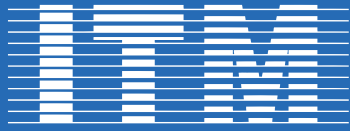


Volume 5 | JULY-DECEMBER 2021

NEWSLETTER



INSTITUTE OF TECHNOLOGY
& MANAGEMENT
GWALIOR • MP • INDIA

“THINK BIG... THINK BEYOND”

**INSTITUTE OF
TECHNOLOGY
AND MANAGEMENT,
GWALIOR**

AICTE Approved Technical Campus /
Affiliated to RGPV, Bhopal (Estd. 1997)



Mukhar

MESSAGE FROM HOD



Greetings! On behalf of the faculty members, staff and students of the Department of Computer Science and Engineering, ITM Gwalior, I welcome you to all. I believe that the CSE discipline is an essential resource for progress and for the future in all areas of human endeavor. All the students of ITM are groomed to excel in their academic pursuits. Excellent infrastructure, experienced team of faculty to strengthen effective teaching learning process to ensure quality education. We as a team are committed to take the department to new heights of success. The biggest achievement of the department is that the students are fulfilling the vision and mission of the institute. Students are publishing papers in international journals, as well as working hard to gain some recognition in extra-curricular or co-curricular activities. Our graduate students have become such a priority of the industries. An example of this can be seen in placement. Innovative teaching by our faculties, PBL included in curriculum, internships, our excellent laboratories, long standing relationship between the department and the industry are helpful in fulfilling the dreams of the students and their parents. We hope that the dedication of the faculty members and students of the department will give a new dimension to the institute.

I wish all the students and faculty a good academic career.

Prof. Dr. Rishi Soni
Best Wishes

A NEWSLETTER OF DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Vision of the Department

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

Mission of the Department

- 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 behavioral ethics for the betterment of the society.

Program Educational Objectives

- Our graduates will employ capabilities of solving complex engineering problems to succeed in research and/or higher studies.
- Our graduates will exhibit team-work and leadership qualities to meet stakeholders' business objectives in their careers.
- Our graduates will demonstrate application of comprehensive technical knowledge for innovation and entrepreneurship.
- Our graduates will evolve in ethical and professional practices and enhance socio-economic contributions to society.



QUIZ ON C++ PROGRAMMING

The Department of Computer Science & Engineering organized a quiz competition TECH-Q dated on 5th October 2021, 10:00 AM. The theme for the quiz competition was "C++ Programming". There were more than 150 participants. The Programme was coordinated by Dr. Shyam Sundar Gupta and Mr. Arun Agrawal. The quiz competition is divided into three levels and multiple choice based. All the participants got e-certificates.



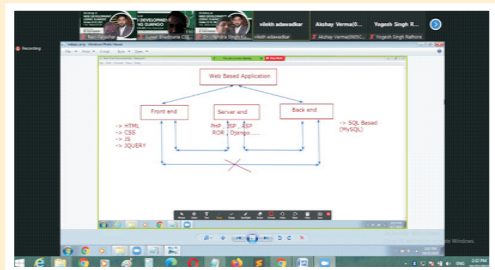
Workshop on Web Development using Django

Two Day workshop was conducted on "Web Development using Django" on 22-23 October, 2021 in Association with CSI Gwalior Region-III and organized by Department of CS/IT/MCA, ITM Gwalior (M.P).

On the first Day, Experts of this workshop Mr. Vilekh Adawadkar asks some questions to the students regarding Website Development using Django to know the knowledge of participants. In this session, he gave an introduction to Python and Django, MVC, Framework knowledge, Internet Technologies, and Websites.

On the second day, Mr. Vilekh Adawadkar started with the Django project of websites. Thereafter he explained Django and its URL routing. Expert encouraged the students to perform various routing for URL. It was Hands-on session and Students participated very intensely. Mr. Vilekh Adawadkar told students about API interactivity tools, template concepts.

At the end of the day, Feedback form filled by the students. Students strongly appreciated Mr. Vilekh Adawadkar of presentation skill, knowledge, problem solving method etc. was excellent.



Webinar on Industry Exposure

A Webinar was conducted on "Industry Exposure" on 18 Dec, 2021 organized by the Department of Computer Science and Engineering, ITM, Gwalior

In this lecture, Expert Mr. Shishir Pandey discussed the importance of industry requirements, and about the internship in FIZ Robotics and their opportunities for students. He also explained about the impact of students in this industry.

Mr. Shishir also discussed challenges for industries that are growing worldwide like increasing efficiency, shortening time to market, enhancing flexibility etc. he also explained about six design principles like interoperability, virtualization, decentralization, real time capability, service orientation and modularity.



