



INSTITUTE OF TECHNOLOGY
& MANAGEMENT
GWALIOR • MP • INDIA

"THINK BIG... THINK BEYOND"

OJAS MAGAZINE

2020-2021



CAMPUS: Opp. Sithouli Rly. Station, N.H.-75, Jhansi Road, Gwalior, (M.P.)

www.itmgoi.in

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2020 -2021

VISION

To help the not-so-young students realize the writing skills within themselves and to make them encounter literature. We intend to provide the best of write-ups all the way from raw yet intellectual minds.

MISSION

Our mission as a student magazine is to ensure the real matter, the news, the write- ups and much more, all coming from the general interest within youngsters, who all, may, in the future, develop potential writing skills.

PATRONS

Shri Rama Shankar Singh

Chairman, Samata Lok Sansthan Trust

Ms. Ruchi Singh

Vice President

Dr. Daulat Singh Chauhan

Managing Director

Dr. Meenakshi Mazumdar

Director

Dr. S.S. Chauhan

Dean Academics

Dr. Manoj Mishra

Dean Student Welfare

Mrs. Megha Lahane

Editor-in-Chief, OJAS

Nidhi Namdev

OJAS, Student Editor



MESSAGE FROM THE DIRECTOR ITM



I am pleased to learn about the forth coming issue of the College magazine, Ojas 2020-21. The institute has progressed at an exponential rate since its inception in 1997. Many notable achievements have been recorded since then. This college magazine will help to showcase the activities that are happening on the campus. It also helps in building up team work which is very much needed today in their era of cut-throat competition. Since proper communication plays a vital role in an institution's development, this magazine will serve to reinforce and allow increased awareness, improved interaction, and integration among all of us. The plethora of interesting and exciting opportunities available to youngsters today often leaves them with an array of things to do. It is therefore important to help them build their focus on the subject that drains them most and gives shape to their vision. With these words, I appreciate the entire team of Ojas for their sincere efforts in bringing out this edition of Ojas magazine.



**Director
ITM**

MESSAGE FROM THE DESK OF EDITOR-IN-CHIEF



This year I had the honour and privilege of being the editor in chief of Ojas, the yearly magazine of the Institute of Technology and Management. I am very pleased to write a message as the editor in chief of ojas but message is like a vessel which endows with information. Writing about ITM does not require any introduction. ITM has retained its pioneer position not only in academics but in various fields.

Putting a magazine was a challenge yet Ojas is delighted to bring out the achievements, accomplishments of various departments, literary skills of students in a compiled format, under the Umbrella of ITM. This magazine gives a platform to our students for exhibiting their literary skills. We also develop and cultivate in students, the literary taste and study habits.

I, along with my team have spent hours to make this magazine standout. I owe a heartfelt thanks to all the contributors to ojas. In this pursuit I extend my immense gratitude to the dedicated team of ojas. Last but not the least I would like to express my heartfelt thanks to the ITM Management for their continuous guidance and motivation.

A handwritten signature in blue ink, appearing to read 'Megha Lahane', written over a horizontal line.

Mrs. Megha Lahane
Editor-in –Chief
Ojas, ITM

Impressions

We the students of ITM present to you the student's magazine 'Ojas', which is more than just a magazine, it's a pile of wandering thoughts and creative imaginations, informative data of the students brought up together. The idea was to push the students to tease their minds and come up with mind boggling answers to questions never asked. As the student editor I feel immense pleasure bringing this to you. As every information in it is the creamy layer of all those hundreds of contexts. I congratulate the whole team of 'Ojas' for their hardwork and making things happen.

**Student Editor
Nidhi Namdev
Civil Department**

Role of LMS During Online Education System

Vinayak Sharma
CE, VI Sem, ITM

Learning Management System, LMS is an online education hub that provides a large number of features to support educational activities such as classes, activities, assignments, books, grades. At the time of COVID, it has made a lot of changes in our education system.

During this pandemic situation, both teachers and students have faced a lot of challenges in educational system but at that time LMS has always been there to make this difficult time easy for both. Teachers have made a lot of efforts for students in this tough time to provide all necessary contents such as books, notes, ppts etc. It has become the main source for every work whether it is classes or the content of those classes is available only on LMS. It also provides recording of classes as well as assignments and activities. It has provided ease to the students so that they can understand the topic once again by watching its recording or content which they have not understood at once. Laboratory experiments have also been performed online, whose information is also obtained from here so that students will not miss their practical works. Teachers have made a lot of efforts to find all these necessary contents for students and it is the responsibility of students to take full use of it and make their study better in this online system also.

The screenshot displays the ITM (Institute of Technology & Management) LMS interface. The main banner features the ITM logo, a date stamp for April 04 at 02 PM, and a venue for an 'alumni interaction' event at Kautliya Block, ITM, Sitholi Campus, Gwalior, M.P. The banner also mentions 'PORTANCE OF ACURRICULAR ACTIVITY IN THE VITY DEVELOPMENT F STUDENTS' and 'alumni interaction'. A sidebar on the right lists 'Common Resources and Activities' including: CENTRAL LIBRARY, TAP CELL, CONFERENCES & SEMINARS, WORKSHOPS & CERTIFICATE COURSES, CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES, and IDEAPAD (INCUBATOR). The bottom of the banner includes contact information for Mr. Ank Managi, Shree Ji Gwalior, and a 25th Anniversary logo.

Atmanirbhar Bharat Abhiyaan

Jayesh Bhagat
ME, VI Sem, ITM

Atmanirbhar Bharat Abhiyaan is the mission started by the Government of India on 13th May 2020, towards making India Self-reliant. The Hon'ble Prime Minister, Shri Narendra Modi announced an economic package of INR 20 lakh crores, equivalent to 10% of India's GDP to fight COVID-19 pandemic in India. The Finance Minister, Smt. Nirmala Sitaraman announced the details of the measures provided under the Atmanirbhar Bharat Abhiyaan through five press conferences. These measures are provided to different sectors and areas to cover and help everyone affected by the pandemic. The measures were announced keeping in mind the five pillars of Atmanirbhar Bharat Abhiyaan.



The five pillars of Atmanirbhar Bharat Abhiyaan

1. Economy - That brings quantum jump rather than incremental change.
2. Infrastructure - To become the identity of modern India.
3. Systems - Technology-driven systems
4. Demography - India's strength is its demography, and it is the source of energy for self-reliant India.
5. Demand - Full utilisation of the power of demand & supply

Schemes launched under Atmanirbhar Bharat Abhiyaan

1. Agriculture Infrastructure Fund project - Financing facility of Rs. 1,00,000 crore will be provided for funding Agriculture Infrastructure Projects at farm-gate
2. Animal Husbandry Infrastructure Development Fund - Aim to support private investment in Dairy Processing, value addition and cattle feed infrastructure. An Animal Husbandry Infrastructure Development Fund of Rs. 15,000 crore will be set up.
3. Pradhan Mantri Matsya Sampada Yojana - For integrated, sustainable, inclusive development of marine and inland fisheries. Cage Culture, Seaweed farming, Ornamental Fisheries as well as New Fishing Vessels, Traceability, Laboratory Network etc. will be key activities. Employment to over 55 lakh persons.
4. Technology Development Fund Scheme - The Scheme encourages participation of public/private industries, especially MSMEs and start-ups, so as to create an ecosystem for enhancing cutting edge technology capability in the defence sector. The scheme will be limited to development of technologies or prototypes of products having potential use for National Defence.
5. Defence production & export promotion policy - To make India amongst the leading countries of the world in Defence sector, including Aerospace and Naval Shipbuilding sectors, from design to production, with active participation of public and private sector.
6. Pradhan Mantri Garib Kalyan Yojana - Rs. 1.70 Lakh Crore relief package under (PMGKY) for the poor to help them fight the battle against Corona Virus. Insurance cover of Rs 50 Lakh per health worker. 80 crore poor people given benefit of 5 kg wheat or rice per person, 1 kg pulses for each household for 3 months. Front-loaded Rs 2,000 paid to farmers under existing PM-KISAN to benefit 8.7 crore farmers. Building and Construction Workers Welfare Fund allowed to be used to provide relief to workers.
7. Incentive Scheme for Promoting Domestic Manufacturing of Medical Devices - The Scheme proposes a financial incentive to boost domestic manufacturing and attract large investments in the Medical Device Sector.

