3	3	0	0	2	0	51.47%
		Total	204	201	112	22	46	35	53.2%
	Total		204	201	112	22	46	35	53.2%
Electronics Engineering/ Ele...	2nd Year	Theory	100	98	71	9	23	31	44.17%
		Lab	94	91	29	1	12	38	45.78%
		Mentoring	4	4	2	0	2	2	23.82%
		Total	198	193	102	10	37	71	44.52%
	Total		198	193	102	10	37	71	44.52%
Electrical Engineering/ IOT	2nd Year	Theory	72	71	57	14	48	19	50.68%
		Lab	71	70	39	0	29	7	56.68%
		Mentoring	3	3	0	1	0	0	75%
		Total	146	144	96	15	77	26	54.1%
	Total		146	144	96	15	77	26	54.1%
Architecture	2nd Year	Lab	64	64	3	0	42	2	62.04%
		Theory	38	37	7	0	21	2	53.29%
		Total	102	101	10	0	63	4	58.78%
	Total		102	101	10	0	63	4	58.78%
Mechanical Engineering/ Au...	2nd Year	Theory	52	52	40	6	16	10	42.37%
		Lab	24	22	10	1	3	1	47.68%
		Total	76	74	50	7	19	11	44.05%
	Total		76	74	50	7	19	11	44.05%
Civil Engineering	2nd Year	Theory	43	43	29	2	8	10	47.17%
		Lab	22	21	7	0	2	0	36.7%
		Mentoring	10	10	1	0	0	0	61.2%
		Total	75	74	37	2	10	10	45.97%
	Total		75	74	37	2	10	10	45.97%
Chemical Engineering	2nd Year	Theory	31	31	21	8	9	5	54.53%
		Lab	9	9	7	0	5	2	44.54%
		Mentoring	2	2	0	0	0	0	78.95%
		Total	42	42	28	8	14	7	53.55%
	Total		42	42	28	8	14	7	53.55%

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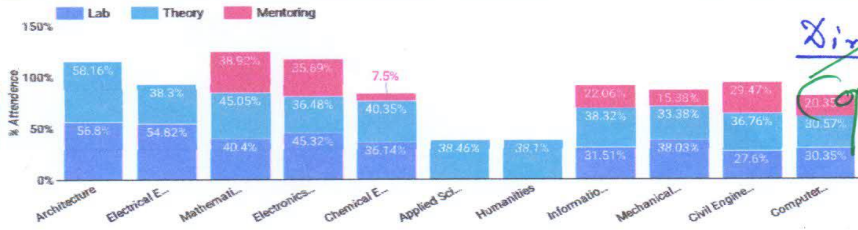
Monthly Class Report

submitted for information.
MK 06/09/22
Director
12-9-22

Aug 1, 2022 - Aug 31, 2022

Class Schedule of Year : 3rd Year (1)

Department Name : Exclude Dean Acade... (1)

% Attendence
38.54%

Class Schedule of Year	% Attendance
1. 3rd Year	38.54%

Chart legend: Lab, Theory, Mentoring

Department Name	Class Sc...	Lecture Ty...	Lecture Schedu...	Lecture Cundu...	Material Uplod...	Lecture recordi...	Assingnments	Quiz Conducted	% Attendance
Information Technology/ IO...	3rd Year	Theory	171	168	129	18	57	40	38.32%
		Lab	111	105	37	2	39	2	31.51%
		Mentoring	12	11	4	0	4	4	22.06%
		Total	294	284	170	20	100	46	35.09%
	Total		294	284	170	20	100	46	35.09%
Electrical Engineering/ IOT	3rd Year	Lab	113	111	34	0	37	14	54.82%
		Theory	77	73	59	10	33	19	38.3%
		Total	190	184	93	10	70	33	48.13%
	Total		190	184	93	10	70	33	48.13%
Electronics Engineering/ Ele...	3rd Year	Theory	118	114	96	16	24	33	36.48%
		Lab	57	55	12	0	11	20	45.32%
		Mentoring	6	6	4	5	0	2	35.69%
		Total	181	175	112	21	35	55	39.24%
	Total		181	175	112	21	35	55	39.24%
Computer Science & Engine...	3rd Year	Theory	119	119	102	31	45	32	30.57%
		Lab	39	35	18	0	22	0	30.35%
		Mentoring	15	15	0	3	4	0	20.35%
		Total	173	169	120	34	71	32	29.63%
	Total		173	169	120	34	71	32	29.63%
Mechanical Engineering/ Au...	3rd Year	Theory	80	79	66	9	13	16	33.38%
		Lab	24	24	19	0	2	0	38.03%
		Mentoring	2	2	2	0	0	0	15.38%
		Total	106	105	87	9	15	16	34.1%
	Total		106	105	87	9	15	16	34.1%
Civil Engineering	3rd Year	Theory	55	53	33	3	17	3	36.76%
		Lab	15	14	5	0	1	0	27.6%
		Mentoring	13	9	1	0	2	0	29.47%
		Total	83	76	39	3	20	3	33.96%
	Total		83	76	39	3	20	3	33.96%
Architecture	3rd Year	Theory	48	48	6	0	25	0	58.16%
		Lab	13	13	2	0	11	1	56.8%
		Total	61	61	8	0	36	1	57.87%
	Total		61	61	8	0	36	1	57.87%
Mathematics & Computing	3rd Year	Theory	40	40	20	3	6	8	45.05%
		Lab	6	5	5	3	2	0	40.4%
		Mentoring	4	3	1	0	0	0	38.92%
		Total	50	48	26	6	8	8	44%
	Total		50	48	26	6	8	8	44%
Chemical Engineering	3rd Year	Theory	31	30	22	7	4	8	40.35%
		Lab	7	7	5	0	3	1	36.14%
		Mentoring	1	1	0	0	0	0	7.5%
		Total	39	38	27	7	7	9	38.76%
	Total		39	38	27	7	7	9	38.76%

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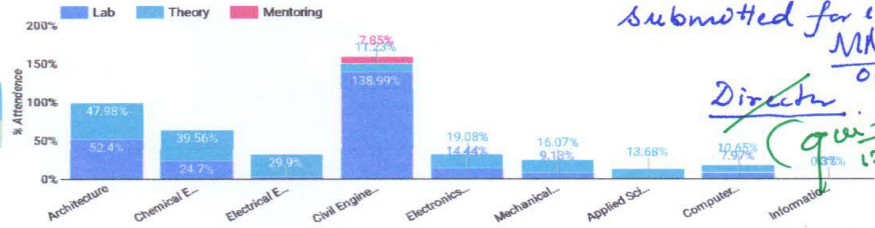
Monthly Class Report

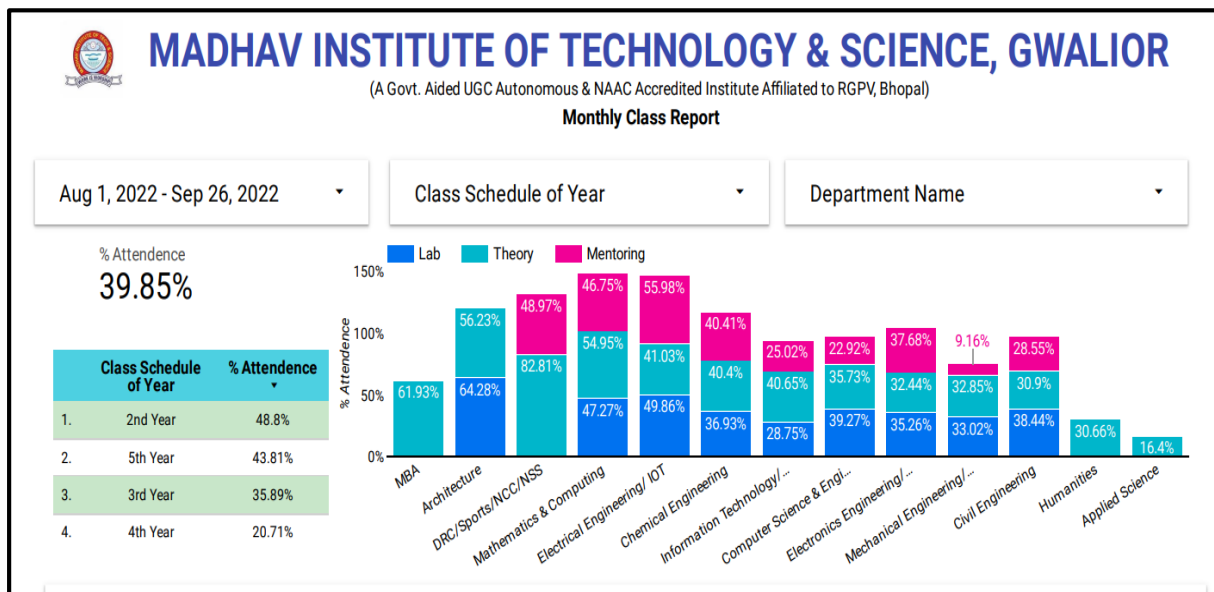| Aug 1, 2022 - Aug 31, 2022 | Class Schedule of Year : 4th Year (1) | Department Name : Exclude Dean Acade... (1) |

% Attendence
21.58%

Class Schedule of Year	% Attendence
1. 4th Year	21.58%

Chart legend: Lab, Theory, Mentoring

Architecture 47.98% / 52.4%, Chemical E. 39.56% / 24.7%, Electrical E. 29.9%, Civil Engine. 138.99% / 11.23% / 7.85%, Electronics. 19.08% / 14.44%, Mechanical. 16.07% / 9.18%, Applied Sci. 13.68%, Computer. 10.65% / 7.97%, Informatio. 0.37%

(Handwritten notes: Submitted for information MND 06/09/2022, Director Gwl 12-9-22)

Department Name	Class Sc...	Lecture Ty...	Lecture Schedu...	Lecture Cundu...	Material Uplod...	Lecture recordi...	Assingnments	Quiz Cunducted	% Attendance
Computer Science & Engine...	4th Year	Theory	67	65	46	4	15	15	10.65%
		Lab	12	9	9	0	1	0	7.97%
		Total	79	74	55	4	16	15	10.25%
	Total		79	74	55	4	16	15	10.25%
Electronics Engineering/ Ele...	4th Year	Theory	59	56	48	3	9	19	19.08%
		Lab	20	20	5	0	0	2	14.44%
		Total	79	76	53	3	9	21	17.91%
	Total		79	76	53	3	9	21	17.91%
Mechanical Engineering/ Au...	4th Year	Theory	50	50	40	7	13	13	16.07%
		Lab	18	13	7	1	5	0	9.13%
		Total	68	63	47	8	18	13	14.23%
	Total		68	63	47	8	18	13	14.23%
Electrical Engineering/ IOT	4th Year	Theory	54	54	51	10	20	17	29.9%
		Lab	12	12	7	1	6	1	3.56%
		Total	66	66	58	11	26	18	25.11%
	Total		66	66	58	11	26	18	25.11%
Architecture	4th Year	Theory	32	32	14	0	21	6	47.98%
		Lab	31	31	1	0	30	8	52.4%
		Total	63	63	15	0	51	14	50.15%
	Total		63	63	15	0	51	14	50.15%
Civil Engineering	4th Year	Theory	50	49	42	4	18	8	11.23%
		Mentoring	7	7	1	0	0	2	7.85%
		Lab	5	4	1	0	0	0	138.99%
		Total	62	60	44	4	18	10	21.15%
	Total		62	60	44	4	18	10	21.15%
Information Technology/ IO...	4th Year	Theory	16	11	0	0	0	0	0.37%
		Lab	5	3	0	0	0	0	0%
		Total	21	14	0	0	0	0	0.28%
	Total		21	14	0	0	0	0	0.28%
Chemical Engineering	4th Year	Theory	11	11	8	5	3	3	39.56%
		Lab	3	3	1	0	0	0	24.7%
		Total	14	14	9	5	3	3	36.37%
	Total		14	14	9	5	3	3	36.37%
Applied Science	4th Year	Theory	10	9	2	1	0	2	13.68%
		Total	10	9	2	1	0	2	13.68%
	Total		10	9	2	1	0	2	13.68%

Sample for institutional status from 1ˢᵗ August to 26ᵗʰ September

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Monthly Class Report

Class Schedule of Year	% Attendance
1. 2nd Year	48.8%
2. 5th Year	43.81%
3. 3rd Year	35.89%
4. 4th Year	20.71%

Item 10: To review the outcome of the initiative taken for providing Research Internship under institute faculty mentors for pre-final year students during June 2022

— In the previous meeting of the IQAC on 30ᵗʰ June 2022, the new initiative taken for providing research internship to students under institute mentor was presented vide Item no 17 as:
  o *Total no. of Faculty offered Research Interns positions: 15*
  o *Total no. of Faculty appointed Research interns: 09*
  o *Total No of pre-final year students with Research Internship: 32*
— **The outcome of the initiative was analysed and presented in the meeting to find out the impact of the scheme**. The status is as follows:
  o *Total no. of Faculty with research interns: 05*
  o *Total No of students groomed for research through Internship: 13*
—**The details are as follows:**

Faculty: Dr. Laxmi Shrivastava, Dept. of Electronics Engineering

Broad Area of Research: Wireless networks

No of Students Interned: 01

S.No.	Enrollment No. of student	Student Name	Topic of work	Any significant achievement
1.	0901EC191120	Suryansh Singh	QualNet 6.0 (Network Simulator)	Learnt the software

Faculty: Prof. Madhav Singh, Dept. of Electronics Engineering
Broad Area of Research: Wireless Communication

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No of Students Interned: 03

S.No.	Name of Student	Topic of work	Any significant achievement or
1.	Rishita Sengar 0901ET191050	Wireless Sensors (Literature Survey)	MATLAB
2.	Rajababu 0901EC203D04	Wireless Sensors (Literature Survey)	Qualnet
3.	Jay Kumar Sahu 0901EE191052	Optimization Techniques for Energy Conservation in wireless networks (Literature Survey)	MATLAB

Faculty: Prof. Saurabh Kumar Rajput, Department of Electrical Engineering

Broad Area of Research: Analyzing Rooftop Solar Photovoltaic Performance

No of Students Interned: 03

SN	Name of student and Roll no	Topic of work	Achievement/ potential shown by student
1	Ankit Kumar Tripathi (0901EE203D03)	Energy Metrics Analysis of 2 kWp Rooftop PV located at MITS Gwalior India.	• Paper presented in international conference (EPREC 2022) organized by NIT Jamshedpur, 27-29 May 2022. • Presented research paper received the Best Research Paper Award for track of PS-5. • Research paper is accepted for publication in the Springer book chapter.
2	Ikshita Trivedi (0901EE191050)	Integration of 100 kWp PV with Low-Voltage Distribution Power System in Composite Climate: Performance and Economic Analysis	• After completion of SEP 2022, they submitted a detailed technical report with identified research gaps. Also they showed interest in doing research in the field of Solar Rooftop PV systems. • Data collection work is going on. • Research paper writing is also going on (Target submission is January- 2023)
3	Abhishek Singh (0901EE191005)		

Faculty: Ms. Bhavna Rathore, Department of Electrical Engineering,

Broad Area of Research: IoT, Microgrid

No of Students Interned: 05

S.No.	Broad Area of Research	No. of Students appointed as an intern	Achievement/ potential shown by student
1	Design and development of IoT application	Ashish Mishra (0901EE191032)	• He has reviewed few papers for having proper understanding in the service provided to the blind person through IoT kit. • He has designed and developed an IoT model on tinkercad to provide assistant to blind person • He has also developed the hardware • He is writing a research paper to submit it in a journal

2	using Arduino	Indrajeet Dangi (0901EE191051)	• He has reviewed few papers in the field of smart irrigation system • He has designed the model in tinkercad but not able to develop hardware as he was parallelly doing the online internship. • He is writing a review paper for a conference.
3		Ravi Baghel (0901IT203D04)	• Initially, he has reviewed few papers in the field of smart home automation system, but left this module and joined an internship in the industry.
4		Yash Jain (0901CS191140)	• Initially, he has reviewed few papers in the field of smart home automation system, but after sometime he left is due to his involvement in the other SEP Module.
5	Microgrid operation and control	Nishika Yadav (0901EE201081)	• She has reviewed few papers on AC microgrid operation and control, and created a basic model in MATLAB. • She was partially involved in this module as she was also doing an internship from the BHEL. • **She is preparing a report and a poster for student conference**.

