

Medi-Caps University

FLASHES

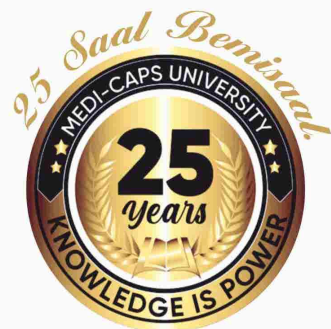
June 2024
Volume 4 : Issue 2

Quarterly
Newsletter

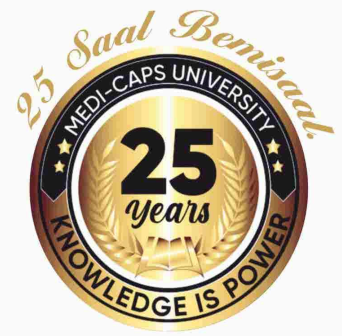


"शिक्षा भी संस्कार भी"

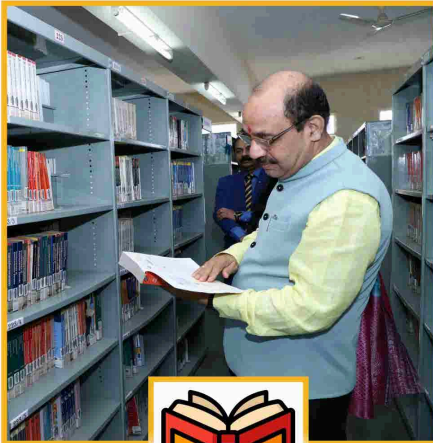
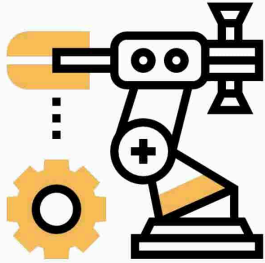
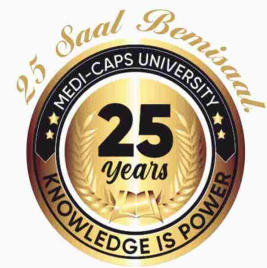
"Education empowers minds, shapes futures."



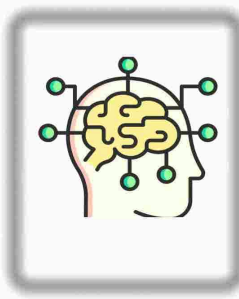
NAAC VISIT DAY 1



NAAC VISIT DAY 2



NAAC VISIT DAY 3



Value Added Course



The Department of Languages organised a one week Value Added Certificate Course on **“Soft Skills for Upcoming Professionals I”** from 17 to 21 June, 2024. The course was convened by Dr. Prachi Sathe, Head of the Department and coordinated by Dr. Anisha Jain.

The Department of Electrical Engineering organised a Value Added Course on **“PLC Programming & Applications”** from 10 to 14th June 2024. The lectures were delivered by Prof. Neha Verma Gour.



Workshops & Webinars

The Department of Computer Application organised a workshop on **“How Software Testing Is Applied In Industry”** on April 04, 2024. This workshop was convened by Prof. Sakshi Dubey.



Department of Computer Science and Computer Applications organised a workshop on **“Software Testing”** on April 06, 2024 for the students of BCA III Yr and MCA II Yr. The workshop was convened by Prof. Sakshi Dubey and Prof. Govind Patil.

The faculty members and the final year students from the Department of Electronics Engineering attended a workshop on **“Physical Design Flow: Hands on RTL to GDSII on EDA Tool”** held at IIT Indore on April 08, 2024.

The Department of Computer Science Engineering, Continuous Education Cell and MU-IEEE, in collaboration, organised a workshop from 08-12 April, 2024 on **“data analytics”** featuring Mr. Shiv Kunchalwar, data scientist & coding thinker, as the speaker .

Robotics Training Session was held at Medi-Caps University where students of Medi-Caps school were guided by Prof. Neeraj Yadav through cutting-edge techniques at our state-of-the-art Robotics lab on April 11, 2024.

Workshops & Webinars

Medi-caps Institute Innovation Council conducted a session entitled **"Business Model Canvas"** on April 20, 2024. **Dr. D.L. Sunder** was the speaker from IIM Indore.

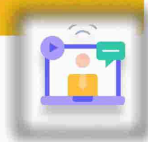
Expert Lecture Series on **'Next-Gen Electronics: A Deep Dive AI And ML Application'** was conducted during April 2024. The lectures were delivered by Dr. Rohit , Dr. Sachin Taran, Dr. Mitul Kumar Ahirwar and Dr. Nidhi Gupta.

A webinar on **"Understanding The Dynamics Of Organisational Behaviour"** was coordinated by Prof. MD Khalid, Dr. Divya Bharathi, Prof. Bagali Ambreen, Prof. Revathin, and the speaker –Dr Parul Sharda on May 20, 2024.

Prof. Ubaid L Hanfee, Department of Civil Engineering, took part in a webinar titled **"Digital & AI Tools in Education"** on May 26, 2024 organised by Dynamic Mind Group, Delhi.