Demand Club: FIR

Ankit Shrivastava, ME, VI Sem, ITM

No shock to hear FIR as a PIL in any police station but it is a summation of three industries that is FMCG (F), Information technology (I) and real estate sector (R) Standing as a demand club of FIR. So the puzzle is solved that FIR simply abbreviates the club of these 3 sector's demand which has really emerged as a boon to the indian economy. Infact several industrial reports state that aa the FMCG sector will thrive at a CAGR of 27.86% whére as Real estate sector to hike by 28% GIT to stand at 19.93% approx. which clearly indicates FIR to surprise the future of India in the eyes of rest of the world. Indian Economy, being a part of BRICKS and G20 and other global organization is a leading market for world class companies to invest here in the form of FDI to dugout capital formation and enhance standard of living of people As covid19 introduce a new frangled work from home culture the demand for these industrial outputs has reached to the peak in the last 2 years and future also it will long last. FIR is a new dimension of success of our economy demanding highly trained professionals, up-to-date work technology and a furnished work space hence clubs the demand. Households and companies are expanding their pockets to go through with this latest demand trend. Thus it can inferenced to notify the upcoming demand and development cycle in the form of FIR.

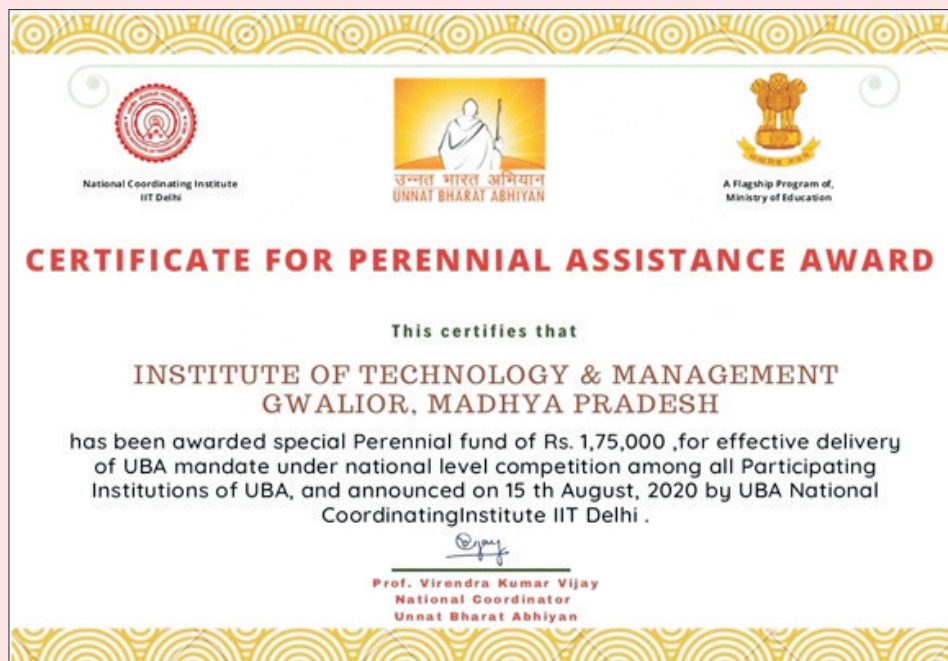
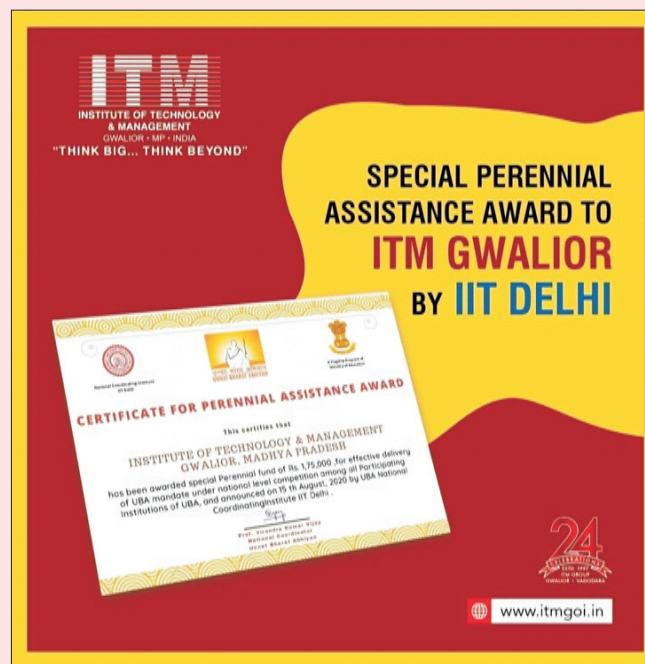
*CAGR- Compounded Annual Growth Rate.

*FDI- Foreign Direct Investment.

FMCG- Fast Moving Consumer Goods.

Achievement

August 15, 2020
Special Perennial Assistance Award



Events at ITM

August 22, 2022

Institute technology and management Gwalior organized a Webinar on August 22, 2020 at 11:00 AM on the topic "Secret to Reducing stress and creating balance" with eminent speaker Prof. (Dr.) Charudatt Prabhakar Pingale, Ex Professor & Nose, ear, throat Specialist medical college Mumbai, and National Guide, Hindu Jan Jagriti Samiti.



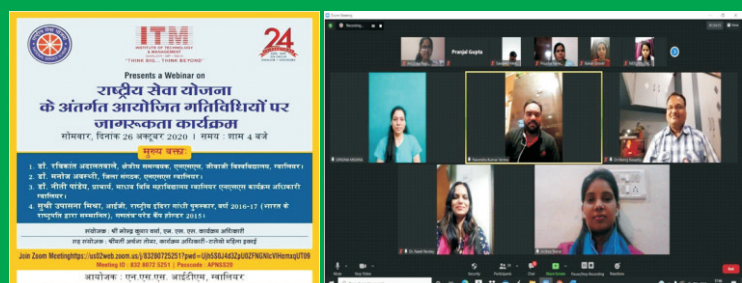
October 01, 2020

Division level online essay competition on the birth anniversary of Father of the Nation Mahatma Gandhi



October 10, 2020

Awareness program by NSS



January 05, 2021

A student got first rank in the competition of HIV AIDS and Blood Donation Awareness organized by AIDS Control Committee, Bhopal

आइटीएम के स्टूडेंट्स ने राज्य स्तरीय स्पर्धा में मारी बाजी

ग्वालियर. एड्स नियंत्रण समिति भोपाल की ओर से एचआईवी एड्स एवं रक्तदान जागरूकता विषय पर ऑनलाइन प्रश्न मंच प्रतियोगिता हुई। इसमें आइटीएम यूनिवर्सिटी के स्टूडेंट मुदित नारायण भार्गव प्रथम स्थान के साथ राज्य स्तरीय प्रश्नमंच प्रतियोगिता के लिए जीवाजी विश्वविद्यालय का प्रतिनिधित्व हेतु चयनित हुआ है।