Faculty: Dr. Yashwant Sawle, Department of Electrical Engineering,

Broad Area of Research: Hybrid renewable energy system
No of Students Interned: 01

S N	Name of student and Roll no	Topic of work	Achievement/ potential shown by student
1	Nikita Yadav Chemical engineering	Analyze the performance of the battery in the hybrid energy system.	• The student is working on battery performance on an off-grid system. She learnt the importance of batteries for current and future needs in microgrids and smart-grid. The student also learned about how to read/write and understand the research article. • To date, the student has completed the design of the hybrid system. • She is writing a research paper on the analysis off-grid systems with battery performance.

Item 11: To present the information of 2018-2022 batch who have secured Honours/ Minor degree in addition to their graduation

— Last year in 2021, 25 students secured an Honours Degree and 11 got Minor Specialization.
— In 2022, **29 students got Honours Degree but only 04 could get a Minor Specialization**.
— Therefore, it has been proposed to reduce the courses in the VIII semester (presently students have 03 mandatory MOOCs) as students are now engaged in offline internships.

HONORS DEGREE

S. No.	Name of student	B.Tech with Honours (with 20 additional credits) in	Number of students
1	Ritik Mathe	Automobile Engineering	02
2	Yashika Singhal		

3	Kaushiki Singh	Biotechnology	01
4	Himanshi Agrawal	Civil Engineering	05
5	Priyam Shivhare		
6	Rajan Pandey		
7	Shivangi Sharma		
8	Sneha Rajawat		
9	Deepak Choudhary	Chemical Engineering	07
10	Naina Singh		
11	Nakul Kalgaonkar		
12	Rishav Saraswat		
13	Ritik Ranve		
14	Shivam Shrivastava		
15	Shrey Arora		
16	Abhay Agrawal	Electrical Engineering	05
17	Nitin Goyal		
18	Rajarsh Dwivedi		
19	Ritik Gupta		
20	Saurav Singh		
21	Eshan Sharma	Information Technology	02
22	Shaantanu Agarwal		
23	Ashutosh Kushwanshi	Mechanical Engineering	07
24	Ashutosh Singh Kushwah		
25	Ayush Sharma		
26	Jishnu Mukherjee		
27	Miraj Verma		
28	Neeraj Singh		
29	Suryansh Gupta		

B.Tech with Minor Specialization in Computer Science

S. No.	Name of student	Branch	Number of students
1	Aamna Bhalla	Electronics Engineering	02
2	Jitendra Singh	Electronics Engineering	
3	Mansi Saxena	Electrical Engineering	01
4	Kriti Patwari	Civil Engineering	01

Item 12: To review the status of Ph.D. candidates registered at the institute

— The IQAC reviewed the monitoring mechanism of Ph.D. candidates registered in the institute. The status of award/submission of Ph.D. thesis during July 2021 to June 2022 was also presented.

(i) Six monthly review meeting of Ph.D. students by the research advisory committee (RAC)

Ph.D. Review Summary 07.09.2022
(*Notice No. 1534 dated 17.08.2022*)

S.No.	Department	Total No. of Student Registered (RGPV/TEQIP/NDF/QIP)	Total No. of Student Present	Total No. of Students Absent

1.	Civil Engineering	10	08	02
2.	Mechanical Engineering	16	13	03
3.	Electrical Engineering	13	13	00
4.	Electronics	14	11	03
5.	CSE/IT	20	18	02
6.	Chemical Engineering	01	01	00
6.	Architecture	14	12	02
7.	Engineering Mathematics & Computing	02	02	00
		90	**78**	**12**

(ii) The status of award/submission of Ph.D. thesis during July 2021 to June 2022.

- o **Thesis Awarded: 01**
- o **Draft thesis submitted: 12**
- o **Final thesis submitted: 12**

SUMMARY OF Ph.D. THESIS SUBMITTED/AWARDED IN YEAR 2021-2022

S.No.	Department	Name of Candidates	Name of Supervisor	Title of thesis	Status(Awarded/ Final Thesis/ Draft thesis)
1	**Mechanical Engineering**	Pushpendra Singh	Dr. Manoj Kumar Gaur	"Performance Evaluation of Hybrid Greenhouse Solar Dryer for Drying High Moisture Content Crops"	Draft Thesis Submitted 04.07.2022 Fee Paid up to 2021-22 session
2		Vikas Kumar Thakur	Dr.Manoj Kumar Gaur Dr. Manish Kumar Sagar	"Performance Analysis of Passive Solar Still with Different Nanoparticles"	Draft Thesis Submitted 04.07.2022 Fee Paid up to 2021-22 session
3		Alka Thakur	Dr. S. Wadhwani Dr. A.K. Wadhwani	Fault Detection and Analysis of Rotating Electrical Machine using Soft Computing Techniques.	Draft Thesis Submitted
4		Manoj Kumar Bandil	Dr. A.K. Wadhwani	Multi-Resolution Epileptic Classification of Electroencephalogram Using Hybrid Soft Computing Techniques.	Draft Thesis Submitted
5		Shilpi Sisodia	Dr. A.K. Wadhwani Dr. Yogendra Kumar	Transmission System Planning Using Evolutionary Techniques	Final Thesis Submitted 07.03.2022 and viva 24/02/2022
6		Nikhil Paliwal (RA) under TEQIP III	Dr. Laxmi Srivastava Dr. Manjaree Pandit	Power System Frequency and Voltage Control Using Intelligent Computational Techniques	Final Thesis Submitted 20.12.2021

7.		Anjali Agrawal	Dr. Seema N. Pandey Dr. Laxmi Srivastava	Development of Financial Mechanisms for Managing Congestion in Copetitive Power Markets.	Draft Thesis Submitted
8..		Rinisha Bagaria NDF	Dr. Sulochana Wadhwani Dr. A.K. Wadhwani	"Development of Diagnostic System for Bone Fractures using Image Processing Techniques"	Draft Thesis Submitted 04.07.2022
9		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 Functionusing HRV analysis.	Draft Thesis Submitted 24.03.2022
10		Hemant Amhia QIP	Dr. A.K. Wadhwani	Design & Development of ECG Signal based Disease Diagnostic System	Draft Thesis Submitted 04.08.2022
11	Electronics Engineering	**Parul Pathak**	**Dr. P.K. Singhal**	**Design of Broadband Antennas for Wireless Applications**	**Awarded Notification No. RGPV/Ph.D/66/ 1919 date 26.05.2022**
12.		Deepti Gupta	Dr. P.K. Singhal	Desing and Development of Microstrip Filters using Matamaterials	Final Thesis Submitted 04.04.2022
13.		Rakesh Singh Rajput	Dr. Rekha Gupta Dr. Aditya Trivedi	Spectrum Sensing Techniques using Energy and Eigenvalue based Algorithm.	Final Thesis Submitted
14.		Keshav Mishra	Dr. Rekha Gupta Dr. Aditya Trivedi	Performance Improvement of Resource Allocation Scheme for Cognitive Radio Networks	Final Thesis Submitted 16.08.2022
15.		R. Jenkin Suji	Dr. Sarita Singh Bhadauria	Performance Improvement of Computer Aided Diagnosis System for Biomedical Imeges.	Final Thesis Submitted
16.		Gaurav Saxena	Dr. Sarita Singh Bhadauria	Feature Extraction of Environmental Images	Draft Thesis Submitted
17.	Computer Science and Engineering/ IT	Arvind Kumar Sharma	Prof. R.K. Gupta	"Development of New Algorithms for Trend Detection and Prediction in Spatial Databases"	Final Thesis Submitted (18.01.2022)
18.		Punit Kumar Johari	Prof. R.K. Gupta	A novel approach for retrieving images using soft computing techniques'	Final Thesis Submitted (25.01.2022)
19.		Abhilash Sonker	Prof. R.K. Gupta	A New Approach formisbehaviour detection of nodes VANET	Final Thesis Submitted (25.01.2022)
20.		Jaimala Jha	Dr.Sarita Singh Bhadauria	A Frame work for Fast Retrieval and Identification of Monument Images using Visual Features and data Mining Techniques'	Final Thesis Submitted (25.03.2022)

21.		Abhishek Dixit	Dr. Akhilesh Tiwari Dr. R.K. Gupta	Swarm Intelligence Based Framework for Multilevel Hesitation Mining	Final Thesis Submitted (09.11.2021)
22		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"	Draft Thesis submitted 04.07.2022
23		Devanshu Tiwari	Dr. Manish Dixit	Development of Breast Cancer Detection Framework using Machine Learning Technique	Draft Thesis submitted 18.07.2022
24.	**Computer Application**	Mahendra Pratap Singh Dohre	Dr. R.S. Jadon	An Innovative Approach for User Profile based Online Searching on Web Content.	Final Thesis Submitted 24.05.2022
25	**Architecture**	Rishika Shah	Dr.R.K. Pandit Dr. Manoj Kumar Gaur	"Integrated Urban Physics and Thermal Comfort for Sustainable Sstreet Canyon"	Draft Thesis Submitted 04.07.2022

Item 13: To report the approval of R&D Project under National Technical Textiles Mission (NTTM)

— The IQAC was informed that one research project submitted by institute faculty in collaboration with an industry partner has been approved by the National Technical Textiles Mission (NTTM)

— The details are:

Title: Development of a multi-layered firefighter's suit for protection against thermal hazards and pressurized steam has been approved by the Mission Steering Group (MSG).

Project Investigator: Dr. C.S. Malvi, Department of Mechanical Engineering
Project amount: **Rs. 87 lakhs**
Duration: 2 Years
Industrial Partner: HPT High-performance Pvt. Ltd., Panipat

Item 14: To present the report on celebration of commemorative days at the institute

— The link has been created for uploading the reports. Committee was constituted earlier for celebration of these events.

— http://103.25.130.79/~mitsgwalior/index.php/national-international-commemorative-days-events

Screenshot of the page

Item 15: To report the registration status of Novel Engaging Courses (NEC) August- December 2022

— The institute has provisioned 04 credits for Novel Engaging Courses (NEC) in II and III year.

— The faculty mentors and departments have made great efforts in designing and conducting these courses to address NEP-2020 vision of imparting holistic education in an interesting and activity based learning environment.

— The initiative was started w.e.f. July 2021 for the 2020 admitted batch.

— The growth of number of courses has been as follows

Session	July-December 2021	January-June 2021	July-Dec 2022
Number of courses with registration	33	44	72
Number of courses offered	38	87	104

Registration Summary

S. No.	Number of courses	Course Mentors	Total Enrolled Students
1	72	66	2469

DEPARTMENT WISE NOVEL ENGAGING COURSES

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Department	No. of Courses	Department	No. of Courses	Department	No. of Courses
Information Technology	11	Electrical Engineering	05	Chemical Engineering	02
Mechanical Engineering	10	Civil Engineering	05	Applied Science	01
Electronics Engineering	08	Architecture	04	Management	01
Computer Science and Engineering	07	Mathematics & Computing	03	(Sport, NCC, Data Resource, Humanities)	09

NEC Registration Data Aug-Dec-2022 Session

Course ID	Course Name	Course Mentor	Department	No. of Students
2000001	3D Printing	Gavendra Norkey	ME	50
2000009	Animation	Amit Manjhvar	CSE	50
2000074	Basic and Advanced Excel	Abhilash Shukla	CE	50
2000109	Basic Programming of Python using Google Colab	Hemant Choubey	EC	50
2000099	Basics and Applications of Mathematica	Atul Kumar Ray	MAC	11
2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	50
2000136	Basics of Control Systems for Engineers	R. P. Narwaria	EC	11
2000108	Basics of MATLAB Programming	Sandeep Sharma	EC	39
2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Arch.	50
2000157	Bhagwad Gita- An Introduction	C S Malvi	ME	50
2000053	Career Guidance & Preparedness	Praveen Bansal & Swati Gupta	EE & CM.	50
2000117	CFD Foundation Course using ANSYS FLUENT	Subash Chand Pal	ME	10
2000083	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	CSE	50
2000060	Coding Skills** - I	Rajni Ranjan Singh	CSE	50
2000062	Coding Skills** - III	Rajni Ranjan Singh	CSE	25
2000137	Computational Thinking for Problem Solving	Sanjiv Sharma	IT	44
2000125	Corporate Governance	Namrata Gupta	MBA	8
2000121	Creative thinking and problem solving	Harbhajan Ahirwar	ME	50
2000004	Data Analysis Skills	D K Jain	MAC.	50
2000085	Demystifying Online Social networks	Arun Kumar	CSE	25
2000003	Design Skills Using Simulation Software	Sharad Agrawal	ME	20

2000077	Developments in Pavement Construction: Past to Future	Jayvant Choudhary	CE	10
2000133	Digital Circuit Design	Kuldeep Swarnkar	EE	11
2000010	Digital Learning* - I	Punit Kumar Johari	IT	26
2000012	Elements of Photographic Skills	D.K. Parsediya	EC	50
2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	50
2000048	English Literary Skills	Sanjeev Khanna	Humanities	18
2000155	Entrepreneurship: Concept to Company*-I	Varun Sharma	EC	42
2000013	Environment Protection* - I	Aditya K. Agarwal	CE	50
2000076	Fire Safety and Regulation in Building	Hemant Shrivastava	CE	24
2000052	Food and Nutrition	Anjula Gaur	App. Sc.	25
2000032	Games & Sports** - I	B.P.S. Bhadoria	Sports	50
2000034	Games & Sports** - III,	B.P.S. Bhadoria	Sports	40
2000072	Graphic Design	Satyam Shukla	Arch.	50
2000049	Hindi Language Skills	A.S. Ojha	MAC	24
2000042	Holistic Health* - I	Vishal Chaudhary	EE	9
2000095	Imbalance Learning	Bhagat Singh Raghuwanshi	IT (AIR)	8
2000151	Innovation: From Creativity to Entrepreneurship**-I	Ankit TIwari	EE	50
2000138	Introduction to Auto CAD for Engineers	Utkarsh Srivastava	ME	50
2000089	IT Tools	Abhishek Dixit	IT	50
2000143	Know your Country: History, Culture & Traditions	Neha Bhardwaj	IT	50
2000110	LT Spice Tutorial for Circuit Simulation	Vikas Mahor	EC	20
2000122	Material Characterization Techniques for Engineering Applications	Dinesh Rathore	ME	10
2000142	Microsoft Office-Excel Skills	Abhilash Sonker	IT	50
2000093	Modern techniques for business correspondence	Namrata Agrawal	IT	16
2000020	National Cadet Corps** (NCC) - I	B.P.S. Bhadoria	NCC	50
2000022	National Cadet Corps** (NCC) III	B.P.S. Bhadoria	NCC	12
2000016	National Service Scheme** (NSS) - I	Manish Sagar	NSS	37
2000018	National Service Scheme** (NSS) - III	Manish Sagar	NSS	18