The Department of Mechanical Engineering in collaboration with Indian Institute of Technology Indore (IIT-I) organised the Boot Camp 3.0 on **"Smart UAS: AI/ML in Communication, Navigation and Applications."**

Department of Electrical Engineering conducted a seminar on **"Control and Optimization of Electric Vehicles (EVs)"** with Dr. Pramod S Nair and Dr. M. Murali as program head. The lectures were delivered by Prof. Shailendra Sharma (Electrical Engineering, SGSITS, Indore), Prof. Sonu Singh (Founder & CEO, Shiksha Jn. Pvt. Ltd.) and Prof. Pemendra Pardhi (Sr. Design Engineer, Castnex Ltd. Dewas).



STUDENTS' LAURELS



Murtuza Saifee, Final year student of Civil Department was selected for internship in **"National Highway Authority of India (NHAI) project from Indore to Boregaon"**.

Shubhradeep Umath, Kajal Singh Gaharwar and Pratham Rajole From Department of Electrical Engineering secured placement at **"Case New Holland Construction Equipment India (Pvt) Ltd."**



Atharv Agrawal, Atul raj, Dev Parashar, Mukul Anand, Prathmesh NArsale, Ravi Ranjan Raj, Sufiyan Parvez, Yashil Upadhyay secured placement in **"KEC international limited."**



Kamakshi Sharma, Arpit Rathore, Kanika Mishra, Parth Pandey, Riya Parsai, Sandali Maheshwari, Yatharth Chouhan from Department of Computer Science secured placement at **Deloitte**.

Deloitte

Ashutosh Khadse and Sourabh Jawale, students from computer science engineering had been selected for the Student's Exchange Program at **"Woosong University"** South Korea on April 6, 2024.



Shubam Kishore, Alumni of Pharmacy Department was offered **Scholarship And Study Opportunity In MIT, USA"**.



Mr. Daksh Pawar, student of Civil Engineering Department final year was awarded **"MAASA Golden Shield Award"** on April 23, 2024.

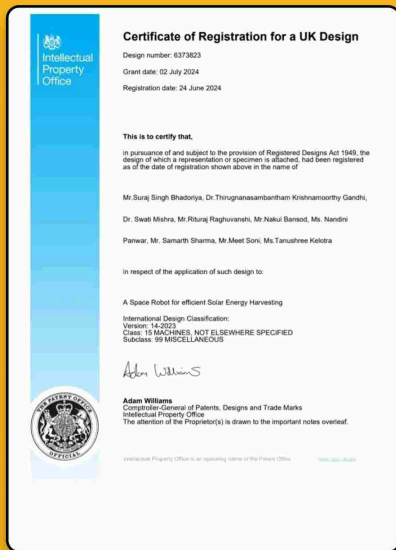
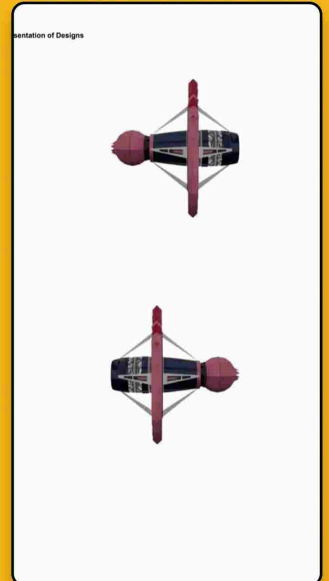
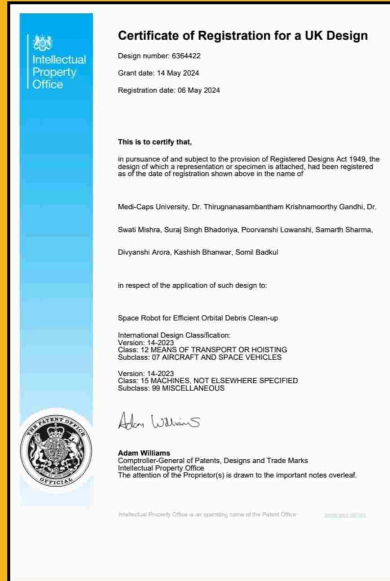


Piyush Khatri, Ajay Singh and Priyansh Porwal, second year students of Bachelors of Computer Application program cracked **"NPTEL Certificate On Programming In Java"** with 64%, 77% and 70% respectively under the guidance of Dr. Arpit Neema and Prof. Indra Vaidhya.



STUDENTS' LAURELS

Under the guidance of Dr. Thirugnanasambantham K. Gandhi and Dr. Swati Mishra, students of Computer Science Engineering and Robotics and Automation Kashish Bhanwer, Divyanshi Arora, Somil Badkul, Suraj Singh Bhadoriya, Samarth Sharma and Poorvanshi Lowanshi published a UK Design patent entitled **"Space Robot for Efficient Orbital Debris Clean-up."**



Under the guidance of Dr. Thirugnanasambantham K. Gandhi and Dr. Swati Mishra, students of Computer Science Engineering and Robotics and Automation Kashish Bhanwer, Divyanshi Arora, Somil Badkul, Suraj Singh Bhadoriya, Samarth Sharma and Poorvanshi Lowanshi published a UK Design patent entitled **"Space Robot for Efficient Orbital Debris Clean-up."**

Mr. Aayan Pandit, student of Computer Science Engineering attended Global Peace & Sustainable Development Summit as guest speaker and presented a speech on **"Sarve Bhavantu Sukhinah; Sarve Santu Niramayah: Fostering Gobarmony and Health"**.