यह प्रतियोगिता सर्वप्रथम क्लब स्तर पर आइटीएम की रासेयो इकाई के स्वयंसेवकों ने एवं अन्य स्टूडेंट्स ने प्रतिभागिता की थी। इसके परिणामस्वरूप तीन और स्टूडेंट्स



मुदित नारायण भार्गव (प्रथम), प्रवीण शर्मा (द्वितीय) एवं अजय सेंगर (तृतीय) का चयन जिला स्तरीय प्रतियोगिता के लिए हुआ था। जिला स्तर पर भी बेहतर प्रदर्शन करते हुए इन तीन स्टूडेंट्स में से एक स्टूडेंट मुदित नारायण भार्गव ने प्रथम स्थान प्राप्त कर यूनिवर्सिटी स्तर हेतु चयनित हुआ।

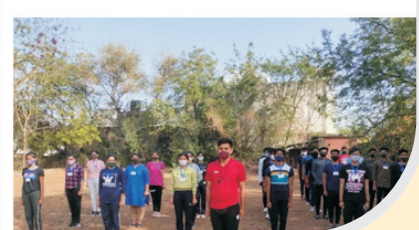
February 16, 2021

An Online Workshop was organized on Covid-19 Vaccination by NSS for first year students



March 22, 2021

Seven day special leadership training camp was organized by NSS unit of ITM at Vivekanand Needam, Gwalior. A seven-day NSS special leadership training camp was organized by NSS Unit of ITM at Vivekananda Needam. The chief guests and keynote speakers Dr. SS Bhakar (Vice Chancellor ITM University Gwalior), Dr. Ravikant Adalatwale (NSS Coordinator, Jiwaji University), Dr. Manoj Awasthi (NSS District Organizer) and Professor Archana Sharma (Program Officer Raja Man Singh Tomar University) enlightened the young minds during this camp.



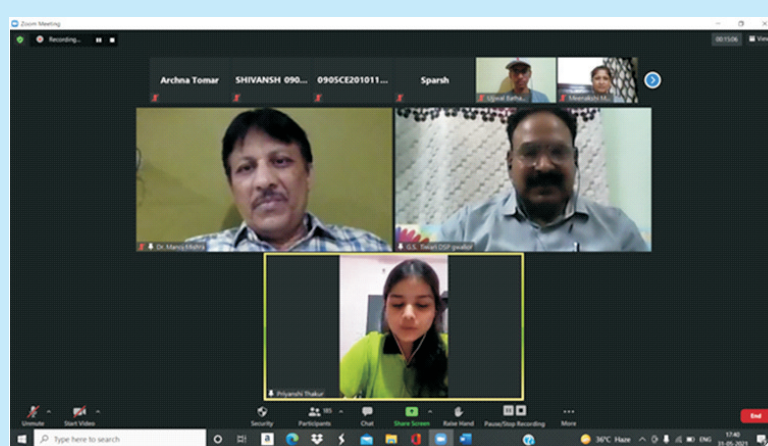
April 14, 2021

Corona Vaccination Awareness program with positive participation of volunteers of ITM



May 31, 2021

World Anti-Tobacco Day 2021 at ITM Gwalior! The National Service Scheme Unit of ITM Gwalior organized an online lecture program on World Anti-Tobacco Day in which Mr. G.S Tiwari, DSP of Crime(Finger Print) Department Gwalior district, interacted directly with 200 volunteers. He replied to all the questions raised by the students and also administered a pledge with all the volunteers about not using tobacco and all the products related to it. Director ITM, Dr. Meenakshi Mazumdar, Dean students welfare Dr. Manoj Mishra, program officer of National Service Scheme Mr. Narendra Kumar Verma, Mrs. Archana Tomar, Mr. Chandraprakash Bhargava and other faculty/staff members and students were present during this interaction.



June 05, 2021

Students of ITM College planted saplings on World Environment Day



Republic Day Celebrations at ITM!

On the occasion of the 72nd Republic Day, flag hoisting ceremony was held at NAAD Amphitheatre on 26th January 2021. The program started with hoisting the tricolored flag of our country along with the NCC Salute. Following this, The Chief Guest of the event Professor (Dr) Santosh Narayan khedkar, Pro Vice Chancellor, ITM University Gwalior, addressed everyone and motivated the young generation to work hard towards their goals. Music, songs, dances, and presentations were also made by the students as the celebrations continued. Student Ashwini performed a classical dance, Payal performed 'Desh Mera Rangeela', Pallavi performed 'Teri Mitti Mein Mil Jawaan', Vaishnavi sang the old classic, 'Ae Watan mere aabdrahetu' and Ishani Banerjee performed 'Ye jo desh hai mera Swadesh haimera'. At the same time, Student Aftab in his speech made special statements reminding us about the importance of our Constitution and the true value of the freedom fighters who sacrificed their lives in liberating India.



Online Workshop on 'Power of Yoga'

As the conditions in India begin to worsen up in Summer, it was of utmost importance for us to build up our immunity to fight Covid-19. For this purpose, ITM organized an online workshop on the topic 'Power of Yoga' by Dr Kapil Dave. The workshop introduced the participants to various benefits and advantages of practising Yoga on a daily basis. Some of the major benefits include improved body efficiency, balanced hormones, boost energy, boost immunity etc. The workshop was conducted on 29th, 30th April and 1st May

PEDAGOGICAL CHANGES IN THE INSTITUTE DURING PANDEMIC

Switchover from offline to online classes via LMS Platform during the COVID-19 Pandemic

LMS occupies a place of pride in ITM Gwalior and is an essential component of the Institute's outstanding research and education mission. It serves as a creative and innovative partner in supporting teaching, learning, and research activities of the Institute.

Importance of LMS Software during Covid-19 Pandemic

The world plunges into uncertain times as the COVID-19 virus continues to pose as a threat to everyone. Schools across the globe have closed down temporarily to protect students, teachers, and staff from possible infection. In fact, a study by UNESCO says that almost 1.2 billion of students in 143 countries are affected by the pandemic.

But thanks to the rise of online learning during COVID-19 pandemic, students can carry on with their education. Schools, colleges, and universities are shifting away from the four-walls of their classrooms and are taking advantage of the digital space. A recent study shows that educational institutions are willing to invest up to \$350 billion on education technology by 2025. This includes tools like video conferencing, virtual tutoring, and, most importantly, learning management systems (LMS).

A Learning Management System (LMS) is an online system or software which is used to plan, execute, and assess a specific learning process. In simple words, software used in eLearning programs and which helps in administration, documentation, tracking, and recording. Learning Management Systems are used to maintain online collaboration over the internet. Colleges and companies use them to deliver online training; corporates use them for training purposes, as well as for maintaining employee records. Some use them to offer courses that provide students access to education, and some others as an online system which staff use to support course delivery and provide online learning and blended learning opportunities for students and employees.

Objective- The main objective of Learning Management Systems is to enhance the learning process. A Learning Management System not only delivers content, but also handles registering courses, course administration, skill gap analysis, tracking, and reporting. Most LMSs are web based and are used in various educational institutes and companies to improve classroom teaching, learning methodology, and company records. They are used in various industries and scenarios like in financial services, compliance training, computer-based training, online assessment, collaborative learning, application sharing, and so on. Some LMSs also include a performance management system which encompasses employee appraisal, competency management, and skill gap analysis.

Benefits of Learning Management Systems

1. Stream lined training process- Using a Learning Management System makes things easier for you, as it helps plan

the training activities calendar which you can share with your learners, trainer, and co-administrators. By doing this you can maintain and improve your training process. An LMS also helps in getting trainer reports, which is a time consuming process when done manually.

2. Ability to deliver engaging and motivating training- This is a fact that each individual learns in a unique manner. If you apply different learning approaches, they increase your success rate. LMSs help in communication and balance the whole system.