2000028	Organic Farming	Archana Tiwari	CE	19
2000070	Photo Editing Software: Adobe Photoshop	Versha Sinha	Arch.	50
2000134	Practical Electronics for Inventors	Madhav Singh	EC	7
2000050	Preliminary Journalism Skills	Anish P. Jacob	CM	10
2000101	Proficiency in Microsoft Excel	Nikhil Paliwal	EE	50
2000148	Project Management	Jyoti Vimal	ME	50
2000058	Public Speaking* - I	Manish Dixit	CSE	50
2000096	Python for Image processing applications using Open CV	Pawan Dubey	IT (AIR)	50
2000007	Robotics	Karuna Markam	EC	50
2000084	Role of MATLAB in Computations	Ranjeet Kumar Singh	CSE	29
2000081	Science and Technology Around Us	Rakesh Dubey	CM	15
2000046	Sculpture Making* - I	Pranshi Jain	Arch.	8
2000080	Shutter Up-Flash Me Photography	Shourabh Raghuwanshi	CM	50
2000139	Smart Home Technologies	Vikas Shejwar	IT	50
2000066	Software Development** - I	Atul Chauhan	Data Resource	50
2000068	Software Development** - III	Atul Chauhan	Data Resource	18
2000118	Solar Applications	Ravi Kant Ranjan	ME	18
2000150	Statistical data analysis through programming	Dhananjay Bisen	IT	50
2000130	Study of Historical Monuments of Gwalior	Jaimala Jha	CSE	11
2000090	Understanding Financial Markets	Saumil Maheshwari	IT	50
2000114	Understanding Logic Gates	Rahul Dubey	EC	31
2000008	Vehicular Skill Development	Vedansh Chaturvedi	ME	15
2000073	World Heritage Sites: A Brief Overview	Richa Mishra	Arch.	45
Total No. of courses	**72**	**Total No. of students**		**2469**

Item 16: To report about launching the role based access control (RBAC) website of the institute on 19th September 2022

— The IQAC was briefed about the initiative of launching the role based access control based(RBAC) website of the institute vide Item no 22.

— The RBAC website gives access to faculty members and coordinators so that they can update web contents directly through individual logins.

— Institute launched RBAC based website on **19th September 2022**, following are the features of the website.

   o An **account of each faculty member** has been created so that they can update their profile directly.
   o An **account of each department** has been created using which the departments can update their department page.
   o **Account of each section** has been created so that they can data of their respective webpage.
   o The RBAC website is a CMS (Content management system) that helps users to create, manage and modify content on a website without the need for specialized technical knowledge.

website technical details are: -

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

— Dr. Nameesh Miglani suggested that the website should be disabled friendly.

Item 17: To update the status of the 4th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering & Technology (ICSISCET 2022) Technically Sponsored by Soft Computing Research Society, during November 19-20, 2022 in blended (online/in-person) mode.

— **The IQAC was briefed about the 4th International Conference in the ICSISCET-2022 series being organized at the institute on 19-20, November 2022.**

— The contract for publishing the proceedings was formally signed with Springer Nature Singapore Pte Ltd., 152 Beach Road, Gateway East, Singapore 189721, Singapore on 23rd September 2022.

— The proceedings will be published in the Springer book series 'Algorithms for Intelligent Systems'. The editors from MITS are Dr. Manjaree Pandit and Dr. Manoj Gaur and the third editor is from Christ University, Bengaluru, Dr. Sandeep Kumar.

— The title of the proposed book is "Artificial Intelligence and Sustainable Computing - Proceedings of ICSISCET 2022

Item 18: To present a brief report of the NAAC sponsored two-day workshop on "Curriculum Development for the Effective Implementation of NEP-2020" on 3rd -4th September 2022

— There were 62 participants from different states and 10 resource persons.

— There were 10 sessions, including the inaugural session and panel discussion/closing session.

— MITS case study was presented by the Dean Academics Dr. Manjaree Pandit, in two separate sessions.

Brochure

ABOUT SPEAKERS

The speakers from reputed education & research organizations and National Governing Bodies are invited to deliver lectures in this workshop

REGISTRATION

Faculty members of AICTE recognized engineering institutions are eligible to apply for the course. Participants will be given course material. The interested candidates need to apply on or before the due date at the following link:

https://forms.gle/8K2ihX2iksUGWebXA

Last date of receiving completed application forms is 30th August 2022. The candidate will be informed of his/her selection in advance via email.

FINANCIAL ASSISTANCE

There will be no registration fee for the participants.

CHIEF PATRON

Prof. D.P. Agrawal
Former Chairperson, UPSC, New Delhi

PATRON

Dr. R. K Pandit
Director, MITS Gwalior

COORDINATORS

Dr. Manjaree Pandit, Dean Academics
Dr. Pratesh Jayaswal, Coordinator, IQAC

ORGANIZING SECRETARY

Dr. Akhilesh Tiwari, Member Secretary, Academic Council

COURSE CONTENTS

To keep pace with global education standards, the Indian Higher Education Institutes are required to adopt the National Education Policy 2020 in phase wise manner or completely. Considering the above fact, MITS is conducting this **Two Day National Workshop on Curriculum Development for the Effective Implementation of NEP-2020** to create awareness about vision, principles objectives and strategies of this new policy.

The mode of conduction will be interactive where the participants will play an active role. The National Workshop on Curriculum Development for the Effective Implementation of NEP-2020 will benefit the faculty members of Technical/ Engineering institutes by addressing key reforms required in the education system in the following areas:

- Curriculum planning with key concepts of NEP-2020
- Stakeholder participation in curriculum design and implementation
- Curriculum delivery with emphasis on employability and skill development
- Assessment and evaluation with NEP-2020 perspective
- Credit transfer provisions and associated issues
- Curriculum Development with Focus on NEP-2020: An MITS Case Study
- Implementation of NEP-2020: MITS experience
- Revised Accreditation Framework of the NAAC

NAAC Sponsored

TWO-DAY

NATIONAL WORKSHOP

on

Curriculum Development for the Effective Implementation of NEP-2020

3rd & 4th September 2022

Organized by

IQAC
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A Govt. Aided Autonomous Institute, Affiliated to RGPV, Bhopal)
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005
website: www.mitsgwalior.in

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

I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

ABOUT MITS

Madhav Institute of Technology & Science (MITS), Gwalior is Govt. Aided, UGC Autonomous, NAAC Accredited institute situated in Northern part of Madhya Pradesh. The institute is listed in 251-300 band of NIRF -2021 & promising band of ARIIA-2021 and NPTEL local Chapter of the institute has secured AAA rating (listed in the band of 01 -10) during 2021 amongst more than 4,000 Chapters of NPTEL across the nation. The Institute started initially with 3 disciplines: Civil, Mechanical and Electrical Engineering with intake of 40 each. At present, the Institute is offering regular 17 Bachelors, 10 Masters and Doctoral Degrees Programmes in Engineering & Technology, Architecture & Planning, Computer Application and Management with the strength of more than 5000 students. Many of the programmes are accredited by the National Board of Accreditation (NBA).

The Institute is a recognized Quality Improvement Programme (QIP) Centre of AICTE for Ph.D. Programme, institute has implemented TEQIP-II & TEQIP-III successfully and was declared as the best performer in the final performance audit amongst all the TEQIP-III funded institutes of the nation.

As per the vision of the institute,*" To create world class quality Engineers and Technocrats capable of providing leadership in all spheres of life and society ",* the institute has implemented Outcome Based Education (OBE) and Flexible curriculum with provision of major / minor degrees. Institute has collaborated with globally recognized organizations and implemented National Educational Policy (NEP-2020) for the multidisciplinary education. Institute conducts various activities under the provision of Novel Engaging Courses for the holistic development of students.

PREAMBLE

National Education Policy of India 2020 (NEP 2020), was approved on 29 July 2020 and has replaced the previous National Policy on Education-1986. The new policy aims to transform elementary to higher education systems as well as vocational training in both rural and urban India by 2040, with focus on developing and maximizing our country's human resource for the benefit of society with environmental sustainability & safety.

Therefore, in order to achieve the goals of National Education Policy vis a vis Higher Education, various strategies need to be implemented as follows:

1. Robust education system and research facility to compete with global standards
2. Provision of multiple entry and multiple exit at higher level of education
3. Establishment of academic bank of credit in which credits earned by the students during their academics from different HEIs could be stored and transferred at the time of final degree
4. Holistic development of students by recognizing, identifying, and fostering the unique capabilities of each student
5. Provision of flexibility to choose learning trajectories and programmes, according to their talents and interests
6. Teaching based on higher order thinking skills to enhance creativity, logical decision-making, innovation and critical thinking
7. Provision of equity and inclusion of students in all academic or non academic in the education system
8. Teachers and faculty as the heart of the learning process – their recruitment, continuous professional development, positive working environments and service conditions
9. Redesigning vocational training to ensure the development of skill and later applying it for economic growth.

Banner

Schedule

I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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Website: www.mitsgwalior.in

NAAC sponsored National Workshop on
"Curriculum Development for the Effective Implementation of NEP-2020"
3rd and 4th September 2022, Organized by Internal Quality Assurance Cell (IQAC), MITS, Gwalior

P R O G R A M   S C H E D U L E

Date	Time	Activity	Resource Person(s)
DAY 1			
03.09.2022 Saturday	10:00-10:45 AM	Inauguration & Keynote address	Prof. K. K. Aggarwal Chairman, NBA, Former Vice Chancellor, GGS Indraprastha University, Delhi
	10:45 AM - 12:15 PM	Curriculum planning with key concepts of NEP-2020	Prof. D. P. Agrawal Former Chairperson, Union Public Service Commission, New Delhi
	12:15 -1:30 PM	Assessment and evaluation with NEP-2020 perspective	Prof. Urmila Patil Dean Academics and IQAC Head, Dr. D. Y. Patil Institute Of Technology, Pimpri, Pune
	1:30-2:30 PM	LUNCH BREAK	
	2:30 -3:45 PM	Curriculum Development with Focus on NEP-2020: MITS Gwalior Case Study	Dr. Manjaree Pandit Professor and Dean Academics, MITS, Gwalior
	3:45 -5:00 PM	Curriculum delivery with emphasis on employability and skill development	Prof. R. P. Khambayat Joint Director, PSS Central Institute of Vocational Education, Bhopal
DAY 2			
04.09.2022 Sunday	10:00 - 11:15 AM	Implementation of NEP-2020: MITS Gwalior experience	Dr. Manjaree Pandit Professor and Dean Academics, MITS, Gwalior
	11:15 AM - 12:15 PM	Revised Accreditation Framework of the NAAC	Dr. Narendra G. Bawane Principal, JIT, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur
	12:15 – 01:15 PM	Credit transfer provisions and associated issues	Prof. Urmila Kar Professor, Education and Management, NITTTR, Kolkata
	1:15 - 2:00 PM	LUNCH BREAK	
	2:00 - 3:15 PM	Stakeholder participation in curriculum design and implementation	Prof. P.B. Sharma Vice-Chancellor, Amity University, Gurgaon
	3:15 - 3:45 PM	Panel Discussion/Interaction with participants	Prof. D. P. Agrawal, Former Chairperson, UPSC, New Delhi Dr. Manjaree Pandit, Professor and Dean Academics, MITS, Gwalior Dr. Pratesh Jayaswal, Professor and IQAC Coordinator, MITS, Gwalior Dr. Akhilesh Tiwari Professor and Head, IT, MITS, Gwalior
	3:45 - 4:00 PM	Valedictory Session: Closing remarks/takeaways/outcomes of the workshop	All

News

शिक्षाविदों ने एनईपी पर किया डिस्कशन

पत्रिका plus रिपोर्टर

ग्वालियर. माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस में राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषदकी ओर से प्रायोजित दो दिवसीय राष्ट्रीय ऑनलाइन वर्कशॉप का शुभारंभ शनिवार को डीन एकेडमिक्स डॉ. मंजरी पंडित ने किया। संघ लोक सेवा आयोग के पूर्व चेयरमैन प्रो डीपी अग्रवाल ने एनईपी 2020 की प्रमुख अवधारणाओं के साथ पाठ्यचर्या योजना के बारे में विस्तार से विश्लेषण किया। साथ ही 12 प्रदेशों से प्रतिभागियों के प्रश्नों के उत्तर दिए। इस अवसर पर डायरेक्टर डॉ. आरके पंडित, प्रो. उर्मिला पाटिल, डॉ डीवाई पाटिल, प्रो उर्मिला पाटिल ने भी व्याख्यान दिया।

MITS: 'करिकुलम डेवलपमेंट फॉर द इफेक्टिव इंप्लीमेंटेशन ऑफ एनइपी 2020' वर्कशॉप

ग्वालियर। माधव इंस्टिट्यूट ऑफ टेक्नोलॉजी एंड साइंस में राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद (एनएएसी) द्वारा प्रायोजित दो दिवसीय राष्ट्रीय ऑनलाइन वर्कशॉप का शुभारम्भ किया गयो इस राष्ट्रीय वर्कशॉप का शीर्षक 'करिकुलम डेवलपमेंट फॉर द इफेक्टिव इम्प्लीमेंटेशन ऑफ एन इ पी 2020' है एक वर्कशॉप की शुरूआत सरस्वती वन्दना के साथ हुई इनॉगरल सेशन का संचालन संस्था के डीन एकेडेमिक्स डॉ. मंजरी पंडित ने किया। संस्था के निदेशक डॉ. आर के पंडित जी ने श्रीफल एवं मोमेंटो देकर प्रो. डीपी अग्रवाल का स्वागत किया। प्रो