PLACEMENT DIARIES



Ronak Bhandari | Tanishka Chouhan
MBA Finance (Major)



Arman Patel
MBA Marketing + HR



Aditya Gupta | Rizwan Abdul
MBA Marketing (Major)



Vaibhav Verma | Hariom Raghuvanshi
MBA Finance (Major)

Ayush Mahajan, Niharika Chaturvedi, Eva Jain, Ishika Agrawal, Poonam Mishra, Ridhima Namdev, Shrasti Gupta, Shubhi Agrawal, Anchal Gupta, Vincy Jain, Sarthak Saraf, Shailaja Choudhary, Shambhavi Sharma, Shashank Sohani, Vedant Joshi from the Department of Computer Science secured placement at **Bacancy**.

Ronak Bhandari, Tanishka Chouhan, Priyanshu Goswami, Prashant Tiwari, Vaibhav Verma, Hariom Raghuvanshi, Ashwin Solanki, Harshita Mohariya, Aditya Gupta, Rizwan Abdul, Tushar Yadav, Shivam Sharma, Rishi Moyade, Nikhil Gangurde, Arman Patel, Ashish Singh, Dheeraj Yadav, Amit Harod, Ayushi Biyani, Yashpal Singh Rathod, Palak Jaroliya, students from the Department of Management and Commerce secured placement at **Paytm**.



Ayush Mahajan | Niharika Chaturvedi
B.Tech Computer Science & Data Science
Package: 5.50 LPA
Business Development



Anchal Gupta
B.Tech CS Artificial Intelligence
Package: 5.50 LPA
Business Development



Shrasti Gupta | Shubhi Agrawal
B.Tech Computer Science & Data Science
Package: 5.50 LPA
Business Development



Eva Jain | Ishika Agrawal
B.Tech CS Core
Package: 5.50 LPA
Business Development



Poonam Mishra | Ridhima Namdev
B.Tech CS Core
Package: 5.50 LPA
Business Development



Anish Banka
MBA Marketing + Finance

Package: **7.08** LPA
Designation: Business Development Executive

Anish Banka and Dharmendra Chouhan from the Department of Management and Commerce secured placement at **Berger Paints**.

Aanchal Sonone, Hardik Ojha, Anuj Sharma, Dharampal Singh Solanki, Megha Vani, Muskan Khatri, Hari Om Patel, Hurul Insiya Naqvi, Rutuja Shivaji Mandekar, Shilpa Pharkya, Riju Jain, Simran Kushwah, Sajjal Rajput, Megha Rai, Avisha Garg, Sanskar Jain from Department of Management secured placement at **ICICI Securities**.



Avisha Garg
MBA HR
Package: 3.5 LPA



Sajjal Rajput | Megha Rai
MBA Marketing
Package: 3.5 LPA



Riju Jain | Simran Kushwah
MBA Finance
Package: 3.5 LPA



Rutuja Shivaji Mandekar | Shilpa Pharkya
MBA Finance
Package: 3.5 LPA

PLACEMENT DIARIES



Krati Jain, Garvresh K. Tiwari, Shikhar Gorani, Pawan Pramod Mahajan, Jayendra S. Panwar, Muskan Varandani, Arun Raikwar, Gautam Upadhyay, Sakshi Jain students of MBA from the Department of Management and Commerce secured placement at **D-mart**.



Anuroop Farkya, Ansh Gupta, Akshat Jain, Madhvi Gupta, Dhairya Saatoliya from the Department of Computer Science secured placement at **BootNext**.

Anish Banka and Dharmendra Chouhan from the Department of Management and Commerce secured placement at **Berger Paints**.

Mr. Saksham Sharma, Alumni of Pharmacy Department, **"Cleared GMAT With 91 Percentile"**.

Muskan Khatri, Jatin Brijwani, Aman Savita, Pradyuman Dandotiya and Abhay Singh students of MBA secured placement at **FinDestination**.



Sneha Chouhan, Moin Ali, Husain Baghwala, Ayush Choudhary, Adityaraj Dangi, Jayesh Dave and Asha Nagar from the Department of Computer Science secured placement at **AVIZVA**.

PLACEMENT DIARIES



Kishkin Joshi, Madhvi Gupta, Prashant Patil, Rishi Nigam, Vimarsh Jain, Adwait Tiwari, Amit Basantani, Harshpratap Singh Kushwah, Aayushi Singh Chouhan, Sadiya Aijaz, Sejal Nema, Vaishnavi Kag, Yashvardhan Jadhav, Aditi Jain, Akshat Vijayvargiya, Atharva Gadkari from Department of Computer Science secured placement at **Impetus**

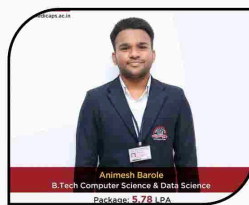
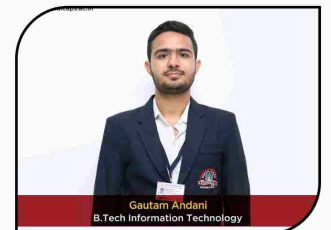
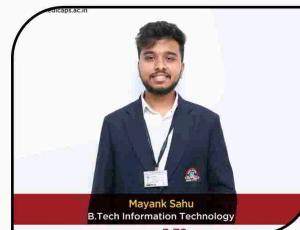
Harsh Pandya an MBA student secured placement at **Polycab**.