3. Technology leverage- In this digital world the working system has totally changed. Today every employee is engaged with a laptop or desktop, and with the help of Learning Management Systems you make the training future ready; plus it becomes interesting and exciting for your target audience.

4. Centralized learning- It becomes easy to offer centralized source of learning to multiple users and the training, performance, and content can be accessed from the same source.

5. Tracking and reporting features- Another benefit of using an LMS is that you can enhance performance through tracking and reporting tools. New users' progress can be tracked, records can be reviewed, and users can register for more than one course. Learning can be done through web based training. Management can access the records and calculate which area needs improvement. The learners also become aware of the areas that need improvement and additional efforts, as the weak performance areas, can be identified easily.

6. Evaluation capabilities- Users can evaluate courses before joining, and employers can keep a track of the retention levels and real time performance by periodically scheduling assignments.

7. Easy upgrades- Content and information can be easily upgraded, as Learning Management Systems offer a centralized location for information which makes it simple to implement changes; plus, all users get the same upgraded information at the same time.

8. Simplified learning process- An LMS refines the learning process. The systems are easy to use and a new user can figure out everything very easily, since help is built into the system.

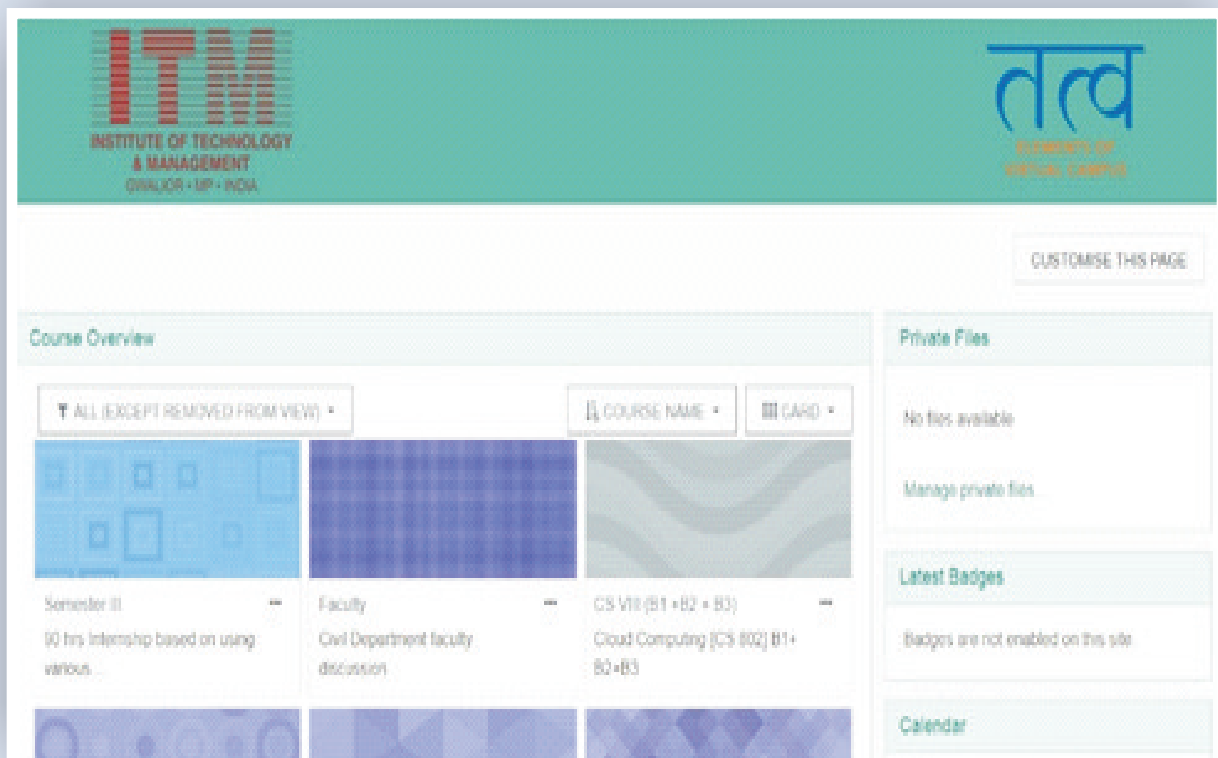
9. Reduced cost and time saved- The right LMS can reduce the training costs in multiple ways as the trainer doesn't need to travel now, so there are no boarding and lodging charges involved. The teaching cost reduces to great extent. Learning Management Systems save organizations and instructors' valuable time and money through web-based training.

10. Interactive environment- Through new online tools, the interaction and communication part improves. Learners get the answers in real time and the engagement is more geared toward being interactive.

11. Anytime, anywhere learning- Centralized uploading and online access ensures this. You can learn whenever and wherever you want to.

Learning Management System Features

1. Managing users, courses, roles, and generating reports.
2. Making a course calendar
3. Messaging and notifications
4. Assessments that can handle pre/post testing
5. Certification and display employees' score and transcripts
6. Instructor-led course management
7. Administration
8. Competency management



Circuit Life - Department Activities

Academic Achievements

- Faculty Retention > 75%
- Class attendance of students - close to 85%
- More than 50 GATE-Qualified Students

Training and Placement

Training of students from various disciplines have been done by technical experts of reputed companies such as:

- HPES
- Multi-soft
- ATS Infotech
- Illuminate Mind
- DreamUni
- Sofcon
- Aspiring Mind
- CETPA

Placement

Some of the reputed Recruiting Companies are:

- Cognizant
- Infosys
- Wipro
- IBM
- Igate
- Amdocs
- Persistent
- Mphasis
- Aon Hewitt
- ESS Pvt. Ltd
- FeDex
- IDPL
- Innoeye
- ICS (Off Campus)
- Thyrocare
- Hettich
- Era Group
- Around 30 reputed Companies have visited the campus so far for placement and some more good companies are in row
- Around 78% out of eligible appeared students have already been placed in good companies with handsome package so far and for others the process is continuing

Mechanical Engineering

Vision

To impart quality education in mechanical engineering to serve the changing needs of industry and society.

Mission

To impart quality education in the field of Mechanical Engineering by promoting values in students which will stimulate them to serve the needs of the industry and society by aiding in its overall progress and development by keeping dynamic equilibrium with its social, ecological and economic environment.



Civil Engineering

Vision

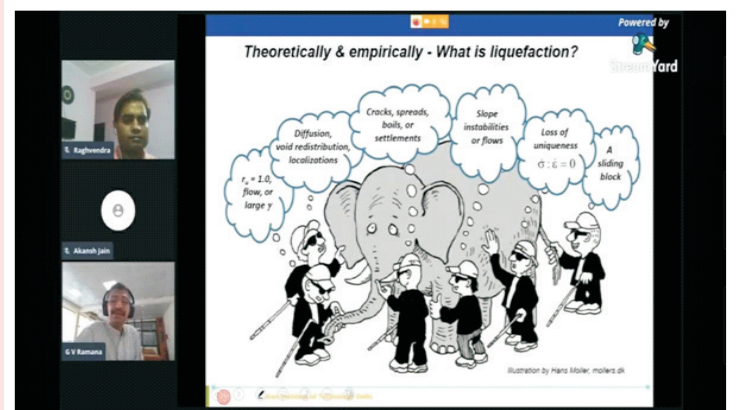
To be a center of excellence in the field of Civil Engineering for a constantly changing societal needs and challenges by imparting quality education and allied research.

Mission

- To offer the world class teaching, training and resources in Civil Engineering to the young minds of the nation.
- To produce technically sound Civil Engineering graduates to serve the nation.
- To produce Civil Engineers who are ethically and morally responsible towards the society and nation.