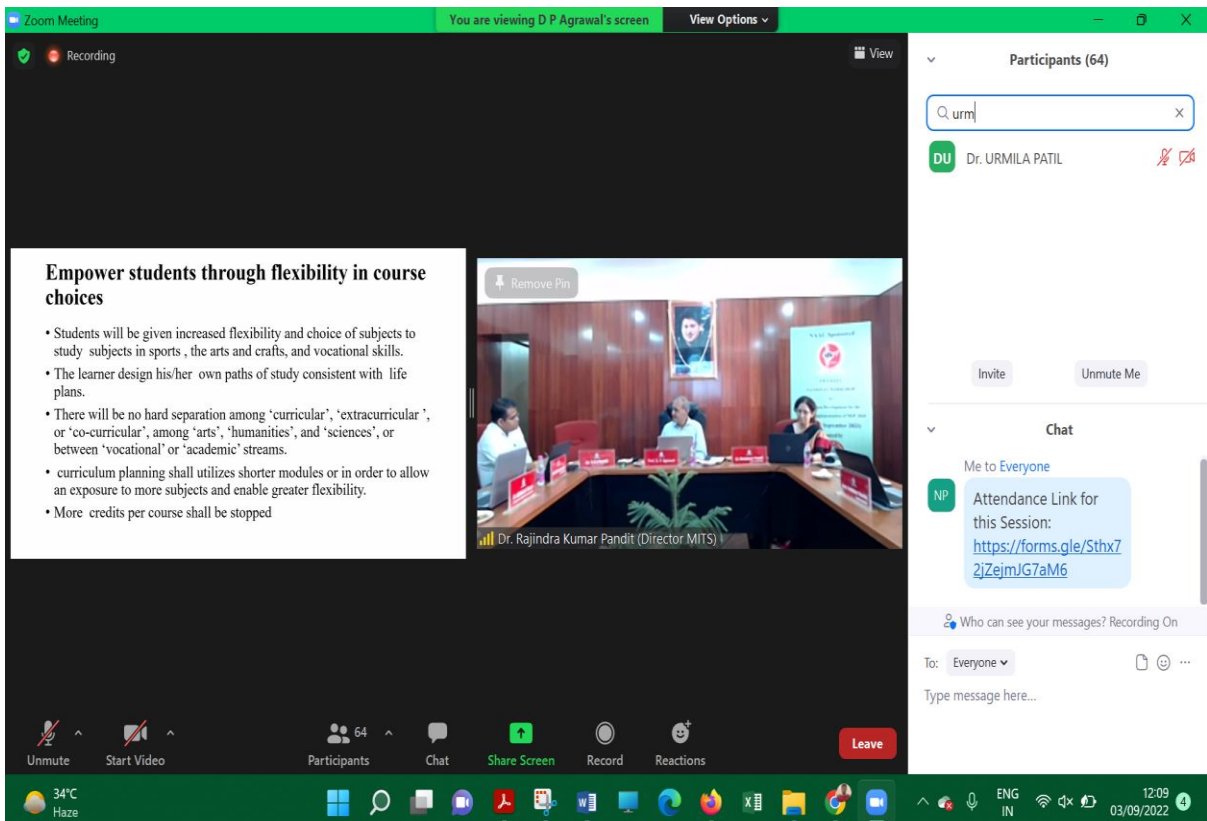अग्रवाल संघ लोक सेवा आयोग के पूर्व चेयरमैन एवं एमआईटीएस ग्वालियर के बीओजी मेंबर है इसके बाद डॉ. मंजरी पंडित ने प्रो. केके अग्रवाल (एनबीए के पूर्व चेयरमैन)को मुख्य सत्र के लिए सादर आमंत्रित किया। प्रो. केके अग्रवाल ने एन इ पी 2020 के सन्दर्भ में विस्तार से चर्चा की। प्रो. केके अग्रवाल एमआईटीएस ग्वालियर को इसके सफल कार्यान्वयन के बधाई भी दो इस सेशन के बाद प्रो. डी पी अग्रवाल ने एनइपी 2020 की प्रमुख अवधारणाओं के साथ पाठ्यचर्या योजना के बारें में विस्तार से विश्लेषण किया।

Glimpses
<u>Inaugural Session</u>

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

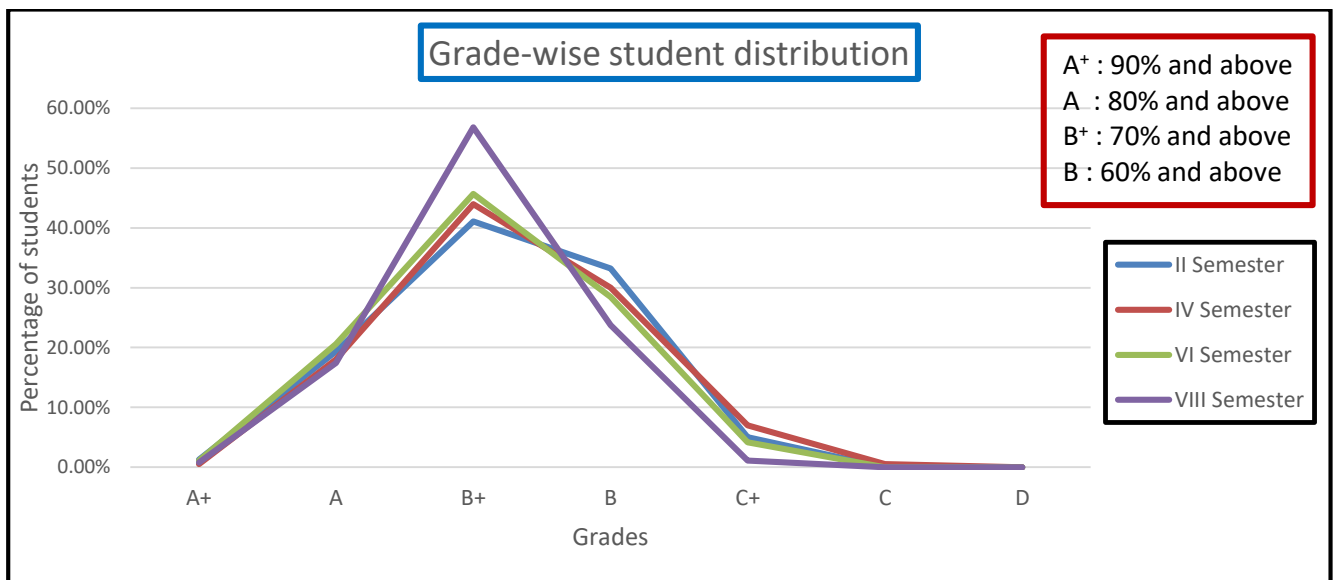(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal)

The full report is presented in enclosure-III

Item. 19: To report the initiatives taken to create awareness about challenges and innovations needed for effective implementation of NEP-2020

—The Dean academics conducted a meeting of the Associate & Assistant Professor level faculty on **9th September 2022** in this regards.

—Through PPT presentation the faculty was briefed about the targets set by the institute for meeting expectations set by NEP-2020.

—A similar session was conducted last year on **12th July 2021** for the Professors which was addressed by the Director.

—Earlier, there was also a seminar of Professors for idea generation for meeting market challenges vis a vis NEP 2020.

Item. 20: To present the result analysis of January-June 2022

—— The grade-wise distribution of students of the even semester (II, IV, VI and VIII) was presented in the meeting for the purpose of result analysis as shown.

—— **It can be seen that the highest number of students (between 40-60%) are between 70-80% with 'B$^+$' grade.**

—— **About 18-20% of students are scoring above 80% with 'A' grade.**

—— **25-35% students are in the 60-70% bracket with 'B' grade.**

—— **Very few students (0.5-1.5%) are in A$^+$ or C$^+$, C, D grades.**

Grade-wise student distribution

A$^+$: 90% and above
A : 80% and above
B$^+$: 70% and above
B : 60% and above

B.Tech. SEMESTER: II

S.No	Branch Name	Students Registered	Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	Automobile Engineering	17	15	88	0	0	4	9	2	0	0
2	Civil Engineering	122	118	96	0	8	63	42	5	0	0
3	Chemical Engineering	19	17	89	1	1	9	4	2	0	0
4	Computer Science & Engineering	134	130	97	1	36	50	30	13	0	0
5	Electronics & ET	67	62	92	1	13	29	17	2	0	0
6	Electrical Engineering	131	124	94	0	19	55	47	3	0	0
7	Information Technology	67	60	89	0	18	26	10	5	1	0
8	Mechanical Engineering	87	81	93	0	9	32	34	6	0	0
9	Electronics Engineering	139	129	92	1	33	63	26	6	0	0
10	Information Technology(Air)	65	61	93	0	9	31	18	3	0	0
11	Internet Of Things	62	54	87	0	13	22	16	3	0	0
12	Mathematics And Computing	68	57	83	1	1	15	22	15	3	0
13	Internet Of Things (IOT)	66	61	92	0	14	23	20	4	0	0
14	Artificial Intelligence (Ai) AndData Science	66	63	95	0	15	33	14	1	0	0
15	Artificial Intelligence AndMachine Learning	65	59	90	1	10	21	20	7	0	0
16	Computer Science And Design	63	58	92	0	7	29	18	4	0	0
	TOTAL	1238	1149	**92.8%**	6	206	505	347	81	4	0
					0.5%	**18%**	**44%**	**30%**	**7%**	**0.5%**	**0%**

B.Tech., SEMESTER: IV

S.No	Branch Name	Students Registered	Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	Automobile Engineering	31	27	87	0	2	4	17	4	0	0
2	Civil Engineering	146	132	90	0	8	51	64	9	0	0
3	Chemical Engineering	40	35	87	1	1	12	19	2	0	0

4	Computer Science & Engineering	142	125	88	1	32	60	29	3	0	0
5	Electronics & Telecommunication Engineering	68	63	92	4	18	29	12	0	0	0
6	Electrical Engineering	141	126	89	2	21	50	42	11	0	0
7	Information Technology	72	69	95	1	32	27	8	1	0	0
8	Mechanical Engineering	132	114	86	0	5	26	64	19	0	0
9	Electronics Engineering	135	122	90	3	15	58	44	2	0	0
10	IT-Artificial Intelligence & Robotics	73	72	98	0	23	37	12	0	0	0
11	Electrical Engineering (Internet of Things)	68	66	97	1	22	25	17	1	0	0
12	Mathematics & Computing	65	62	95	1	11	35	15	0	0	0
13	Internet of Things (IOT)	70	65	92	0	19	29	15	2	0	0
	TOTAL	**1183**	**1078**	**91%**	14	209	443	358	54	0	0
					1.29%	**19.38%**	**41.09%**	**33.20%**	**5.0%**	**0%**	**0%**

B.Tech VI SEMESTER

S.No	Branch Name	Students Registered	Students Passed	Percentage Passed	No. of Students With Over All Grade						
1	Automobile Engineering	64	55	85	0	4	23	23	5	0	0
2	Civil Engineering	153	124	81	0	21	58	41	4	0	0
3	Chemical Engineering	59	56	94	0	2	19	27	8	0	0
4	Computer Science & Engineering	150	143	95	1	11	52	67	12	0	0
5	Electronics & Telecommunication Engineering	65	64	98	2	32	22	7	1	0	0

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					A+	A	B+	B	C+	C	D
6	Electrical Engineering	152	144	94	1	31	89	22	1	0	0
7	Information Technology	76	72	94	0	12	42	17	1	0	0
8	Mechanical Engineering	148	137	92	0	22	67	43	5	0	0
9	Electronics Engineering	134	122	91	6	54	47	14	1	0	0
	TOTAL	**1001**	**917**	**92%**	10	189	419	261	38	0	0
					1.09%	**20.61%**	**45.69%**	**28.46%**	**4.14%**	**0%**	**0%**

B.Tech., SEMESTER: VIII

S.No	Branch Name	Students Registered	Students Passed	Percentage Passed	No. of Students With Over All Grade						
					A+	A	B+	B	C+	C	D
1	Automobile Engineering	63	58	92	0	2	25	29	2	0	0
2	Biotechnology	7	7	100	0	0	3	4	0	0	0
3	Civil Engineering	139	135	97	2	30	73	27	3	0	0
4	Chemical Engineering	52	50	96	0	7	25	18	0	0	0
5	Computer Science & Engineering	132	131	99	2	17	89	23	0	0	0
6	Electronics & Telecommunication Engineering	64	62	96	0	4	45	13	0	0	0
7	Electrical Engineering	139	139	100	1	33	79	25	1	0	0
8	Information Technology	64	63	98	1	10	29	23	0	0	0
9	Mechanical Engineering	142	135	95	0	22	65	44	4	0	0
10	Electronics Engineering	123	121	98	2	32	79	8	0	0	0
	TOTAL	**925**	**901**	**97.40%**	8	157	512	214	10	0	0
					0.8%	**17.42%**	**56.82%**	**23.75%**	**1.10%**	**0%**	**0%**

	No.	Total	Percent	No. of Students With Over All Grade

	of Students Registered	No of Students Passed	age Passed	A+	A	B+	B	C+	C	D
1	24	22	91	0	11	6	5	0	0	0

Program Name: B.Arch., SEMESTER: II

Program Name: B.Arch., SEMESTER: IV

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	37	34	91	0	6	18	10	0	0	0

Program Name: B.Arch., SEMESTER: VI

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	39	35	89	0	4	28	2	1	0	0

Program Name: B.Arch., SEMESTER: VIII

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	36	35	97	0	6	17	10	2	0	0

Program Name: B.Arch., SEMESTER: X

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	38	38	100	5	22	9	2	0	0	0

Program Name: MCA, SEMESTER: VI

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	19	19	100	0	18	1	0	0	0	0

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Program Name: MUP, SEMESTER: II

S.No	No. of Students Registered	Total No of Students Passed	Percentage Passed	No. of Students With Over All Grade						
				A+	A	B+	B	C+	C	D
1	13	11	84	0	4	4	3	0	0	0

Item 21: To report about circulation of activity timelines for July-December 2022 *{for the computation of Administrative Efficiency Index (AEI)}*

— The institute has a practice of circulating the timelines for departmental and other academic activities at the beginning of the session, for smooth conduction of all processes.

— The IQAC was informed that the practice is continued and the same was circulated on August 2nd 2022.