Arti Panchal | Raghav Rathore | Ahmed Raza Gori

Arti Panchal, Raghav Rathore, Ahmed Raza Gori from the Department of Information Technology secured placement at **Impetus**.

Mayank Sahu, Gautam Andani, from Department of Information Technology secured placement at **NucleusTeq**.



Sajal Nema, Anushka Sohani, Dikshita Patidar, Soumya Agrawal, Prateeti Mehta Jain, Animesh Barole, Ish Pandey, Vishal Sharma from Department of Computer Science secured placement at **NucleusTeq**.

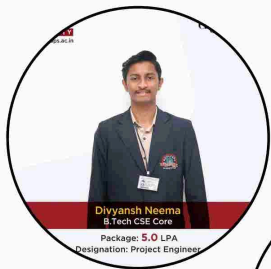
PLACEMENT DIARIES



Atharva Vaijapurkar
MBA Marketing (Major)

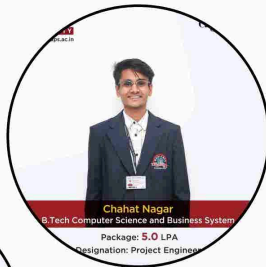
Package: **6.06** LPA
Designation: Trainee - Sales & Distrib

Atharva Vaijapurkar, a student of MBA at Faculty of Management and Commerce, Medi-Caps University secured placement at **CavinKare**.



Divyansh Neema
B.Tech CSE Core

Package: 5.0 LPA
Designation: Project Engineer



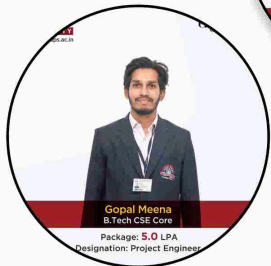
Chahat Nagar
B.Tech Computer Science and Business System

Package: 5.0 LPA
Designation: Project Engineer



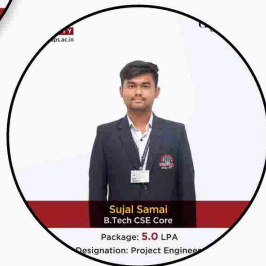
Mukta Gupta
B.Tech Computer Science and Business System

Package: 5.0 LPA
Designation: Project Engineer



Gopal Meena
B.Tech CSE Core

Package: 5.0 LPA
Designation: Project Engineer

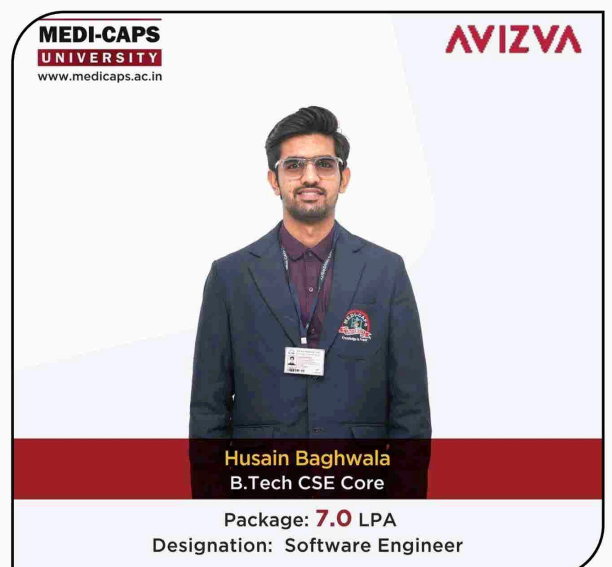


Sujal Samai
B.Tech CSE Core

Package: 5.0 LPA
Designation: Project Engineer

Divyansh Neema, Sujal Samai, Gopal Meena, Chahat Nagar and Mukta Gupta from the Department of Computer Science secured placement at **Digivalet**.

Jitika Kumari, Mehul Vyas, Mahima Kabra, Bhavya Agrawal, Ishita Porwal, Palak Patel, Ashwin Choubey, Husain Burhanpurwala, Salil Jain, Sanidhya Pasari, Arya Jain, Simon Wadhvani from Department of Computer Science secured placement at **Yash Technologies**



Husain Baghwala
B.Tech CSE Core

Package: **7.0** LPA
Designation: Software Engineer

PLACEMENT DIARIES



Abhay Malviya, Gautam Sharma, Mayank Shukla, Vishal Thakur from Department of Civil Engineering secured placement at **Metrify India**.



Ashwin Choyal and Bhumika Bhati from the Department of Information Technology secured placement at **BootNext**.

Shobhit Gupta and Ashi Agrawal From Department of Computer Science secured placement at **Web Occult Technologies**

Aditya Verma and Vanshika Garg from the Department of Computer Science secured placement at **Planet Spark**.



Aanchal Sonone, Hardik Ojha, Anuj Sharma, Dharampal Singh Solanki, Megha Vani, Muskan Khatri, Hari Om Patel, Hurul Insiya Naqvi, Rutuja Shivaji Mandekar, Shilpa Pharkya, Riju Jain, Simran Kushwah, Sajjal Rajput, Megha Rai, Avisha Garg, Sanskar Jain from Department of Management secured placement at **ICICI Securities**.