Department of Civil Engineering Organized a 3 Day Webinar series on " Seismic Hazard and Mitigation" organized on 23rd July 2020 to 25th July 2020. Speakers Dr. G. V. Ramana, Professor Department of Civil Engineering, (IIT Delhi) and Dr. Romanbabu M. Oinam, Assistant Professor Department of Civil Engineering (IIT Tirupati), Dr. Ramanathan Ayothiraman, Professor Department of Civil Engineering, (IIT Delhi), Coordinator: Mr. Akansh Jain, Mr. Ravi Pratap Singh Jadon, Convener: Dr. Raghvendra Sahu.



Department of Civil Engineering Railway Station visited of 2018-22 Batch in December 2020. A Group of 36 Students has visited railway station Sithouli and rail spring factory. Co-ordinator: Ms. Mansi Jain and Mr. Akansh Jain Convener: Dr. Raghvendra Sahu.

Department of Civil Engineering Railway Station visited at Construction site in DB City. A Group of 36 Students of 2017-21 Batch has visited construction site in DB city.



Department of Civil Engineering Railway Station visited at ISRO in Trivandrum (Kerala). A Group of 42 Students have Visited ISRO research center in Trivandrum. In these 7 days of visit students of CE has visited Construction of Dam in Allepay, ISRO in Trivandrum and Natural habitats in Munnar. Co Ordinator: Mr. Akansh Jain and Ms. Mansi Jain

Training of 'Revit Software' provided at ITM Gwalior.

Revit Software Training workshop was conducted at ITM Gwalior. To prepare the students through Industrial Training, this workshop was conducted by the Civil Engineering Department and The Training and Placement Cell. The Industries currently are linked with modern technology and all the software used in civil engineering at the institution level are taught such as AutoCAD, Graphics, etc. This training, however, prepares the engineers for tackling much deeper challenges of the Industry. Head of Department, Akansh Jain and Officer of Training and Placement Cell Arpit Singh Chauhan coordinated the training. Under this, students learned about the basic structure of any building. Along with this, planning was also taught according to Vastu Shastra. This software is very important for civil engineers in order to get good employment opportunities in the future.



Computer Science Engineering

Vision

The department envisions to nurture students to become technologically proficient, research competent and socially accountable for the welfare of the society.

Mission

- To provide high quality education through an effective teaching-learning process emphasizing active participation of students.
- To build scientifically strong engineers to cater to the needs of industry, higher studies, research and startups.
- To awaken young minds, ingrained with professional and behavioural ethics for the betterment of the society.
- Department of Computer Science organized a 3-day Workshop on Data analysis & visualization using pandas plotly & sea born in python. Speaker: Dr. Jitendra Singh Kushwaha, Associate Professor, Department of Computer Science, Institute technology and management, Gwalior from 16 - 18 July, 2020 via LMS Software.

ONLINE WORKSHOP ON
DATA ANALYSIS & VISUALIZATION USING PANDAS, PLOTLY & SEABORN IN PYTHON
 16-18 July, 2020 | 7-9 PM

TOPICS TO BE COVERED IN THE WORKSHOP:

- Basics of Python
- Concept of Data Frame & its operations
- Data Analysis using Pandas
- Data Visualization using Matplotlib, Seaborn, Plotly

REGISTRATION:
 Rs. 150 per participant (including study material)

SPEAKER:
JITENDRA SINGH KUSHWAH
 Assistant Professor
 ITM Group of Institutions
 Gwalior, MP, INDIA

LAST DATE OF REGISTRATION: 15TH JULY, 2020

CONTACT: MR. JAYANT BHIDE, REGIONAL VR CSI REGION-3
 +91-9425109013, 9926237184 csi.workshop.gwalior@gmail.com

www.itmgoi.in

- Department of Computer Science organized a One-day Workshop on Mean Stack Development Resource Person: Mr. Vilekhada Wadkar, Universal Informatics Pvt. Ltd Indore (MP), and Coordinate person Mrs. Archana Tomar and Mrs. Priusha Narwaria, Assistant Professor Department of Computer Science, Institute technology and management Gwalior, Gwalior on Dated 6hNov, 2020 via Online Mode through ZOOM App.
- Department of Computer Science organized a One-day webinar on ata Analytics and Machine Learning esource Person: Dr. Sanjeev Sharma, Director SOIT, RGPV, Bhopal (MP), Coordinate person Mrs. Neelam Joshi, Assistant Professor, Department of Computer Science, ITM, Gwalior on Dated 31st Oct, 2020 via Online Mode through ZOOM App.





An interaction session was held with students of pre final year and briefs them about upcoming companies and their test patterns.



TAP cell officials interacted with students and took feedback about ongoing training activities.



Experts from SSDN technologies took session with students and gave training on IOT.



SSDN Technologies completed technical training for students of 2018 - 2022 batch students.



Technical training on Cloud computing was held for the students of 2016-20 batch students.



Technical training for Python was delivered by Mr. Amit from SSDN technologies to students of 2018-22 batches.

Electronics and Communication Engineering

Vision

The Electronics and Communication Engineering department envisions to prepare world-class technocrats and entrepreneurs with fresh ideas and innovations to meet the demands of industrial development and social commitment.

Mission

- Prepare students to solve real world problems through research and develop their entrepreneurship skills.
- To provide high quality education with effective teaching pedagogy.

MBA

Vision

The department envisions to flourish analytical, managerial, entrepreneurial attitude besides inculcating ethical values for the holistic development of learners to create positive societal change.

Mission

- To cultivate a learning environment suitable for the creation and dissemination of management knowledge.
- To develop innovative and dynamic business leaders who add value to society and nation-building.
- To develop industry-academia interaction in a collaborative manner which provides industrial exposure and experiential learning.
- Program Educational Objectives Statements
- To equip the students with KSA (Knowledge- Skill – Ability) to sharpen and prepare them to face challenges through effective decision making, analytical and critical thinking to excel in career.
- To develop comprehensive knowledge of the business activities and harvest creativity and innovation among students.

Department of Management Organized a Webinar on “The challenging role of entrepreneur in current scenario” organized on 29th Sept 2020. Resource person Mr. Nitin Vatwani, Senior Manager, Bank of India Coordinator: Dr. Ankit Gupta, Dr. Prashant Sharma

Convener: Dr. Preeti Singh.



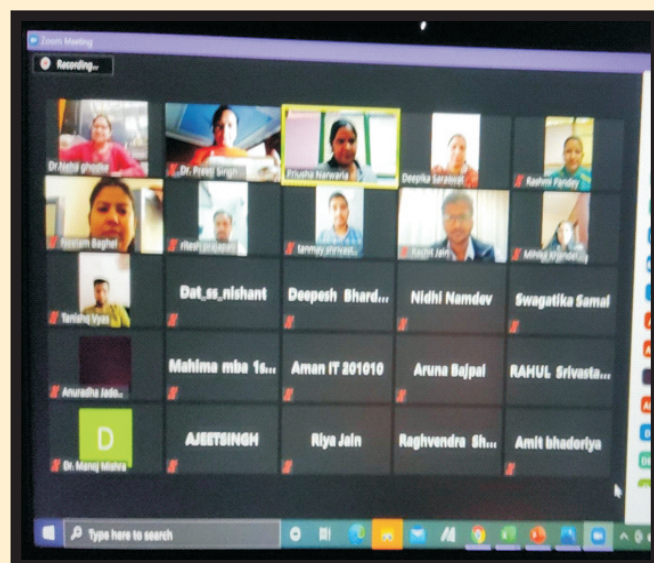
Women Empowerment Cell

WEC celebrated the 'HAPPY PERIODS DAY', to create awareness amongst the society and push the stigma away. Dr. Swati Agrawal, renowned gynecologist and Obstetrician of Gwalior was the Key speaker on the occasion. She made the girl students aware that how the changing life style is affecting the health of our young females and are becoming anemic. PAD Women Foundation, President Mrs. Kiran Bajpai also graced the program along with her team. They are playing a vital role in Bringing awareness amongst the village women about using safe and hygienic protections during periods.