I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

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ADMINISTRATIVE EFFICIENCY INDEX (AEI)

S. No	Routine Information/Data (Soft Copy of report or intimation to be sent to the Dean Academics E-Mail according to deadline)	Deadline
	Session : July to December 2022	
1	Time Table for II-Final year UG & PG Classes on the department web page	28-07-2022
2	Weekly Classes Statement (Theory & Laboratories) Every Monday	08-08-2022
3	Report of Orientation Programme for II to IV Year (1. An Introduction to OBE by OBE Coordinators 2. Importance of Self-learning through SWAYAM 3. Career Opportunities/how to prepare for GATE 4. Importance of Feedback on (CO, PO, Faculty Feedback, Curriculum) in accreditation and quality improvement 5. Importance of attending special calsses for remedial purpose 6. Institute MOODLE and the activities on MOODLE 7. Efforts made by institute for students' overall development like student chapters, clubs etc. 8. Importance of taking part in technical activities outside institute/submission of such documents to class coordinator 9. Introduction to schemes/Courses/ Evaluation Process (II Year students should be briefed about the Flexible Curriculum & various electives etc. by suitable faculty member 10. Assigning projects to Final Year students based on Industrial/societal needs 11. Importance of internships 12. Any other information which the department feels is required to be clarified to the students to avoid complications and issues later (Regarding attendance, mid-term tests,	16-08-2022
4	Weekly Classes Statement (Theory & Laboratories)	16-08-2022
	Weekly Classes Statement (Theory & Laboratories) Every Monday	22-08-2022
5	Weekly Classes Statement (Theory & Laboratories) Every Monday	29-08-2022
6	Data to be shared with Dean Office in excel sheet(Allotment of Projects to the students: should be completed within 15 days of the commencement to regular classes) To be coordinated class	30-08-2022
7	Weekly Classes Statement (Theory & Laboratories) Every Monday	05-09-2022
8	Weekly Classes Statement (Theory & Laboratories) Every Monday	12-09-2022
9	Weekly Classes Statement (Theory & Laboratories) Every Monday	19-09-2022
10	Weekly Classes Statement (Theory & Laboratories) Every Monday	26-09-2022
11	Action Taken on First Faculty Feedback (II-IV Year) (December 2022) (One to one meeting with faculty) and file sent to the Director for signature through the Dean Academics Office within 10	30-09-2022
12	Responses of First Faculty Feedback (FF) (II-IV Year) (September 2022) Responses >60%– points 10, Responses>55%– points 7, Responses>50% Points–5, Responses>40% Points–3,	...
13	Report on slow and fast learners (Based on attendance, performance of quiz & mid-semester	30-09-2022
14	Displaying all first mid-semester examination marks on Webpage in single excel format	30-09-2022
15	Uploading Newsletter on the department web page (Quarterly)	30-09-2022
16	Weekly Classes Statement (Theory & Laboratories) (Every Monday)	
17	Report of Six Monthly Review of Ph.d. Students by Research Advisory Committee in September 2022, (Signed Hard Copy)	30-09-2022
18	Weekly Classes Statement (Theory & Laboratories) Every Monday	10-10-2022
19	Weekly Classes Statement (Theory & Laboratories) Every Monday	17-10-2022
20	Weekly Classes Statement (Theory & Laboratories)	25-10-2022
	Weekly Classes Statement (Theory & Laboratories)	31-10-2022
21	Report of Stakeholder Feedback on Course Content/Curriculum (About 2-4 weeks before BoS meeting in November) Class coordinator through MOODLE	31-10-2022
22	Report of Teacher Feedback on Course Content/Curriculum (Format in Annexure-IV) (About 2-4 weeks before BoS meeting in April) Class coordinator through MOODLE	31-10-2022
23	Report of VIII Semester Internship/Project induction & briefing	31-10-2022
24	Weekly Classes Statement (III & IV Year) (Theory & Laboratories) Every Monday	07-11-2022
25	Displaying all second mid-semester examination marks on Webpage in single excel format	21-11-2022
26	Action Taken on Second Faculty Feedback (II-IV Year) (December 2022) (One to one meeting with faculty) and file sent to the Director for Signature through the Dean Academics Office	25.11.2022
27	Responces of Second Faculty Feedback (FF) (II-IV Year)November 2022) Responses >60%– points 10, Responses>55%– points 7, Responses>50% Points–5, Responses>40% Points–3,	...
28	Uploading Newsletter on the department web page (Quarterly)	30-11-2022

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

Item. 22: To apprise the house about counselling sessions conducted by the Institute Counsellor

——The IQAC reviewed the report submitted by the institute Counsellor.

Date	Title	Number of Students

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22nd August 2022	Time Management and Sleep Hygiene Group Session, Girl's Hostel No.4	76
09th September 2022	Self-Awareness and Career Guidance	Mechanical Engineering Department 2nd ,3rd and 4th year students
Individual Counselling sessions(offline)	Individual sessions	Students-123 Staffs-2

Item 23: To brief about the Question paper analysis exercises carried out at the department level

— There was discussion at each department about the quality of question paper, whether solvable within the time frame, whether the syllabus was covered effectively, etc.

— For each question paper, analysis was carried out to find out CO coverage, LOTs/HOTs, percentage of logical/theoretical/numerical questions etc.

—The details are available in department reports and the summary is given below:

"In-house Workshop on "Question Paper Analysis": A summary

S.No.	Department	Topic	Date(s)	Faculty participants
1	Electrical Engineering	Question Paper Analysis (Mid-term/end-term, all modes of evaluation)	12/07/2022	18
2	Electronics Engineering	Exercise for Question Paper Analysis (Mid-term/end-term, all modes of evaluation)	10/06/2022	16
3	Computer Science and Engineering	Question Paper Analysis (Mid-term/end-term, all modes of evaluation)	22/06/2022	10
4	Information Technology	One-day workshop exercise for question paper analysis	06/06/2022	05
5	Engineering Mathematics & Computing	Workshop on Question Paper Analysis	02/02/2022	08
6	Architecture	Workshop on "Question Paper Analysis	06/09/2022	09
7	Humanities	Question Paper Analysis (Mid- Term/ End-Term, all modes of evaluation"	25/05/2022	01

The full report is presented in Enclosure - IV

Item 24: To appraise about the constitution of "Equal Opportunity Facilitation Cell (EOFC)" of the Institute.

— The IQAC was informed that in compliance to AICTE guidelines issued vide circular F. No. AICTE/P&AP/Misc/2022 dated 05.08.2022 for inclusive education for all including persons with disabilities, following **"Equal Opportunity Facilitation Cell (EOFC)"** of the Institute is established:

(I)	Dr. Anshu Chaturvedi, Professor	Coordinator
(ii)	Dr. Atul Kumar Ray, Assistant Professor	Member
(iii)	Mr. Nazir Ahmad Ansari, Non-Teaching Staff	Member
(iv)	Ms. Parul Saxena Student, CSE, II Year	Member
(v)	*Dr. Kusum Lata Singhal, Representative of NGO*	*Member*
(vi)	Dr. Pratesh Jayaswal, Professor & Registrar	Member Secretary

— The EOFC of the Institute will ensure the implementation of AICTE guidelines in this regard.

— The first meeting of EOFC was held on 15/9/2022 to discuss and plan the objectives and functionalities of cell & to prepare an Action Plan to promote Equal Opportunities.

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No.: 1453   Date: 17.08.2022

ORDER

In compliance of AICTE guidelines for inclusive education for all including persons with disabilities, following **"Equal Opportunity Facilitation Cell (EOFC)"** of the Institute is established:

(I)	Dr. Anshu Chaturvedi, Professor	Coordinator
(ii)	Dr. Atul Kumar Ray, Assistant Professor	Member
(iii)	Mr. Nazir Ahmad Ansari, Non-Teaching Staff	Member
(iv)	Ms. Parul Saxena Student, CSE, II Year	Member
(v)	Dr. Kusum Lata Singhal, Representative of NGO	Member
(vi)	Dr. Pratesh Jayaswal, Professor & Registrar	Member Secretary

The **EOFC** of the Institute will ensure the implementation of AICTE guidelines issued vide circular F. No. AICTE/P&AP/Misc/2022 dated 05.08.2022 & subsequent notifications in this regard issued from time to time.

(Dr. R. K. Pandit) 17.8.22
P.L. Director

Item 25: To table the report of the review of the Examination Conduction

— Meeting of the committee constituted to review the report submitted by the examination superintendent after the first conduction of examinations in multiple mode, was held on 14.07.2022.

— The objective was to pen down suggestions for smoother conduction of exams next time, vis a vis difficulties encountered during the conduction of April-May 2022 examination for the first time, offline, in three modes, (traditional pen paper (PP), assignment plus oral (A+O) and multiple choice questions (MCQ).

— The following recommendations were given:

1. In MCQ examination a panel of paper setters may be appointed in all courses to get more variety and diversity in questions.

2. One briefing session must be conducted jointly by the examination section & the examination conduction team on **"MCQ based paper setting on MOODLE"** to apprise the faculty about difficulties encountered,

3. The invigilators must also be instructed to be more vigilant during the examination even though the partitions are now provided between the desktops.

4. Option of involving external agencies for paper setting, may also be explored and compared with the MOODLE option.

5. Students who wish to use their own laptops for appearing in the examination may be permitted to do so in the safe browsing mode.

6. The MOODLE examination must be conducted from specially created "separate examination MOODLE accounts" and not from individual faculty accounts.

7. To improve the standard of MCQ question papers, the questions must be set in three separate sections, A, B and C as already instructed (Order no 824 dated 28/5/2020 is enclosed).

    i. From each section a fixed number of questions will be then randomly selected by the system, for each student.

    ii. Two suggestive pattern were proposed.

Section	A	B	C
Number of questions	30	26	06
Marks/question	0.5	1.0	1.5
Total marks	15	26	09
% Weightage	**30%**	**52%**	**18%**

IQAC
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

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Sections	Bloom's Knowledge Level	End Sem Max Marks	No. of questions	Weightage of Marks	Total weightage of marks
Section A	L1 & L2	75 (MOOC courses)	30	1	30
Section B	L3		15	2	30
Section C	L4 and onwards		5	3	15
Section A	L1 & L2	50 (Conventional Mode courses)	25	1	25
Section B	L3		10	1.5	15
Section C	L4 and onwards		5	2	10

8. It is proposed that all mid-semester examinations must be in PP mode to help in mapping some of the COs which may be difficult to cover in MCQ mode.

9. Lastly, power back-up is essential in all labs and class rooms where MCQ exams are being conducted to avoid disruptions due to power fluctuations/failures.

10. In reference to 10, it is also suggested that timing of MOODLE can be set for two hours and a provision can be made such that a student will be permitted for a total exam/screen time of 1.5 hours, only out of the allotted time.

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Date: 14/07/2022

Minutes of the meeting

Meeting of the committee constituted to review the report submitted by the examination superintendent after the first conduction of examinations in multiple mode, was held in the chamber of the Dean Academics at 4.30 PM today, on 14.07.2022. The committee was also instructed to pen down suggestions for smoother conduction of exams next time, vis a vis difficulties encountered during the conduction of April-May 2022 examination for the first time, offline, in three modes, (traditional pen paper (PP), assignment plus oral (A+O) and multiple choice questions (MCQ)).

The committee reviewed the report and proposed the following for enhancing the sanctity, sincerity and credibility of the MCQ based examinations in the future.

1. The MCQ examination is conducted in multiple sessions, so a panel of paper setters may be appointed in all courses to get more variety and diversity in questions.
2. One briefing session must be conducted jointly by the examination section & the examination conduction team on **"MCQ based paper setting on MOODLE"** to apprise the faculty about difficulties encountered, to resolve the issues related to (i) timely password sharing, (ii) timely adding the eligible students on the MOODLE platform for examinations (iii) difficulty in display of figures and illustrations and other operational issues experienced so far.
3. The invigilators must also be instructed to be more vigilant during the examination to avoid students seeing other candidate's screen, even though the partitions are now provided between the desktops.
4. Option of involving external agencies for paper setting, may also be explored and compared with the MOODLE option.
5. Students who wish to use their own laptops for appearing in the examination may be permitted to do so in the safe browsing mode. This will also reduce the pressure on the existing infrastructure. However, first, each department will need to test this system by conducting a few weekly quizzes in this mode. This way the students will become aware

Minutes of meeting: *Review of exam conduction*   Page 1 of 3

of this system and an initial assessment of the count of interested/eligible students (for using their own laptop in exam) can also be made. This data base can be shared with the examination section to reduce the number of time slots and to optimize the man hours consumed in invigilation duties.

6. The MOODLE examination must be conducted from specially created "separate examination MOODLE accounts" and not from individual faculty accounts.

7. To improve the standard of MCQ question papers, the questions must be set in three separate sections, A, B and C as already instructed (Order no 824 dated 28/5/2020 is enclosed).

    i.   From each section a fixed number of questions will be then randomly selected by the system, for each student.

    ii.   One suggestive pattern can be as follows:

Section	A	B	C
Number of questions	30	26	06
Marks/question	0.5	1.0	1.5
Total marks	15	26	09
% Weightage	30%	52%	18%

Another alternative pattern proposed in parallel by the examination section is as follows:

    iii.   As per the discussion, the section wise marks distribution of MCQ based end semester exam is proposed as follows:

Sections	Bloom's Knowledge Level	End Sem Max Marks	No. of questions	Weightage of Marks	Total weightage of marks
Section A	L1 & L2	75 (MOOC courses)	30	1	30
Section B	L3		15	2	30
Section C	L4 and onwards		5	3	15
Section A	L1 & L2	50 (Conventional Mode courses)	25	1	25
Section B	L3		10	1.5	15
Section C	L4 and onwards		5	2	10

8. It is proposed that all mid-semester examinations must be in PP mode to help in mapping some of the COs which may be difficult to cover in MCQ mode.

9. Lastly, power back-up is essential in all labs and class rooms where MCQ exams are being conducted to avoid disruptions due to power fluctuations/failures.

10. In reference to 10, it is also suggested that timing of MOODLE can be set for two hours and a provision can be made such that a student will be permitted for a total exam/screen time of 1.5 hours, only out of the allotted time.

(Shri Atul Chauhan)   (Dr. Rajni Ranjan Makwana)   (Dr. Akhilesh Tiwari)   (Dr. Manjaree Pandit)

Submitted for approval

(Dr. R.K. Pandit)
Director

Item 26: To review the status of placements of 2019-2023 batch as on 25th September 2022

— The following data as received from the placement officer of the ongoing placement activity was tabled in the meeting of the IQAC.

—The full report will be tabled once the process is completed.

S.No.	Name of company	Package (In LPA)	Total offers
1	Infosys	3.6LPA to 8.0 LPA	18
2	Accenture	4.5LPA to 6.5LPA	103
3	Kloudsopt	8.1 LPA	11
4	Hughes Systique	10.0 LPA	06
5	HikeEdu	4.5 LPA	07
6	Sopra Steria	6.0 LPA	13
7	Persistent Systems	5.1 to 9.1 LPA	25
8	LTI (L&T Infotech)	4.0 LPA to 6.5 LPA	135 in final HR round
9	Simplifyvms	6 to 8 LPA	In process
10	Virtusa	6 LPA	,,
11	Tech Mahindra	3.5 to 5.5 LPA	,,
12	NewGen	4.5 LPA	191 in Interview process
13	Wipro	3.5 to 5.5 LPA	In process
14	TCS	3.5 to 7.8 LPA	,,
15	Deqode	6 LPA	,,
16	Trilogy	36.4 LPA	,,
17	RxLogix	6.5 LPA	,,

| 18 | Vodafone | 4.5 LPA | ,, |

Item 27: To table the Exit Survey Report for passing out batch 2018-2022 & comparison with Exit Survey Index (ESI) of the previous (2021) batch

— The exit survey is collected from the graduating batch. Out of the 901 students graduated in year 2022, 814 (90%) students have submitted their responses.