Yash Bharti from the Department of Electronics and Communication and Kshitij Arya from the Department of Information Technology secured placement at **Planet Spark**.

Prakash Modi, a third year Btech CSE student and senior NSS volunteer, represented Medi-Caps University at NSS State Level Unit Camp.

Shivangi Tiwari from the Department of Marketing Management and Arva Dahodwala from the Department of General Management secured placement at **Planet Spark**.

Club Flashes

The MU E-Cell organised the first **“Entrepreneur’s Talkshow Saarthi”**. Club invited Prof. Bhanu Pathak, finance content creator and founder of GrowShow Media along with Prof. Riya Upreti, educational influencer and founder of Fobet on its first entrepreneur talk show organised on April 08, 2024.



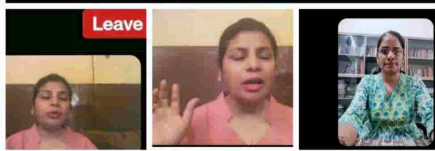
Club Flashes

MU-IEEE conducted its **Second Outreach Program at PM Shri Kendriya Vidyalaya Mhow**. The team along with Dr. Latika Jindal, Incharge Technical Club shared insights of **Artificial Intelligence and Machine Learning** with the school students.



Qualities Employers Seek

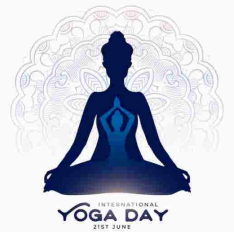
- Good all-round intelligence
- Enthusiasm, commitment and motivation
- Good communication skills
- Team work ability
- Ability to solve problems
- Capacity to work hard
- Initiative and self-reliance
- Balanced personality



The Advance Study Club of Medi-Caps University conducted an online workshop on **“Interview Skills and Communication”** on April 04, 2024. Club invited Dr. Evelyn Gaikwad, Soft Skill Trainer. The program is chaired by Dr. A.A. Koser, Dean of Faculty of Science along with the convener Dr. Ranubala Marothiya and Co-convener Prof. Neha Kapil and Prof. Anshuman Purohit.

MUIEE conducted a workshop on the topic **“Data Analytics”** in collaboration with the Department of Computer Science Engineering, on April 11 and 12, 2024 with Prof. Shiv Kunchalwar as the speaker.

Club Flashes



Medi-Caps University celebrated International Yoga Day on June 21, 2024 under the banner of the Yog and Spiritual Club. The session was conducted by Dr. Puja Singh in the esteemed presence and participation of honourable VC, PVC, Registrar, Deans, Heads, faculty members and the students in the lawn of Q-Block.



FACULTY

FLASHES

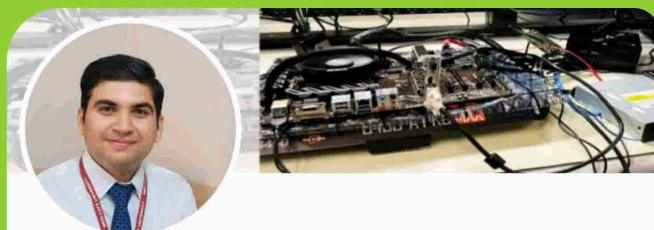


Prof. Govinda Patil, Department of Computer Science, attended one week **“National Faculty Development Program on Generative AI”** organised by Dr. DY Patil College of Engineering & Innovation, Pune from 01 - 06 April, 2024.

Dr. Anjali Soni, Department of Chemistry, attended **“Faculty Development Program on NEP 2020”** organised by Nirmala College, Ujjain from April 02 to 08, 2024.

Dr. Abdul Razzak Khan Qureshi, Department of Computer Science, attended the **“International Workshop on Research Manuscripts Drafting and Patent Filing Process (FDPP MPJ-2024)”** organised by Eudoxia Research University, ERU-USA from 03 - 12 April, 2024.

Prof. Indra Vaidya, Department of Computer Science, awarded **“Top Computer Science Voice”** by LinkedIn for contributing to collaborative articles in the field of Computer Science.



Indra Vaidya ✓

Faculty • Computer Science Professional • Member, Department Council • Research Enthusiast • Project Supervisor • Mentor

🗣️: Top Computer Science Voice

Indore, Madhya Pradesh, India · [Contact info](#)

Dr. Kuber Dutt Gautam from Department of Computer Application, **Awarded Doctorate (Ph.D.) from Abdul Kalam University, Indore.**



Dr. Preeti Jain and Dr. Anjali Soni, Department of Chemistry, attended **"FDP on Nanotechnology and its Applications"** organised by Vaishnav University, Indore from April 22 to 26, 2024.

Dr. Abdul Razzak Khan Qureshi, Department of **Computer Science**, attended the **"International Workshop on Research Manuscripts Drafting and Patent Filing Process (WOMAP-2024)"** organised by Eudoxia Research University, ERU-USA from April 18 to 25, 2024.

Prof. Siddheswar Kar from Department of Electrical Engineering attended a Masterclass FDP on **"Natural Language Processing"** at Pantech e Learning Pvt. Ltd., Chennai, from April 10 to 30, 2024.