WEC, ITM organized an Expert Lecture on 'Women Rights' by Ms. Anuradha Singh (Govt. Advocate M.P. High Court). About 250 students attended the program in presence of the faculty members of ITM. Ms. Anuradha Singh spoke on the rights given to women under Indian Constitution. Also asked the females to raise their voice against the exploitation of female gender.



Women Empowerment Cell of ITM Gwalior organized a panel discussion on the occasion of Women's day. The event was held on March 08, 2021 at 1:00 PM. The topic for the discussion was "Status of Women in India".



Interactive session with Dr Neha Ghodke at ITM Gwalior!

The Women Empowerment Cell ITM organized an interactive session with Dr. Neha Ghodke on "Importance of POSTURE in DESK JOB PROFESSIONALS". She is MPT (GYNAE & OBS) and one of the most renowned gynecologists & obstetrics doctors in the city. Dr. Neha was live in the interactive session on February 24, 2021.

ITM Alumni Relations Cell

The Alumni Relations Cell provides a liaison and strong bridge between the alumni of ITM Gwalior, Alumni Association Board, and its trustees, administration, staff, faculty, students, and friends for joint profit and synergy.

ITM Alumni Association-

Purpose:

The Purpose of the ITM Alumni Association is to communicate the vision and mission of ITM to the alumni. The Association may proactively strive to create an environment embodying communication with and participation by the Alumni Association and friends to foster strong loyalty and growth of the institute.

Members of the Association extend an invitation to alumnae by sharing the values and support, competence and strengths of one another in order to provide direction to move the organization forward, and to provide support for the institution.

Vision:

Our vision is to involve and encourage alumni to participate actively in the ITM Gwalior, to attend events, to volunteer, to create new ways for alumni to stay connected to ITM and enhance greatest possible number of alumni and alumnae with ITM Gwalior and to contribute to the greatness of their alma-mater.

Mission:

The mission of ITM Alumni Relations Cell and the ITM Alumni Association is to cultivate Lehigh loyalty through meaningful relationships in support of ITM's Vision and create a lifelong and worldwide community of alumni through increased opportunities for meaningful engagement in order to increase awareness, pride, participation, volunteer involvement, and philanthropic commitment to ITM Gwalior.

Aims and Objectives of ITM Alumni Association-

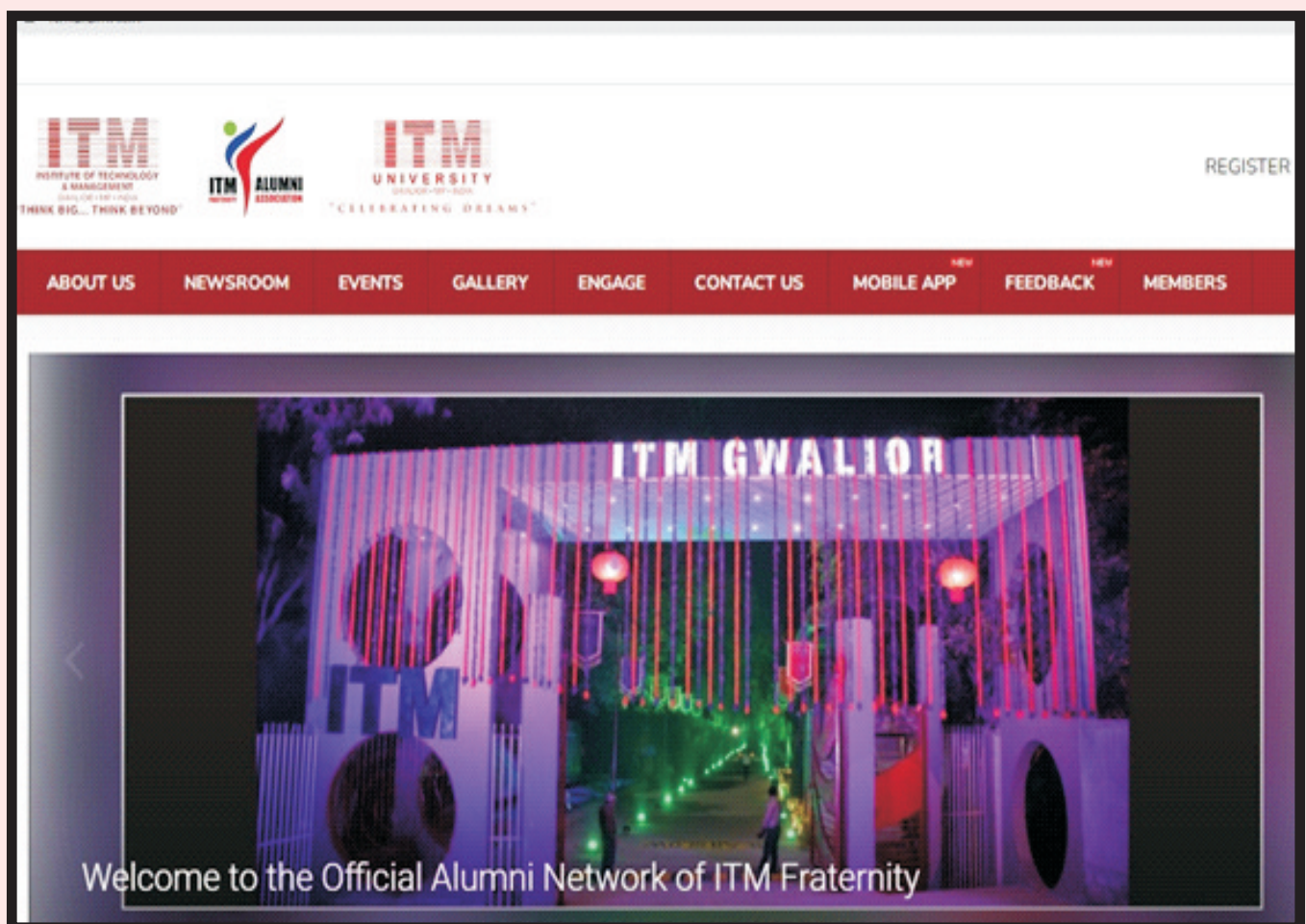
- 1) To act as two-way communication link between the alumnae and students in order to strengthen connections and encourage involvement with the ITM Gwalior.
- 2) To develop a platform for interaction between alumni, present students, faculty, and administration of ITM Gwalior.
- 3) To develop alumni-students' interactions and programs that foster relationship among alumni and students to encourage the physical, moral, spiritual growth and highlight their achievements.
- 4) To improve and assist the ITM in the growth of its academic, administrative, cultural, extracurricular activities and continue the process of life-long learning with the help of active participation of the alumni.
- 5) To build strong and mutually beneficial ties between the ITM and its diverse alumni, promote goodwill in the community and create a dynamic alumni mentorship program, alumnae networks that will stimulate interest, build loyalty, increase involvement and generate support for the institute.
- 6) To develop and foster a mutually beneficial relationship between the ITM Gwalior and its alumni. We will accomplish this by providing educational opportunities, social programs, services, and benefits to meet the diverse interests of the institute and the membership.
- 7) To provide a forum for the Alumni to swap ideas on academic, cultural and social difficulties by building and coordinating events.
- 8) To estimate the expertise and practice board of the alumni association to set the strategic board and administrative body to leading research and entrepreneurial ventures by alumni association that will concentrate on Academic Improvement, Student Advancement, Alumni Enrichment, and Community Relations.
- 9) The association will proactively strive to create an environment embodying communication with and participation by ITM Alumni Association and friends to foster strong loyalty to the institute and growth of the association.
- 10) **To carry out the following-**
 - Function as visiting / guest faculty for the students and faculty.
 - Help students in their industry internships and company placements.
 - Lead mock discussions and conferences and mentoring programs for the students before their internships and placements.
 - Conduct gatherings and expert talks by entrepreneurs' personnel to approach students for their professional learning and occupation.
 - Act as experts for any cultural / technical events organized by the Alma Mater.
 - To conduct tech-fests, seminars, webinars and workshop for the students.
 - To guide and support students to work on live case studies and with experienced advocates.
 - Help students with developing relationship for professional and academic enrichment.
 - Manage several clubs and social shows of informative significance for the advantage of the students.
 - Organize technical and social meet for the students and members.
 - To assist the Alma Mater in conducting online and offline test series / examinations.
 - To accommodate institutional tours and visits authorization for the member.
 - To maintain a web-site and e-portal of the alumnus.
 - To maintain and update the data base of all the alumni of the institute and to interact with them.
 - To involve the members in the overall development of the institute and the Society
- 11) **To provide following benefits to its members:-**
 - Opportunity to use the library of the Alma Mater.
 - Opportunity to participate in the academic and cultural events organized by the Alma Mater.
 - Possibility to utilize the computer lab and Internet support of the Alma Mater.
 - Opportunity to be part of the annual get-together followed by alumni meets.
 - Give guidance for professional augmentation and career advancement.
- 12) To give Studentships, Awards, Financial assistance, books, and/or Stationery to the needy and deserving students, etc.
- 13) To provide remedial support to the needy students.
- 14) To celebrate all national traditional Occasions.
- 15) To shape and execute student welfare programs/activities to create self-reliance among the poor and the needy students.
- 16) To teach the society in social Duties and give the knowledge and understanding of various Social Services available to enable them to use.
- 17) To give career and vocational administration to students.
- 18) To offer guidance for professional and career development to the students.
- 19) To give relief assistance at the time of natural disasters and crises.
- 20) To award studentships, stipends, medical and other grants to pupils and deserving men and women and who study in school conducted by the society.
- 21) To encourage and assist the poor and other deserving people by giving food, shelter, periodical distribution of fabric, medicine, and financial assistance.