Gender
810 responses

- Male
- Female

74%
26%

Your Course Name ?
811 responses

- B.Tech.
- B.Arch.
- M.E./M.Tech/M.Arch
- MCA
- MBA

89%
8%

Your Branch?
814 responses

- Civil
- Mechanical
- Electrical
- Electronics
- CSE
- IT
- Chemical
- Biotechnology

16.8%
14%
13.9%
12.7%
11.3%

1/3
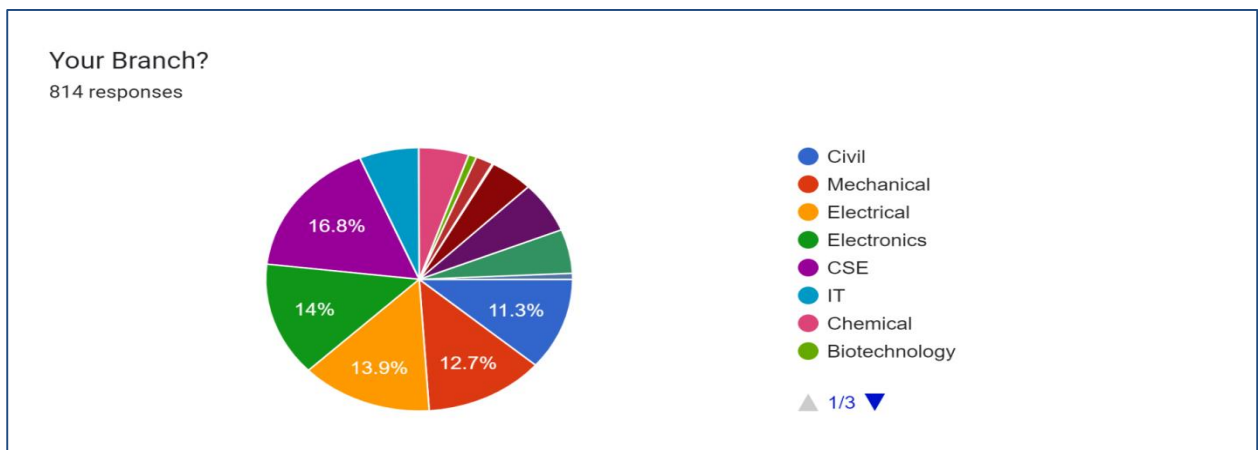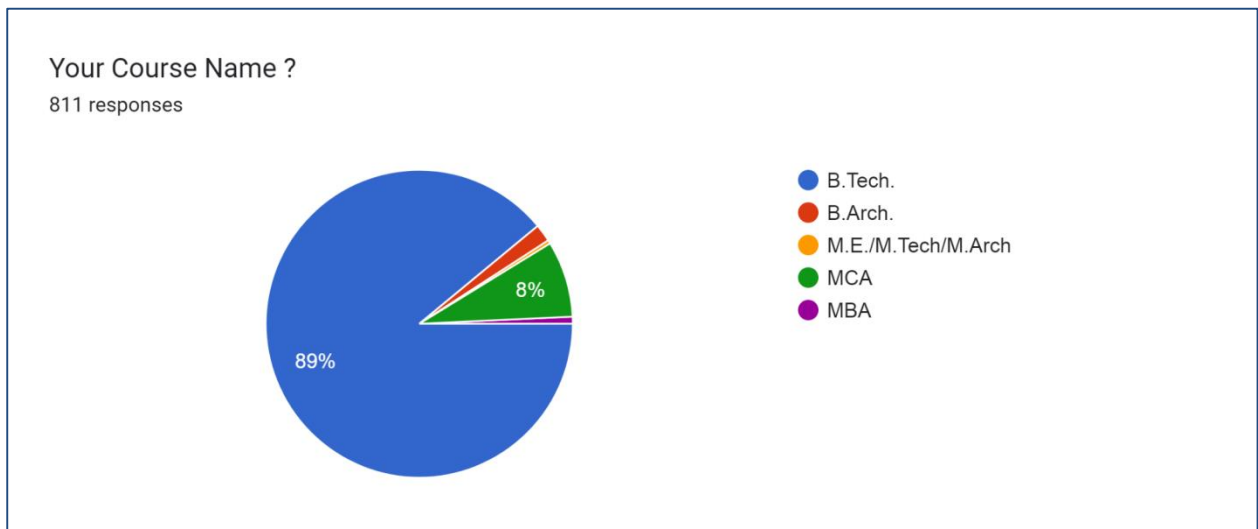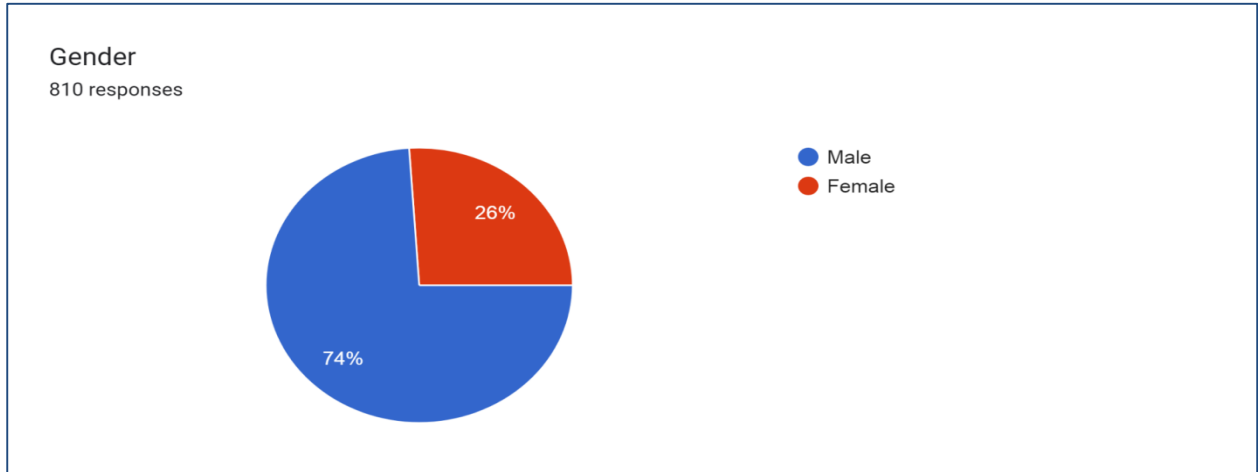
Rate the Faculty Teaching Approach in the UG or PG Programs:
814 responses
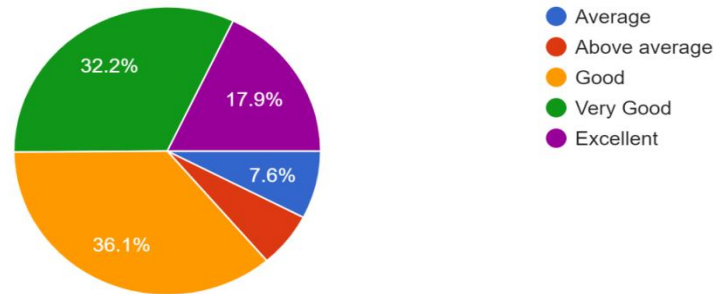
How were the teaching methods of faculty ? Methods such as participative learning, experiential learning, and problem solving methodologies for enhancing learning experiences were used.
814 responses
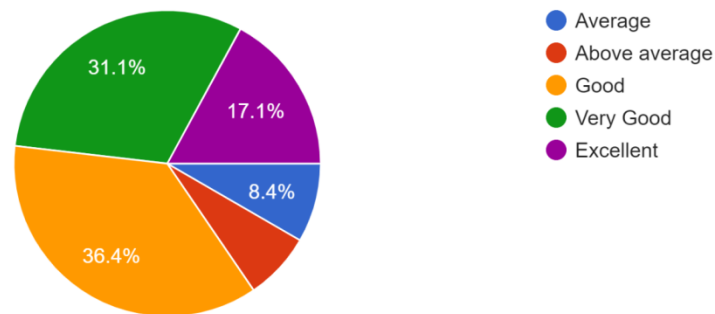
How was the usage of Learning and Technological Resources like LCD Projectors, Online Meetings /Boards, Multimedia etc. by faculty in the class?
814 responses
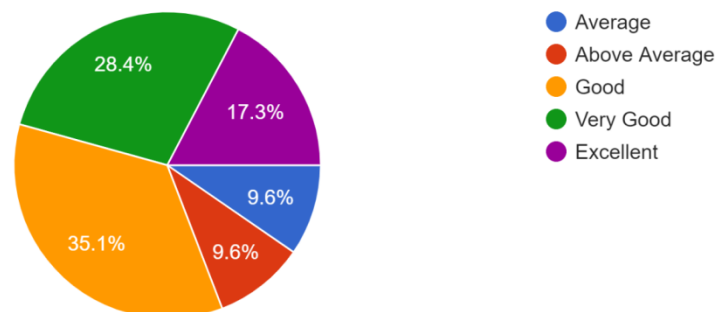
The full Syllabus of courses was completed through regular and additional/remedial classes

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent

32.9%
16.3%
9.2%
9%
32.6%
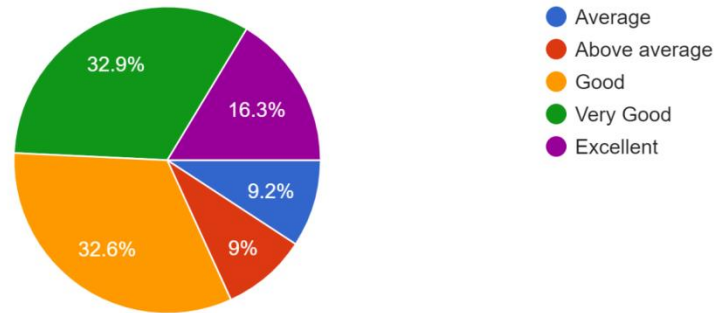
Relevance of Course curriculum or Program to Your Career Goals or Further Study:

814 responses

- Average
- Above Average
- Good
- Very Good
- Excellent

30.1%
16.6%
10.7%
35.4%
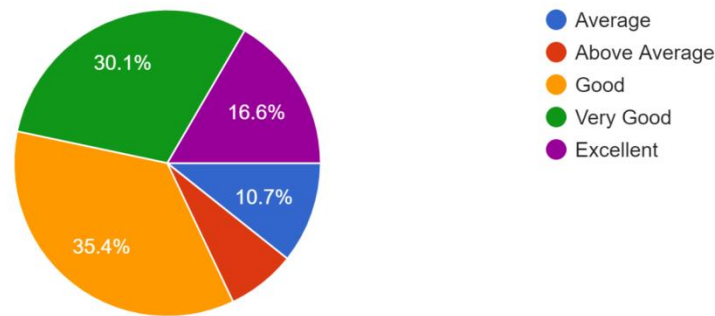
How was the teachers preparedness and communication in the class?

814 responses

- Average
- Above average
- Good
- Very good
- Excellent

33.9%
21%
7.2%
32.4%
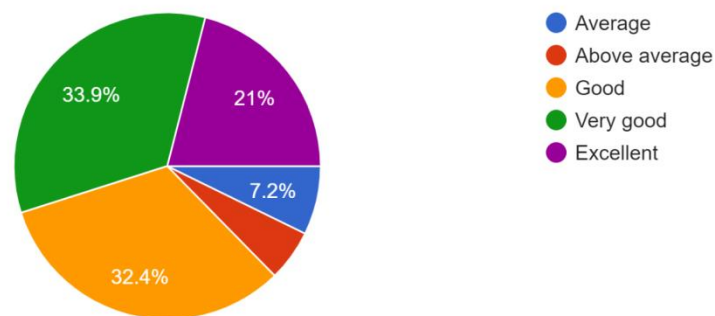
Does Faculty communicate to you about Course Outcomes (CO), Program Outcomes (PO) and expected learning & competencies from the course?

814 responses

- Average
- Above average
- Good
- Very good
- Excellent
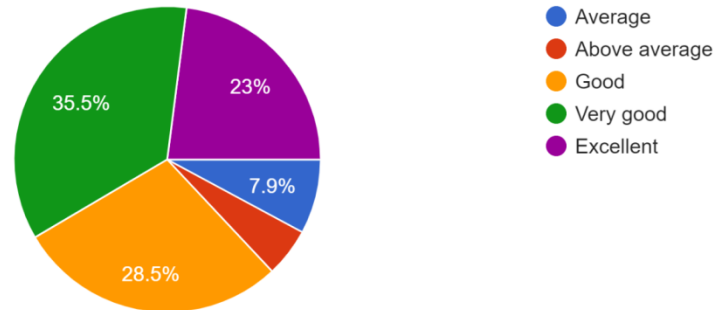
Institute helps you to improve your soft skills, life skills and employability skills to make you ready for Industry or Placements -

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
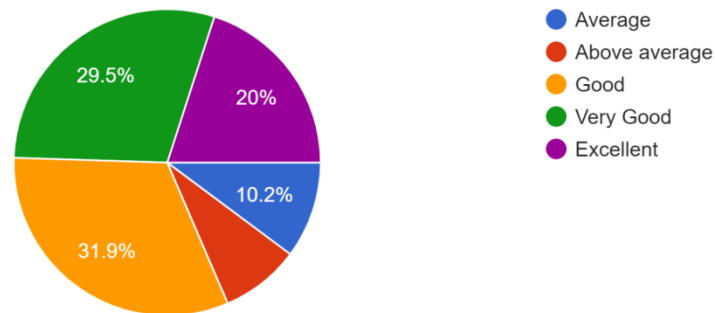
Institute support in Internships, Industrial Visits, Project work, Students exchange and other related activities was

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
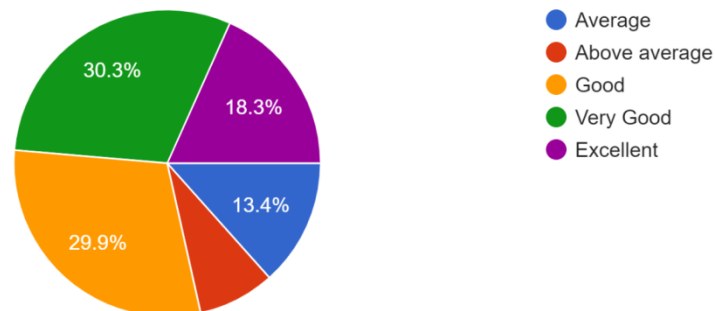
How were the Student Organizations, Technical & Social Clubs for your overall growth and learnings ?

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
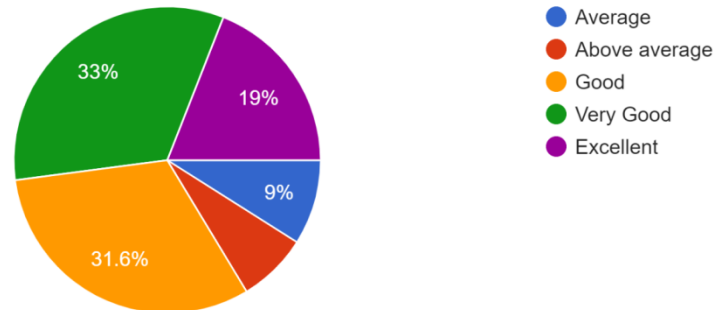
Promotion and Encouragement by Institute/Department for participation in Curricular and Extra-Curricular activities for development of students was

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
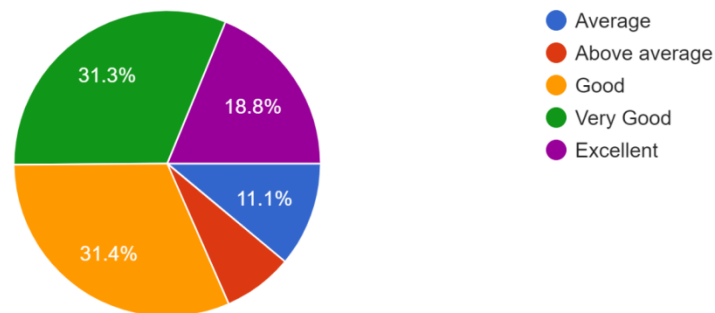
Quiz and assignments given by Faculty were helpful in learning?