Prof. Himani Hirvey, Department of Pharmacy, attended **"Ongoing Research and Adaptation of New Technologies in the Field of Pharmacy"** organised by A. M. Reddy Memorial College of Pharmacy from 22 to 26 April, 2024.

Prof. Jyotsana Goyal, Shantilal Bhayal, Tithirupa Tapsavani, Dr. Manoranjan Kumar Sinha, Kailash Kumar Bharaskar, and Shrikant Telang from the Department of Computer Science Engineering participated in different Faculty Development Programs.

Prof. Siddheswar Kar from Department of Electrical Engineering attended a National Level FDP on **"Recent Trends in Engineering"** at Modi Institute of Technology, Kota from April 24 to 29, 2024.

Prof. Nisha Mandloi, Department of Pharmacy, attended an online workshop **"Molecular docking, result, interpretation and analysis"** organised by DIGISKILLS ACT Academy, Kerala from April 16 - 17, 2024.

Prof. K. Vijeta, Siddheswar Kar, Sharda Patwa, Pavan Mehta and Preeti Singh from Department of Electrical Engineering attended an IE-Seminar on **"Control and Optimization of Electric Vehicles EVs"** in association with The Institution of Engineers (India) Indore Local Centre, on April 25, 2024.



Dr. Abdul Razzak Khan Qureshi, Department of Computer Science attended the **“Third International Conference on Recent Trends in Multidisciplinary Research (ICROM 3.0 2024)”** on April 26-27 2024, organised by Eudoxia Research University, New Castle, USA and Eudoxia Research Centre, India.

Prof. Poonam Sharma, Department of Pharmacy, attended **“Isatin Derivatives And Their Potential Anti-Tubercular Activity”** organised by Multidimensional Approaches for Drug Product Development on April 27, 2024.

Prof. Siddheswar Kar from Department of Electrical Engineering Attended a Quiz on **"Intellectual Property Insight: A Quiz Competition Celebrating World IP Rights Day"** at HKBK Degree College, Bengaluru, on April 28, 2024. He also attended a webinar on **"Intellectual Property & SDGs"** at Turnip Innovations Pvt. Ltd. & Qualcomm, on 26 April, 2024

Dr. Shalini Sharma from Department of Chemistry attended **“Promoting Social Equity: Revisiting Constitutional Rights”** organised by Testo College Chumukedima, Nagaland, India from April 27 to 31, 2024.

Dr. M. Murali, Department for Electrical Engineering, received **“Certificate of Excellence in Reviewing”** in the BP International in May 2024.

For the MU/Seed Money Project/2023/10 entitled **‘Synchronic and Diachronic Analysis of Regional Language of Nimad’**, Dr. Prachi Sathe and Dr. Anisha Jain, Department of Languages took the visit of **‘Khandwa and the surrounded villages’** of Nimad Regions from June 27 to 28, 2024 for data collection.



FACULTY FLASHES



Dr Ranubala Marothiya, Department of Languages attended following faculty development programs:

i. Attended one week national level online FDP on A **“Cognitive fitness: unlocking neuroscience for peak performance”** organized by Gokul Global University (GGU) Siddhapur Gujrat, Career Development cell from 21 June to 27 June 2024.

ii. Attended one week national level online FDP on **“Carving Powerful Image”** Glocally from the same University from 15 June to 20 June 2024

iii. Attended one week national level online FDP on **“A New Perspective on Teaching English Glocally”** from the same University from 27 May to 02 June 2024.



Dr. Babita Dubey was awarded the **Best Faculty Award** from The Department of Commerce at Medi-Caps University.

Dr. Haldhar Sharma, The Department of Commerce, awarded **The Session Chair of International Conference** on IMI College, Indore on May 10, 2024.



Dr. Hemant Pal, Department of Computer Science, attended one week **“National Level Online FDP on Generative AI Models and Applications of Machine Learning”** from May 21 to 25, 2024 organised by Shri Vishnu Engineering College for Women(A), Bhimavaram Vishnupur, West Godavari District, Bhimavaram, Andhra Pradesh.

Dr. M Murali, Prof. Siddheswar Kar from Department of Electrical Engineering Attended an STTP on **“Emerging Trends on Control and Automation at Present Scenario”** at Dream Institute of Technology, Kolkata, from May 09 to 15, 2024.



On May 15, 2024, Prof. Rajul Soni was honoured with the **“Young Agriculture Researcher Award”** by Agri Meet Foundation, U.P. and CCSHAU, HISAR, Haryana.



Dr. Ruby Bhatt, Department of Computer Science awarded **“Certificate of Best Paper Presentation”** in National Webinar on **“Innovation in Higher Education”** by Shri Rajendra Suri Govt. College, Sardarpur, Dhar on May 29, 2024.

Prof. Aakanksha Mewal, Department of Pharmacy, attended **“Innovative Teaching and learning Pedagogy”** organised by Research foundation of India and RFI-CARE from May 20 to 24, 2024.