Faculty Achievement's

- Jitendra Singh Kushwah, Atul Kumar, Subhash Patel, Rishi Soni, Amol Gawande, Shyam Gupta, "Comparative study of regressor and classifier with decision tree using modern tools", <https://doi.org/10.1016/j.matpr.2021.11.635>, Elsevier publication's Materials Today: Proceedings.
- Nihar Ranjan Nayak, Sumit Kumar, Deepak Gupta, Ashish Suri, Mohd Naved, Mukesh Soni⁶, "Network mining techniques to analyze the risk of the occupational accident via bayesian network, Int J Syst Assur EngManag", ISSN 0976-4348, DOI: <https://doi.org/10.1007/s13198-021-01574-1>.
- Dr. Jitendra Singh Kushwah, Dr. Rishi Soni, Dr. Aditya Vidyarthi, Shivanshu Ojha," Comparative analysis of linear regression, random forest and support vector machine using dataset", ISSN 2456 – 5083, Vol 11 Issue01,p.p. 30-35.

FDP Attended

S.No.	Name of Faculty	Topic	Organized By	Duration
1	Dr. Jitendra Singh Kushwah	Research Methodology, Research Publication and Patent Filing	Sharad institute of technology college of engineering, Yadrav	20 to 24 September, 2021
2	Dr. Pradeep Yadav	Multimics Data Science	IIT Jodhpur	20 to 24 December, 2021
3	Mr. D D Shrivastava	Multimics Data Science	IIT Jodhpur	20 to 24 December, 2021
4	Ms. Aruna Bajpai	Machine learning to deep learning: trends and challenges	Madhuben & Bhanubhai Patel Institute of Technology New Vallabh Vidyanagar	13 to 18 December, 2021
5	Mr. C P Bhargava	Multimics Data Science	IIT Jodhpur	20 to 24 December, 2021
6	Mr. C P Bhargava	Foundations of Data Science and Machine Learning for Cross-domain Applications	PSG College of Technology.	27 to 31 December, 2021
7	Ms Rakhi Arora	Hardware security	IIT Ropad	27 to 31 December, 2021
8	Ms. Sapna Kushwah	Hardware security	IIT Ropad	27 to 31 December, 2021

Certification Course



Archana Tomar, Assistant professor of CSE Department has participated in a workshop on National New Education Policy Scheme organized by the National Service Scheme Jiwaji University Gwalior.



Faculty is trained and certified
by AWS certification

Congratulations



Dr. Jitendra Singh Kushwah honored by Management of ITM for ITM brand promotion and best use of ICT (Award received by Prof. Kuldeep Singh Jadon)



Prof. Aruna Bajpai honored by Management of ITM for Most Regular and Sincere faculty



Prof. Neelam Joshi honored by Management of ITM for Best Mentorship



Prof. Rakhi Arora honored by Management of ITM for Best Teacher

Students Achievements

Participation in State Level Event

State Level Hackathon 1.0 is the first edition of a state-level hackathon organized by Rajiv Gandhi Proudyogiki Vishwavidyalaya(RGPV), Bhopal,M.P. Team Secured second position among thirty five participated teams.This event provided a platform to young students by enabling them to identify real-life problems and to think, design, and develop modern solutions for them. The competition had exposed students to an environment optimal for exploring new techniques for problem-solving. Which is visible enough to be transformed into a business startup. Students developed a mobile application SVABHAVA, it was a platform that connects citizens, garbage truck drivers, and Municipal corporations digitally. With the help of SVABHAVA, it will be very easy to maintain the data of garbage trucks.This app resolved many problems faced by citizens regarding punctuality of garbage trucks, no proper way of complaining about waste management in their local area. Whenever the garbage vehicle will be 100 meters away from the home the person will receive an SMS that the garbage vehicle is next to your door and once the vehicle arrives, APP will ask the person to tell that the vehicle really arrived or not and is the behavior of garbage picker man is good or not.With the help of the SVABHAVA app,Citizens and municipal corporations both can track the garbage vehicle.Even the garbage vehicle driver can follow the given route so easily. Tracking through GPS fleet vehicles and their drivers, so the authorities can better maximize their daily work.Rating can be done by the people on the basis of their experience regarding the garbage truck. The complaints can easily register on our app like just by clicking pictures. Easy data access are some main features of the SVABHAVA app.The app is beneficial for citizens of our country, municipal corporations, and garbage vehicle drivers as it proposes transparency in the waste and data management sector. The overall conclusion of our idea is to create an APP which will provide ease of work and punctuality.APP will be useful for everyone who will access it and will create an easy process of data management.