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
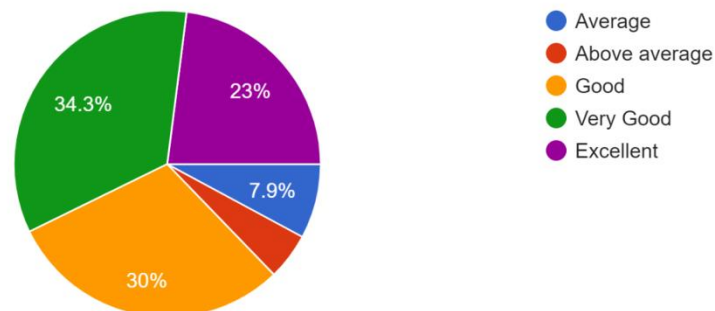
Fairness of Internal Evaluation process by faculty

814 responses
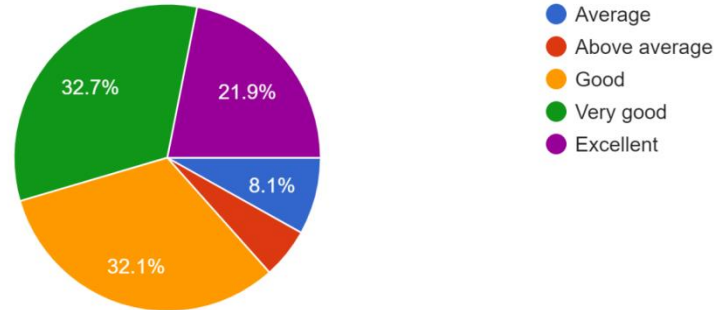
Library Resources in the Areas of Engineering, Research, Journals & e-Journals, Technical Magazines etc.

814 responses
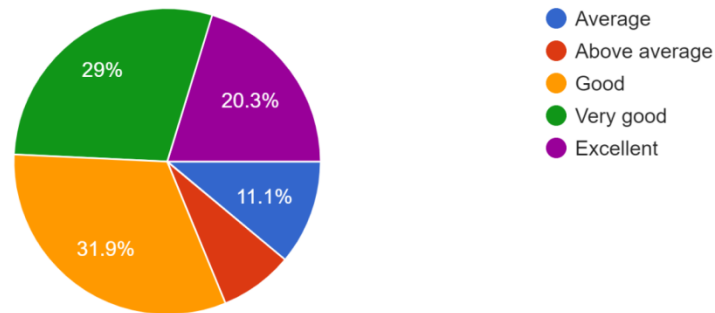
The flexible curriculum caters to individual career needs by providing choice of subjects. In your opinion, this curriculum approach is
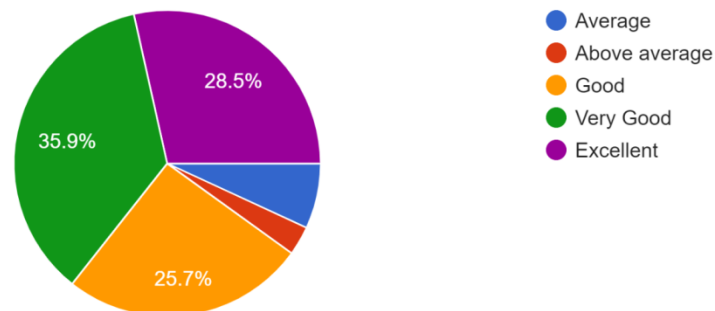
814 responses
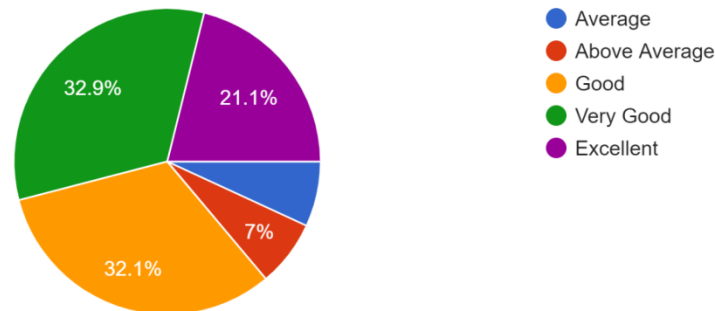
In the changing world knowledge of new technology and domains is expected from graduates. The NPTEL-MOOCs will help students in becoming self-learners and future ready

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
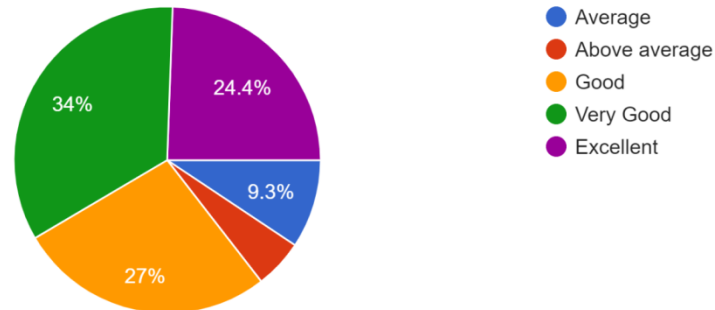
First time an opportunity was given for a full semester internship/project in final year. This provision will help in the career planning and growth for you and the future batches.
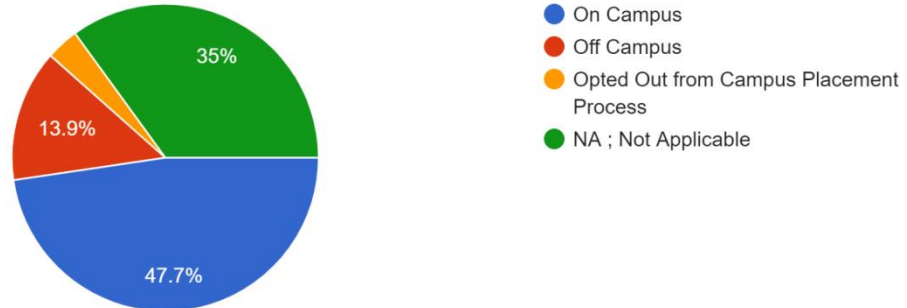
814 responses

- Average
- Above average
- Good
- Very Good
- Excellent

Training & Placement Support:

814 responses

- Average
- Above average
- Good
- Very Good
- Excellent
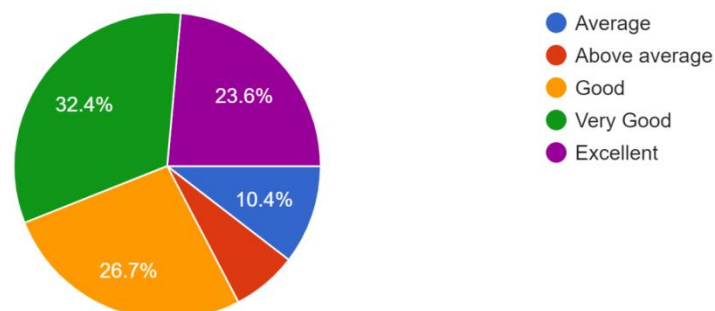
Were you selected for Job On Campus or from Outside?
814 responses

- On Campus
- Off Campus
- Opted Out from Campus Placement Process
- NA ; Not Applicable

35%
13.9%
47.7%

Opted for Job or Post Graduation?
814 responses

- Job
- MBA
- M.Tech
- Own Business
- Ph.D
- Further Study
- NA; Not Applicable

10.4%
25.3%
58.2%
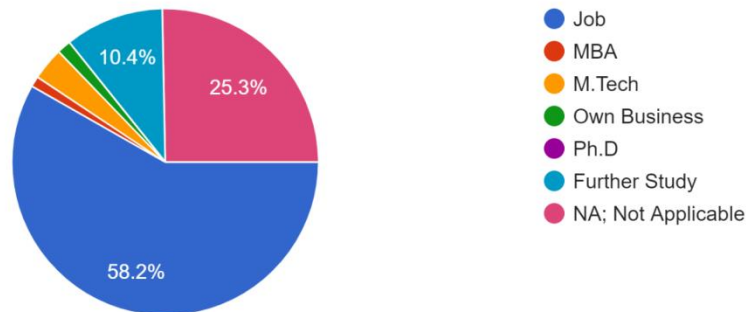
Have you Qualified or Not Qualified GATE Exam?
814 responses

- Qualified
- Not Qualified
- Not Applicable

69.9%
10.7%
19.4%
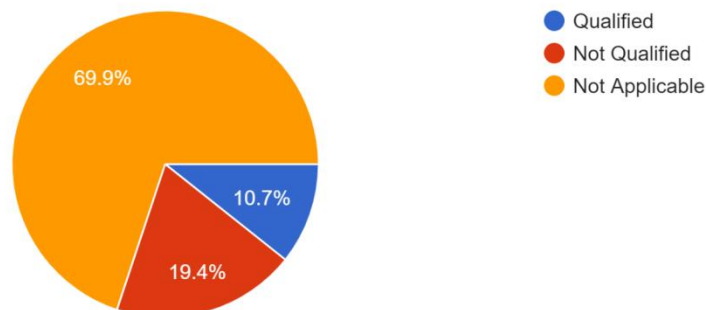
What have you chosen in your final semester?
814 responses

- Project
- Full time Internship

80.7%
19.3%
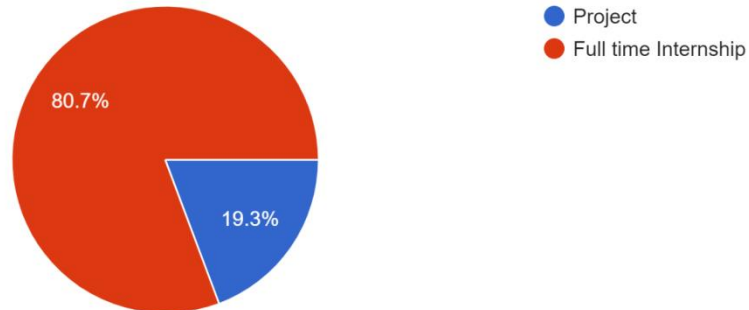
Were you getting stipend during your Internship in final semester?
814 responses

- Yes
- No
- NA (For Projects)

60.1%
14.4%
25.6%
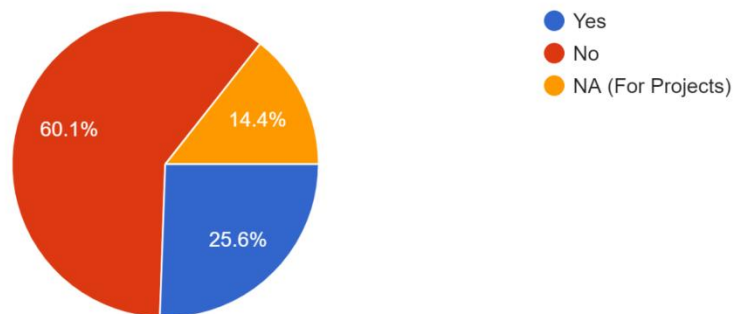
is your Internship company willing to conduct process for your Juniors?
814 responses

- Yes
- No
- Maybe
- NA

25.6%
44%
15.4%
15.1%

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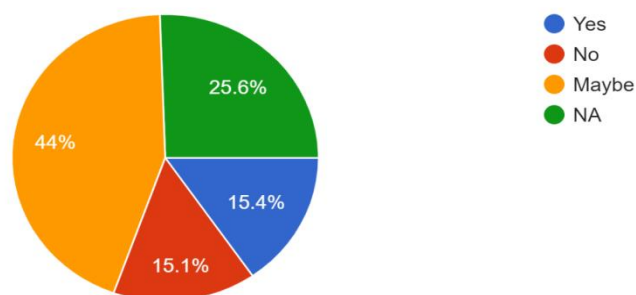
Are you getting any Job offer or Internship duration Extension in case of satisfactory work?
814 responses

- Yes- Job Offered
- No Offer
- Internship Duration Extended
- NA

38.6%
38.2%
20.6%
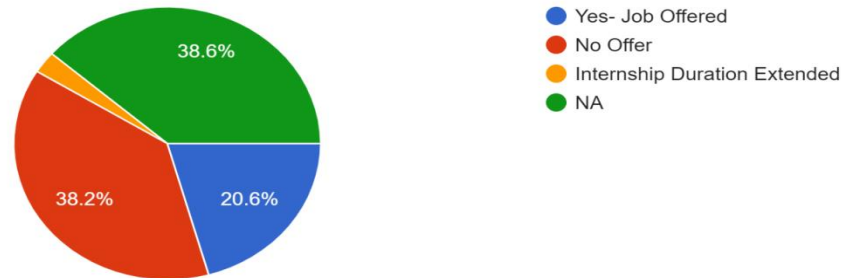
Comparison of exit survey report of 2021(821 responses) & 2022 (814 responses)

Comparision of ESI for year 2021 & 2022
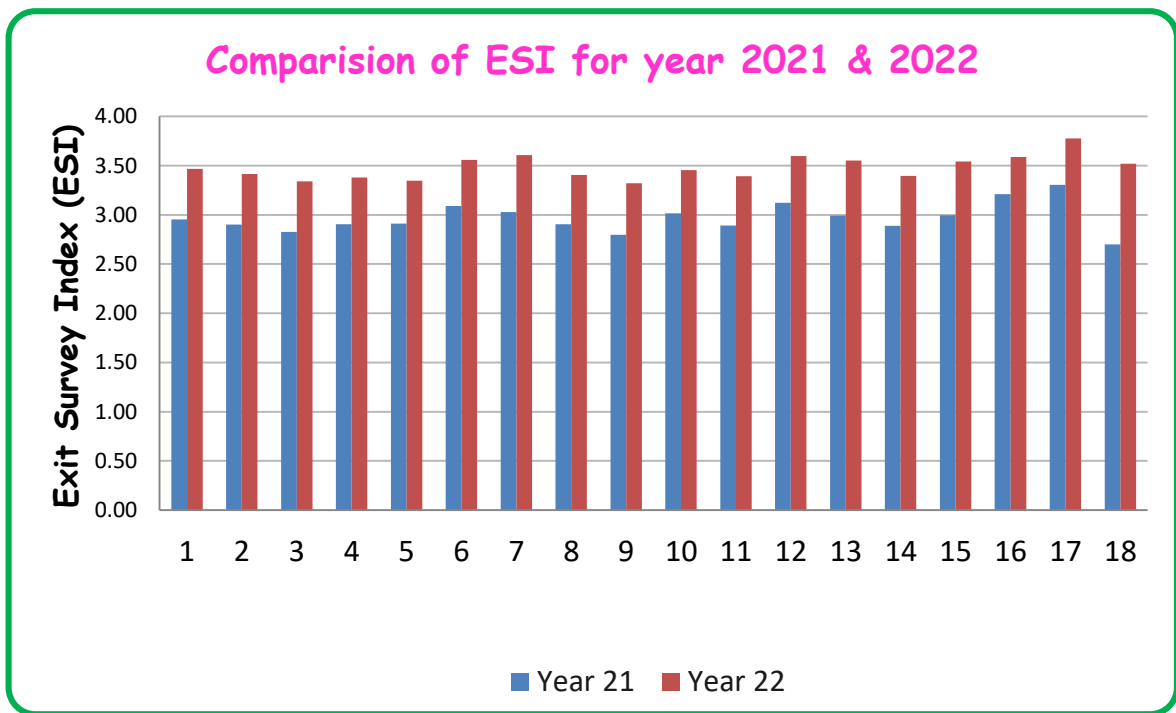
Comparison of exit survey