Dr. Sanjiv Kumar Jain, Department for Electrical Engineering, received recognition for a number of his article reviews in **the IEEE Access** under the following heads:

-“Improving Tracking Performance in Series Elastic Actuators with the Disturbance Observer-based Position Control”

-“A Compound Control for Hybrid Stepper Motor Based on PI and Sliding Mode Control”

-“Multimodal Renewable Energy Hybrid Supply Optimization Model based on Heterogeneous Cloud Wireless Access”

-“Functional failure criticality assessment and control of power distribution systems: Failure prioritisation using AHP”

-“One Size Does Not Fit All: Multivariant User Interface Personalization in E-commerce”

-“An Improved Kernel Density Estimation Method for Characterizing Buoy Offset”

-“Enhancing Urban Parking Efficiency through Machine Learning Model Integration”

- “Multi-label Code Classification to Detect Errors Using CodeT5 and ML-KNN”

-“Fatigue Driving Detection Methods Based on Drivers Wearing Sunglasses”

-“Functional failure criticality assessment and control of power distribution systems: Failure prioritisation using AHP”

Dr. M Murali, Prof. Siddheswar Kar, Dr. Sanjiv K. Jain from Department of Electrical Engineering attended an FDP on **“RF Microwave, Power Electronics and Industrial Automation”** at Modi Institute of Technology, Kota, from May 8 to 13, 2024.

Dr. M. Murali, Prof. Siddheswar Kar, Prof. Sharda Patwa from Department of Electrical Engineering attended a master class FDP on **“Raspberry Pi”** at Pantech e Learning Pvt Ltd, from April 26 to May 17, 2024.

RESEARCH PUBLICATIONS



Dr. Ranubala Marothiya, Department of Language, published a research paper entitled “**Literature teaching: The Pathway to Linguistics Competency in Students**” published in Shodh Prabha. (ISSN: 09748946)



Dr. Rekha Jain, Department of Mathematics, published a research paper entitled “**Chemically Radiative And Magnetised Casson Nano Fluid Due To Arrhenius Kinetics With Heat Source/ Sink**” in International Journal of Modeling and Simulation.



Dr. Pranjali Kekre, Department of Mathematics, published a research paper entitled, “**Split Domination Number And Its Applications In Diverse Domains**” in the African Journal of Biological Sciences.

Prof. Safdar Sardar Khan, Prof. Arpit Deo and Prof. Kailash Kumar Bharaskar, Department of Computer Science Engineering, published a research paper entitled “**Deep learning based IDS to detect anomali over social networking site comprehensive review**”

Dr KG Thirugnanasabantham, Prof. Ram Bansal, Department of Mechanical Engineering, published a research paper entitled “**Study of Phase equilibrium of Refractory hightrop Hightentropy Alloys using the atomic size difference concept for turbine blade application**” in the High Temperature Material and Process (SCI journal).

Dr. Ashish Soni and Dr. Rahul Dravid, Department of Mathematics, published a research paper entitled “**Beta Function Its Properties and Applications Use in Computer Science and Information Technology**” in Journal of Technology.



RESEARCH PUBLICATIONS



Dr. Rekha Jain, Department of Mathematics, published a research paper entitled **“Applications Of The Domination And Fractional Domination In Computational Biology Using LPP Formulation”** in African Journal of Biological Sciences.

Dr. Susheel Pandey, Department of Mechanical Engineering, published a research paper entitled **“Effect of Scanning strategy and Laser peening on microstructure and fatigue properties of Laser directed Energy deposition built 15-5 PH stainless steel”** in SCI Journal (Rapid Prototyping Journal).



Prof. Rita Nagwal, Dr. Ravindra Pathak, Department of Mechanical Engineering, published a research paper entitled **“Insights from Circular Supply Chain Implementation Prospects employing Industry 4.0 Technologies: A Study based on Applied Methodologies of SLR and Content Analysis”** in SCI Publication (Operations Management Research) on June 01, 2024.

Prof. Shailendra Gupta, Department of Computer Application, published a research paper entitled **“An Efficient Test Suite Deduction Methodology For Regression Testing”** in Indonesian Journal of Electrical Engineering and Computer Science on May 02, 2024.

Dr. MK Ghosh, Department of Chemistry, published two research papers entitled **“A New 2, 5-Bis (Pyridin-4-Yl) Pyridine Based Mn (II) Metal–Organic Framework On Photochemically Antibiotic Degradation”** and **“Synthesis And Characterization Of Mixed Ligands Based Co (II)-Based Coordination Polymers And Study Their Photochemically Antibiotic Degradation”** in the Journal Inorganica Chimica Acta, p.122132, 2024 on May 10, 2024.

Prof. Prasanna Kapse, Department of Computer Science Engineering, published **“A subtle design of prediction models using machine learning algorithms for advocating selection and forecasting sales of garments: a case study”**.



Prof. Aakanksha Mewal, Department of Pharmacy, published two research papers, in the Journal of Hospital Pharmacy **ADR Profiling Of Drugs that have been Globally Discarded but are still available In Indian Market**” and **“Teratogenicity In Different Stages Of Pregnancy”** in May 2024.

Dr. Himanshu Borade, Anshuman Purohit, Hitesh Agrawal, Department of Mechanical Engineering, published a research paper entitled **“Deep Learning –Enhanced Small sample bearing fault analysis using Q- transformation and HOG imaze features in A GRU-XAI Framework”** in Machines 2024 on May 27, 2024.

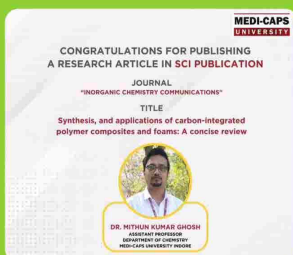


Prof. Sunil Mishra, Department of Management, published a research article in Scopus Publication entitled **“Determinants Of Trust On Social Networking Sites And Its Impact On Purchase Intention Through The Mediation Effect Of Customer Experience”** in the journal Public Sector Performance Management on May 15, 2024.