Specific initiative taking during pandemic COVID-19

During the pandemic critical time, Alumni mentorship Program played a vital role for the learning and moral boost up of our students, the ITM Alumni Mentorship Program enables alumni to share their professional and personal experience and expertise with current ITM students. The connections made in the program help prepare our students for a successful future, navigate uncertainty, and leave a lasting impact on our campus community.

As an alumni mentor, alumni will have the opportunity to provide student(s) academic guidance as well as career and personal development advice. Your insights on managing change and overcoming difficulty can have a deep and profound impact, particularly during this difficult time. We encourage mentors and students to connect on a regular basis (e.g., once-a-month phone call, in-person meeting when safe, or email conversation); however, the frequency and form of communication are things you can determine together.

With students in remote learning for the time being, our alumni are even more crucial to our students' success. Their mentorship can help a student create a game plan for the year ahead and even begin to build their network. Mentorship can also help students to move through their career discovery process without being on campus. Whether you are right down the street or across the globe, we invite alumni from around the world to be part of the ITM Alumni Mentorship Program.



Beyond Classroom

IDEAPAD

IDEAPAD is the business incubator in ITM campuses. It is envisioned that if various streams of ITM group and students concentrate on solving issues related to the region, their communities, the success of these experiments can be scaled commercially into an enterprise. There are 7,000 incubators of different kinds around the globe. They create jobs, grow companies and help technologies evolve. IDEAPAD is being evolved around resources available in the ITM Group and will ensure their optimum utilization.

- The Ideapad Incubation Centre of ITM Gwalior conducted an 'Idea Competition' to fuel and motivate all the entrepreneurs among us. The opportunity through this competition is that students can compete to get their ideas noticed and seed-funded by ITM Gwalior itself.



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Certificate Course on Entrepreneurship at ITM, Gwalior !



Art Club

- Stunning Cake Decoration Competition!

The Performing Art Club of ITM, Gwalior organized an interesting cake decoration competition on the 8th of May. This competition was conducted over the TATVA E-learning platform and laid the ground for innovative and creative cake decorations by the very talented students and Faculty Members of ITM, Gwalior.

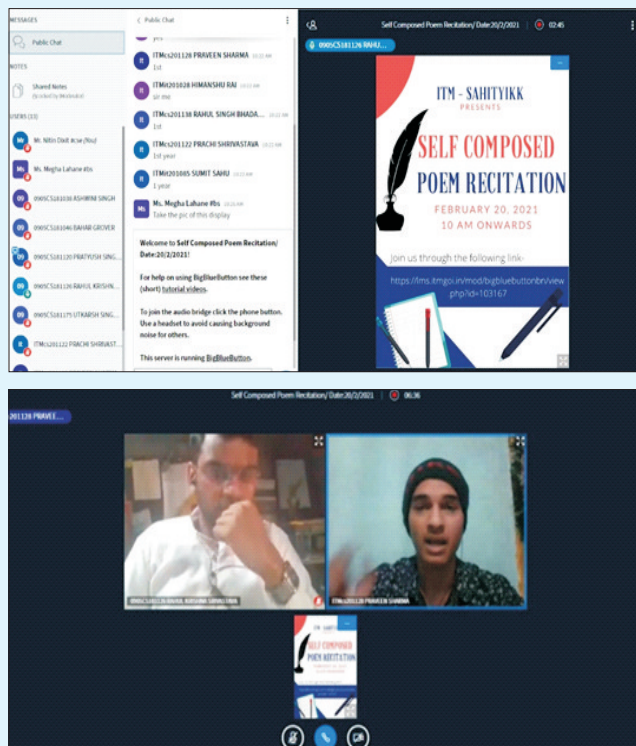
- Performing Arts Club of ITM Gwalior organized in-house T-shirt/Jeans Painting Competition on 26th June, 2021, on Tattva-LMS (Virtual Campus).



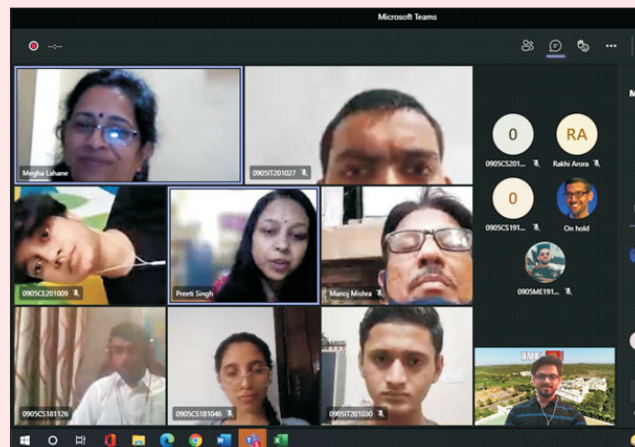
- Performing arts club, ITM organized singing/instrumental and mehendi competition on 20th February 2021 for the students of ITM

Literary Club

- Sahityik, Literary Club of ITM Group of Institutions, Gwalior organized self composed poem recitation on 20 feb 2021 in online mode.



- Sahityik, Literary Club of ITM Group of Institutions, Gwalior organized in-house Slogan Writing Competition on 21st June 2021.



Film Club

Film Club of ITM organized the screening of *Classic Comedy Cinema* jointly with the Film Club of ITM University, Gwalior on its E-Learning platform TATTVA. Students got an opportunity through this 'Classic Comedy' how expressions and emotions could be wrapped in a bundle of comedy and satire.