Devdutt Shrivastava
(Team Leader)



Isha Goyal



Certification Course

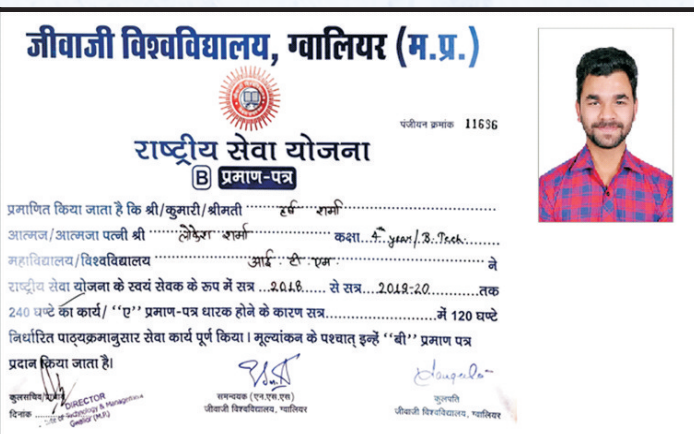
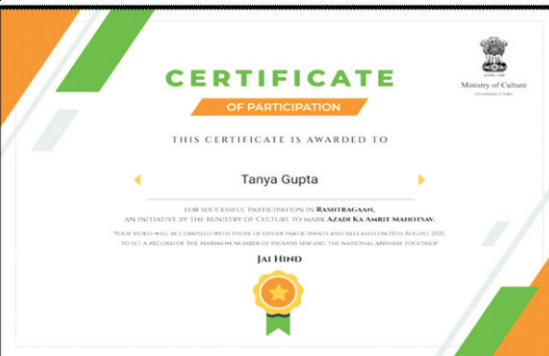
Shivanshu Ojha, 2018-2022 Batch
B.Tech, Department of Computer Science & Engineering
Institute of Technology and Management, Gwalior, Madhya Pradesh, India

Paper published in ELSEVIER

<http://www.ijemr.org/downloads.php?vol=Volume-11&issue=ISSUE-01>

DOI: 10.48047/IJEMR/V11/I01/04

Title: Comparative Analysis of Linear Regression, Random Forest and Support Vector Machine Using Dataset, Volume 11, Issue 01, Pages: 30-35



Placements



Anshika Arora
(Placed in Nagarro)



Sachin Kumar
(Placed in Spring
ML India)



Abhansh Honparkhe
(Placed in TCS)



Arushi Gupta
(Placed in Accenture)



Aashi Soni
(Placed in Accenture)



Shruti Gupta
(Placed in Accenture)



Aashish Wadhwani
(Placed in TCS)



Adil Nawab
(Placed in TCS)



Amarkant Pandey
(Placed in CELEBAL
Technologies)



Arshin khan
(Placed in TCS)



Divyanshi Jain
(Placed in Ingenuity)



Shubham Dhole
(Placed in Ingenuity)



Ashi Gupta
(Placed in Nagarro)



Aatmikta Sirothiya
(Placed in Accenture)



Abhishek Diboliya
(Placed in TCS)



Abhay Singh Bhadouria
(Placed in Nagarro)



Gaurav Jain
(Placed in Accenture)



Ankit Singh
(Placed in Capgemini)



Aman Sharma
(Placed in TCS)

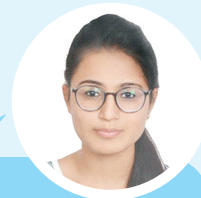


Alumni Speaks



Aman Sharma (Placed in TCS)

Each faculty is good and have great teaching skills with vast amount of knowledge. Although have a very healthy environment while teaching and discussion. A friendly nature and always eager to help their students in needs.



Anshika Arora (Placed in Nagarro)

The college has excellent facilities and a great campus. My overall experience was awesome. The teachers are really supportive and they focus on implementation rather than theoretical knowledge and support students to pursue extra curriculum activities as well or fields of their choice. Curriculum is industry relevant and also there are good chances of getting placement through the Institute.



AbhaySingh Bhadouria (Placed in Nagarro)

ITM is an Ocean of knowledge and as a CSE student I feel my efforts are just dive into the ocean and get whatever desire to learn. All faculty and Training & Placement Cell is always approachable and accessible to every student this is what every student loved the most about ITM. Obviously ITM is a place where one can learn & grow in every manner. Blessed to be a part of ITM, and I can proudly say every ITMite is powerful ("Knowledge is Power & Power iswell.... Powerful")



Sahil Gupta, (Placed in Ingenuity Gaming Pvt. Ltd)

"I love the family like atmosphere at surrounds me". "It is a lot better than being attacked by the pack of badgers". The college really cares about its members, it is a place of civility, friendship and good cheer. ITM taught me many good things. I got a big lesson from my college life. ITM also provide me such an amazing platform to show case my skills and talent. I would like to thanks ITM family to teach me a big lesson of life.



Editorial Board

Editorial Team:

Ms. Aruna Bajpai
Assistant Professor
Deptt. of CSE

Mr. Arun Agrawal
Assistant Professor
Deptt. of CSE

Student Representatives:

Manvendra Ray
CS 3rd Semester

Jaikishan Mahor
CS 3rd Semester

Mohini Tomar
CS 3rd semester

Isha Goyal
CS 3rd semester