Year	Question	Average	Above Average	Good	Very Good	Excellent	Exit survey index
2021	Rate the faculty teaching in your programme	18.9	8.9	40.7	21	10.6	2.96
2022		7.6	6.2	36.1	32.2	17.9	3.47
2021	Teaching methods were participative, innovative	18.8	11.6	40.7	18.8	10.2	2.90
2022		8.4	7.0	36.4	31.1	17.1	3.42
2021	Usage of learning resources, multimedia etc.	22.4	14.6	31.7	20.5	10.8	2.83
2022		9.6	9.6	35.1	28.4	17.3	3.34
2021	Syllabus of Courses regular and remedial Classes	21.6	11.2	34.5	20.6	12.2	2.91
2022		9.2	9	32.6	32.9	16.3	3.38

Year	Item						Score
2021	Course curriculum or progrmme to your carrier goal	19.1	13.4	35.6	21.1	10.8	2.91
2022		10.7	7.2	35.4	30.1	16.6	3.35
2021	Teacher preparedness and communication in the class	14.7	11	38.1	23	13.2	3.09
2022		7.2	5.5	32.4	33.9	21	3.56
2021	Faculty communication CO/ PO and expected learning	16.3	11.7	37	22.7	12.3	3.03
2022		7.9	5.1	28.5	35.5	23	3.61
2021	Improve your soft skills, life skills and employability skills	19.5	12.9	35.7	21.3	10.6	2.91
2022		10.2	8.4	31.9	29.5	20	3.41
2021	Institute support in internship, industry visit and project work	24	13.9	31.4	19.9	10.8	2.80
2022		13.4	8.1	29.9	30.3	18.3	3.32
2021	Students organization Technical and social clubs	17.3	11.3	36.3	22.8	12.3	3.02
2022		9	7.4	31.6	33	19	3.46
2021	Promoting and encouragement by institute/department in curriculum	20.2	12.7	35.7	20.6	10.8	2.89
2022		11.1	7.4	31.4	31.3	18.8	3.39
2021	Quiz and assignment given by faculty for learning	14.4	12.2	34.8	25.8	13.8	3.12
2022		7.9	4.8	30	34.3	23	3.60
2021	Fairness of internal evaluation	17.3	14.4	35.4	23.5	12.3	2.99
2022		8.1	5.2	32.1	32.7	21.9	3.55
2021	Library resource e-journal, research and magazines	20.7	14	33.4	19.7	12.2	2.89
2022		11.1	7.7	31.9	29	20.3	3.40
2021	The flexible curriculum caters for individual carrier needs	16.9	11.3	37.1	24.5	10.1	3.00
2022		6.9	7	32.1	32.9	21.1	3.54
2021	NPTEL/MOOC it helps student becoming self learners	13.8	9.5	34.8	25.8	16.1	3.21
2022		9.3	5.3	27	34	24.4	3.59
2021	Full semester Internship /Project in Final year	12.8	7.2	35.1	26.6	18.3	3.30
2022		5.4	4.5	25.7	35.9	28.5	3.78
2021	Training and Placement support	28.1	13.3	29.8	18	10.7	2.70
2022		10.4	6.9	26.7	32.4	23.6	3.52

Item 28: To brief about the Activities conducted in this session under the SPICES-AICTE grant for ISTE Student Chapter

— The ISTE Student Chapter of the institute received sanction under the SPICES scheme.

— The full report will be presented in the next meeting, after the completion of tenure of the sanction is

ISTE Students' Chapter Activities sponsored by AICTE-SPICES (Scheme for promoting Interests, Creativity and Ethics among Students)

1. "**WIT-SEIZE**", technical event

Date	Event
07/09/2022	Online Assessment including reasoning and general aptitude
08/09/2022	Group discussion where students will get to know about their verbal abilities, language proficiency, etc.
09/09/2022	Personal interview round where a panel of faculty members will judge participants on certain criteria

2. "**YouVista**", techno-cultural event

Date	Event
20/09/2022-21/09/2022	Book Carnival 2.0 an open book fair, where students and readers from different colleges will get opportunity to explore and buy books of various genres like science fiction, thriller etc.
20/09/2022-24/09/2022	MPOWR 2.0 workshop on Self-defense, workshop covers training and counselling session on Korean martial art Taekwondo for spreading awareness on women empowerment among female students.
26/09/2022-27/09/2022	Ethical Hacking & Cyber Security Workshop

Item 29: To report on Events and activities in the institute during August-September 2022

— The reports of important events and achievements of the institute during August-September 2022 were presented.

— **Independence day celebration**
  o **Flag hoisting**
  o **Speeches by the Director and by the Honourable members of the board**
  o **Performances by students, poetry recital, speeches, dances and music**
  o **Flag March by faculty, staff and students**
  o **MITS letters were written in Human Form**

— All the student clubs are very active in this full offline session after almost two years Covid period.

— The full semester activity report will be put in the IQAC by the Dean Students Welfare office once the semester is over, in the December meeting.

— These are some of the activities which were organized at the institute level:
  o **Ganesh Utsav** from 31st August to 5th September 2022
  o **Garba-dandiya** on 26th & 27th September 2022
  o Two-day Hip-Hop workshop by Dance Club
  o **Felicitation of institute toppers** (IIIrd year) by Bank of Baroda

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- o **Gender Sensitization Workshop** by '**Gwalior Gynaecologists & Obstetricians Society**' under their national campaign "**Dheera: say NO to Violence Against Women**"
- o **'A 3-day Film Festival for Gender Sensitization'** organized by the **Girls Grievances Cell from 5th to 7th September 2022.**
- o **Hindi Diwas was celebrated on 14th September**

— **Achievement by the Dance Club students:**

- o **Won best college award in Dance competition on 75th Azadi ka Amrit Mahotsav celebration at Military Hqrs Gwalior**
- o **Won Second Prize in solo dance**

— Self-defence workshop by Department of Computer Science

GLIMSES

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Film Festival for gender Sensitization

अंजान व्यक्ति की कोई भी रिक्वेस्ट एक्सेप्ट नहीं करें: डंडौतिया

पीपुल्स संवाददाता ● ग्वालियर
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माधव प्रौद्योगिकी एवं विज्ञान संस्थान में बुधवार को साइबर क्राइम एवं उससे बचाव कैसे किया जाये, पर एक विशेष लेक्चर रखा गया। एडिशनल सुपेरिंटेंडेंट ऑफ पुलिस क्राइम राजेश डंडोतिया ने छात्रों को हाल में हुई साइबर क्राइम की बड़ी घटनाओं का लाइव उदाहरण देकर उससे बचाव के तरीकों की विस्तार से चर्चा करते बताया कि साइबर क्रिमिनल लालच देकर आपको अपने जाल में फंसाने की कोशिश करता है। अनजान व्यक्ति की कोई भी रिक्वेस्ट को एक्सेप्ट नहीं करें और किसी भी लिंक पर क्लिक करने से पहले उसकी ऑथेंटिसिटी जरूर जांच लें। कार्यक्रम में कंप्यूटर साइंस विभाग के विभागाध्यक्ष डॉ. मनीष दीक्षित, रजिस्ट्रार डॉ. प्रतेश जायसवाल, डीन छात्र कल्याण डॉ. राजीव कंसल, एग्जाम कंट्रोलर डॉ. पीके सिंघल, डिप्टी रजिस्ट्रार प्रभाकर शर्मा उपस्थित थे। कार्यक्रम में 200 छात्र छात्राओं ने भाग लिया। कार्यक्रम के अंत में सभी छात्रों ने घर-घर तिरंगा एवं आजादी का अमृत महोत्सव अभियान के तहत हाथों में तिरंगा लेकर तिरंगा यात्रा भी निकाली। इस अवसर पर संस्थान के निदेशक डॉ. आरके पंडित ने सभी को बधाई दी।

एमआइटीएस

रिप्रजेंटेशन के नाम से भी जाना जाता है सिनेमा

पत्रिका plus रिपोर्टर

ग्वालियर. सिनेमा के पास एक शक्ति है, जिसे रिप्रजेंटेशन के नाम से जाना जाता है, जिसका अगर सही तरीके से इस्तेमाल किया जाए तो वह दुनिया बदलने में मदद कर सकता है। मीडिया में रिप्रजेंटेशन की मूल परिभाषा यह है कि कैसे मीडिया जैसे टेलीविजन, फिल्म और किताबें लोगों या समुदायों को चित्रित करती हैं। इसी सोच के साथ एमआइटीएस के गर्ल्स ग्रीवेंस सेल ने फिल्म फेस्टिवल किया। शुरुआत डीन एकेडमिक डॉ मंजरी पंडित, डॉ अंशु चतुर्वेदी ने की। फेस्टिवल की शुरुआत यूट्यूब की मिनी सीरीज 'मेंज वर्ल्ड' से हुई। इसके बाद शॉर्ट फिल्म 'जूस' दिखाई गई।

एमआईटीएस में आत्मरक्षा प्रशिक्षण सत्र आयोजित

ग्वालियर। कंप्यूटर साइंस एंड इंजीनियरिंग डिपार्टमेंट और कराते डू एसोसिएशन ऑफ ग्वालियर ने मिलकर माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी ऐंड साइंस मध्य प्रदेश प्रांगण मे आत्मरक्षा प्रशिक्षण सत्र आयोजित किया। इस प्रशिक्षण सत्र में एक्सपर्ट सेंसुई संतोष पाण्डेय सर ने आत्मरक्षा की विभिन्न कराते टेक्नीक्स सिखाई। इस मौके पर सतीष राजे (सेक्रेटरी), धर्मेंद्र नागले (ज्वाइंट सेक्रेटरी), अनिल कुमार (कोच) ने भी प्रशिक्षण दिया। इसमें तकरीबन सौ से भी ज्यादा छात्र छात्राओं ने रजिस्ट्रेशन कियो ये सत्र डॉ. मनीष दीक्षित और प्रोफ. स्मिता परते के मार्गदर्शन में सफलता से आयोजित किया गया। इंस्टीट्यूट की फैकल्टी और स्टाफ कार्यक्रम के दौरान मौजूद रहे ।

एमआइटीएस में छात्र-छात्राओं को सेल्फ डिफेंस के लिए कराटे की ट्रेनिंग दी

ग्वालियर @ पत्रिका. एमआइटीएस कॉलेज के कम्प्यूटर साइंस डिपार्टमेंट द्वारा कराते-डो एसोसिएशन ऑफ ग्वालियर के सहयोग से सेल्फ डिफेंस ट्रेनिंग सेशन आयोजित किया गया। जिसमें 100 से अधिक छात्र-छात्राओं ने भागीदारी की। कराते-डो एसोसिएशन ऑफ ग्वालियर के टेक्निकल डायरेक्टर सेंसेई संतोष पाण्डेय और उनके सहयोगी धर्मेंद्र नागले, सतीश राजे, अनिल कुमार के द्वारा सेल्फ डिफेंस का प्रशिक्षण दिया गया। प्रशिक्षण के दौरान महिलाओं को मानसिक रूप से मजबूत बनने और उनकी छुपी हुई शक्ति के प्रति जागरूक बनने के लिए प्रेरित किया गया प्रशिक्षण में असामाजिक तत्वों से खुद का बचाव करना सिखाया गया, साथ ही बगैर हथियार के भी अपने शरीर के विभिन्न हिस्सों को वेपंस के तौर पर इस्तेमाल करने की तकनीकों का अभ्यास कराया गया। इस अवसर पर विभाग के प्रमुख डॉ. मनीष दीक्षित प्रोफेसर स्मिता परते एवं अन्य फेकल्टी और स्टॉफ के सदस्य उपस्थित थे।

| एमआइटीएस |

फर्स्ट आकांक्षा, सेकंड पीयूष, थर्ड अदिति रही

ग्वालियर @ पत्रिका. एमआइटीएस में इंडियन सोसायटी फॉर टेक्निकल एजुकेशन की ओर से विट सीज कार्यक्रम हुआ। पहले चरण में योग्यता के आधार पर परीक्षण हुआ, जिसमें 300 से अधिक विद्यार्थियों ने हिस्सा लिया 100 विद्यार्थियों को चयनित किया गया। द्वितीय चरण में ग्रुप डिस्कशन के आधा पर 22 विद्यार्थियों का चयन हुआ। अंतिम चरण में मूल्यांकन साक्षात्कार के आधार हुआ। इसमें तीन प्रतिभागियों को 10 हजार तक की राशि दी गई। इस पहला स्थान आकांक्षा सेन, द्वितीय पीयूष चौधरी, तृतीय अदिति त्रिपाठी का रहा

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ग्वालियर. हिंदी दिवस के उपलक्ष्य में एमआइटीएस में विद्यार्थियों को शैक्षणिक गतिविधियों में उत्कृष्ट प्रदर्शन के लिए पुरस्कृत किया गया। तीन छात्रों को 31-31 हजार रुपए के चेक दिए गए। कार्यक्रम में संस्थान के डायरेक्टर डॉ. आरके पंडित क्षेत्रीय प्रबंधक, बैंक ऑफ बड़ौदा अनंत माधव उपस्थित रहे। इस दौरान हुई प्रतियोगिताओं में इलेक्ट्रिकल इंजीनियरिंग की छात्रा इक्षिता त्रिवेदी, मिहिर निघोझकर, इलेक्ट्रॉनिक्स एवं टेलीकम्युनिकेशन एवं कार्तिकेय कुमार को पुरस्कृत किया गया।

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GIRLS GRIEVANCE CELL
Is Organizing a Workshop On

DHEERA

SAY NO TO VIOLENCE AGAINST WOMEN

OUR SPEAKERS

DR. SHASHIBALA BHONSALE SAO
PRESIDENT OF GWALIOR OBGY SOCIETY FOR 2022-23.

DR. KUSUMLATA SINGHAL
EX-PRESIDENT OF GWALIOR OBGY SOCIETY, OBSTRETRICIAN-GYNECOLOGIST.

DR. PREETI GUPTA
OBSTRETRICIAN-GYNECOLOGIST.

DR. VEENA PRADDHAN
OBSTRETRICIAN-GYNECOLOGIST.

TIME: 4-5 PM   DATE: 22.09.2022

LOCATION: CONCLAVE CENTER

CERTIFICATES WILL BE PROVIDED

Audience in the workshop on "SAY NO TO VIOLANCE AGAINST WOMEN"

INDEPENDENCE DAY CELEBRATION

Flag March on independence day 15th August 2022

LETTERS MITS MADE BY HUMAN FORMATION

Meeting ended with the thanks to chair.

(Dr. Pratesh Jayaswal)   **(Dr. R. K. Pandit)**
Coordinator IQAC   **DIRECTOR**
Date: 28.09.2022