Short Film activity at ITM Gwalior!

A Short film activity was conducted at ITM Gwalior by the film and photography club of the ITM Gwalior. This Competition was conducted on 25th January from 3:00 pm onwards. Students submitted their films on the topic 'Covid-19'.

Muskaan

Muskaan is a youth driven non- profit organization working to ensure educational, emotional and financial support to the children living in slums and orphanages. Muskaan registered as a non – profit in 2014, Muskaan reaches out to over 300+ children in 5 centres across 3 cities (Gwalior – Bhopal - Indore) in India, through a highly efficient 200+ strong volunteer's network. Volunteers commit a year and spend time between 3 to 5 hours every week mentoring, teaching and interacting with these children in order to ensure they get the support and care they need during childhood. Muskaan provides English support (Reading-writing-grammar) to children at least 4 days in a week after school hours of children.



A Wish is a youth organization co-founded by college students Shivani Dixit, Monika Sharma and Mohd. Hamza in December 2020. It is working in the areas of women & child development and awareness.



Faculty Achievements

Name of Employee	Designation	Department	Course Name	Organized by	Duration
Mr. Akansh Jain	Assistant Professor	Department of	21 Days internship by IIRS on remote sensing and GPS	ISRO	10 June - 01 July 2020
		CE			
Mr. Akansh Jain	Assistant Professor	Department of CE	Invited as Key note speaker on "Carriers in Civil Engineering"	Vaannaha Education	5-Jul-20
Mr. Akansh Jain	Assistant Professor	Department of CE	3 Days Seismic Hazards and Mitigation	ITM, Gwalior	23-25 July 2020
Mr. Ravi Pratap Singh Jadon	Assistant Professor	Department of CE	21 Days internship by IIRS on remote sensing and GPS	ISRO	10 June - 01 July 2020
Mr. Ravi Pratap Singh Jadon	Assistant Professor	Department of CE	3 Days Seismic Hazards and Mitigation	ITM, Gwalior	23 - 25 July 2020
Mr. Ravi Pratap Singh Jadon	Assistant Professor	Department of CE	RGPV TEQIP webinar on Simple vastu Tips on Positive Energy in Home	RGPV Bhopal	28/06/2020
Mr. Ravi Pratap Singh Jadon	Assistant Professor	Department of CE	Source apportionment studies for mitigation of Air pollution	MTS, Gwalior	13-Sep-20
Mr. Ravi Pratap Singh Jadon	Assistant Professor	Department of CE	Vastu Solutions- a scientific approach	UIT RGPV Bhopal	5-Sep-20
Ms. Vishakha Yadav	Assistant Professor	Department of CE	RGPV TEQIP webinar on Simple vastu Tips on Positive Energy in Home	RGPV Bhopal	28-Jun-20
Mr. Amit jain	Assistant Professor	Department of ME	AICTE, ATAL FDP on " Learning Management System"	NITTTR	21-25 september-2020
Mr. Amit jain	Assistant Professor	Department of ME	FDP on universal Human Value	NIT Patna	26-30 september-2020
Mr.Amit jain	Assistant Professor	Department of ME	AICTE, ATAL FDP on " 3D Printing &Design"	UVCE	05-09 October 2020
Mr.Amit jain	Assistant Professor	Department of ME	AICTE sponsored STTP onImplementation of outcome Education to enhance the quality of Heis"	SRCASE Coimbatore	10-Oct-20
Mr.Amit jain	Assistant Professor	Department of ME	STTP on Moral value Ethics behavioral science and attitude"	LNCT Bhopal	02-07 November 2020
Mr.Ishwar Gupta	Assistant Professor	Department of ME	3 days online workshop on AUTOCAD Software	Shri Rama Krishna College of Polytechnic & Management.	13-15 July 2020
Mr.Ishwar Gupta	Assistant Professor	Department of ME	1-week online workshop on Emerging Research Areas in Mechanical Engineering	Deptt. Of mechanical engineering CMR Technical Campus, Hyderabad	29 June - 03 July 2020
Mr.Raghvendra Sharma	Assistant Professor	Department of ME	FDP on Advance tools and techniques for researchers	NITM Gwalior	2020
Dr. Mahendra Singh Bhadouria	Assistant Professor	Department of Mathematics	International Conference on the new normal in management social science and Economic Development	Amity university	6, Nov-2020
Dr. Mahendra Singh Bhadouria	Assistant Professor	Department of Mathematics	one day National Webinar on Bhartiya KalGanana Ki Vaigyanikata	Government Girls P.G.College, Ujjain	10, Sep 2020
Dr. Mahendra Singh Bhadouria	Assistant Professor	Department of Mathematics	National Webinar on "Mathematical Heritage and Its Area in NEP - 2020"	Govt. College Senvar	30th August 2020.
Dr. Mahendra Singh Bhadouria	Assistant Professor	Department of Mathematics	one day International Webinar onMathematical Modeling andData Analysis	Samrat Prithvi raj Chauhan Government College, Ajmer	August 05, 2020.

Dr. Meghalahane	Assistant Professor	Department of Humanities,	a webinar on New Challenges in Communication,	Department of Humanities, Lakshmi Narain College of Technology, Bhopal, Madhya Pradesh.	19, June 2020
Ms. Archana Tomar	Assistant Professor	Department of Computer Science	Short Term Training Programme On Recent Trends in Cloud Computing	DRIEMS Autonomous Engineering College	07-12 Dec, 2020
Ms. Neelam Joshi	Assistant Professor	Department of Computer Science	Faculty Development Programme on Artificial Intelligence	IIT, Naya Raipur	21-25 Nov, 2020
Ms. Reena Chauhan	Assistant Professor	Department of Computer Science	Short Term Training Programme on Internet of Things (IoT) & Data Analytics	MITS, Gwalior	23-24 Oct, 2020
Ms. Aruna Bajpai	Assistant Professor	Department of Computer Science	Short Term Training Programme on AI Enabled Augmented Analytics for Business	CMR, Bangalore	12-17 Oct, 2020
Mr. Deshdeepak Shrivastava	Assistant Professor	Department of Computer Science	Faculty Development Programme on Data Analysis & Visualization Using Pandas, Seaborn & Plotly In Python	CSI, Gwalior	16-18 July, 2020
Ms. Archana Tomar	Assistant Professor	Department of Computer Science	Faculty Development Programme on Data Analysis & Visualization Using Pandas, Seaborn & Plotly in Python	CSI, Gwalior	16-18 July 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	Faculty Development Programme on Data Analytics using Python	NITTTR, Chandigarh	18-22 May, 2020
Mr. Manuj Mishra	Assistant Professor	Department of Computer Science	Faculty Development Programme on Data Analytics using Python	NITTTR, Chandigarh	18-22 May, 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	Faculty Development Programme on Block Chain	MSME-Technology Development Centre (PPDC)	27-31 May, 2020
Mr. Manuj Mishra	Assistant Professor	Department of Computer Science	Faculty Development Programme on Block Chain	MSME-Technology Development Centre (PPDC)	27-31 May, 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	Faculty Development Programme on Internet of Things	NITTTR, Chandigarh	10-14 April, 2020
Mr. Manuj Mishra	Assistant Professor	Department of Computer Science	Faculty Development Programme on Internet of Things	NITTTR, Chandigarh	10-14 April, 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	NPTEL (12 Weeks) on Data Analytics with Python	IIT, Roorkee	Jan-April, 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	NPTEL (4 Weeks) on Software testing	IIT, Kharagpur	Jan-April, 2020
Dr. Pradeep Yadav	Associate Professor	Department of Computer Science	Senior Teaching Certificate Course on Introduction to Big Data	UC San Diego, Coursera	06 Feb, 2020

OJAS TEAM





CORE TEAM

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