Prof. Shweta Katarne and Dr Shalini Modh, Department of Languages, published a research paper entitled **“A Thematic Study: Examining the Struggles of Kamala Khan in Marvel Comics”** in International Journal of Cultural Studies and Social Sciences on April 26, 2024.

Dr. Rekha Jain, Prof. Archana Dubey, Department of Mathematics, published a research paper **“Enhancing Equipment Replacement Decision- Making In Asset Management: A Fuzzy Logic Based Approach”** in Journal of the Asiatic society of Mumbai.



Dr. MK Ghosh, Department of Chemistry, published a research paper **“Synthesis, And Applications Of Carbon-Integrated Polymer Composites And FoaProf.: A Concise Review”** in journal Inorganic Chemistry Communications on April 25, 2024.

Dr. MK Ghosh, Department of Chemistry, published a research paper **“Syntheses And Photochemically Antibiotic Degradation Of Two Co (Ii)-Based Coordination Polymers”** under the journal Polyhedron, 255, p.116958, (2024) on April 19, 2024.



Dr. Mousumi Kar Pillai, Department of Pharmacy, published a research paper entitled, **“Polysaccharide-Based Controlled Release Mucoadhesive Drug Delivery System For Pain Management”** in the International Journal of Pharmaceutical Sciences and Drug Research.



Prof. Pavan Mehta from Department of Electrical Engineering published a research paper **"Effect of Reinforcement on Micro Structural and Compressive Deformation Behavior on Closed Cell AA7075 Aluminum Foam"** in Journals of Mines, Metals and Fuels, Vol. 72, Issue.2, pp. 179-187, 2024, (Scopus) ISSN: 0022-2755.

Prof. Ratnesh Litoriya, The Department of Computer Science Engineering published a research article in SCI publication entitled **“Indicators of AI in automation: An evaluation using Intuitionistic Fuzzy Dematel method with special reference to chat-GPT”** in Journal of Wireless Personal Communication on May 27, 2024.

Prof. Ratnesh Lithoriya, Prof. Kailash C. Bandhu and Prof Sanket Gupta, The Department of Computer Science Engineering, published a research article in Scopus Publication entitled **“Implementing Visual Assistant using YOLO and SSD for visually impaired persons”** in Journal of Automation, Mobile Robotics and Intelligence System on April 18, 2024.

Prof. Ajeet Singh Rajput, The Department of Computer Science Engineering published a research article in Scopus publication entitled **“Estimating Computer Network Security Scenarios with Association Rules”** in Journal of Discrete Mathematical Sciences and Cryptography on May 23, 2024.

Dr. MK Ghosh, Department of Chemistry, published a research paper **“Zinc Oxide Nanostructures: Illuminating The Potential In Biomedical Applications: A Brief Overview”** in a journal called BioNanoScience, pp.1-21, 2024 on April 4, 2024.

Prof. Mohsin Ali, Department of Computer Application, published a research paper **“A Synergistic Effect Of QR Decomposition With T-SNE”** Indonesian Journal of Electrical Engineering and Computer Science on May 02, 2024.

Prof. Pawan Mehta, The Department of Electrical Engineering published a research article in Scopus publication **“Effect of Reinforcement on Micro Structural and Compressive Deformation Behavior on Closed Cell AA7075 Aluminium Foam”** in Journal of Mines, Metals and Fuels on May 16, 2024.

RESEARCH PUBLICATIONS



Dr. Mahesh Dhonde, Assistant Prof. Physics Department published following research papers:
-**“Zinc-Modified Barium Stannate Micro-Rods: Investigating Structural, Morphological, And Optical Features”** in Physics Impact.

-**“Synthesis And Characterization Of Tio₂ Nanoparticles: Unravelling The Influence Of Copper Doping On Structural, Surface Morphology, And Optical Properties”** in Physics Impact.

-**“Dynamic Synergy Of Tin In The Electron-Transfer Layer And Absorber Layer For Advancing Perovskite Solar Cells: A Comprehensive Review”** in Energy Advances.

Dr. Ruby Bhatt, Department of Computer Science, published a research paper entitled **“Performance Analysis Of The OKProf.VM Learning Model Using Existing Prediction Models For Modern Education In Computer Science”** in International Journal of Modern Education and Computer Science, MECS Press.

Prof. Santosh Dinkar Gadekar and Dr. M Murali, The Department of Electrical Engineering, published a research article in Scopus Publication **“Optimizing electric vehicle charging with moth flame control algorithm of boost-ky converter”** in an international journal – Problems of the Regional Energetics on April 05,2024.

Prof. Anurag Singh Yadav and Dr. Ajay Kumar Maurya, Department of Electrical Engineering, published a research article in Scopus Publication **“Performance Investigation of shapedoku variant for PV Formations under realistic assumptions of shading situation”** in the journal Elsevier, Optik on April 02, 2024.

Prof. Siddheswar Kar, Dr. M. Murali and Prof. Nishant Dwivedi, The Department of Electrical Engineering, published a research article in Scopus Publication **“Grid Integrated Hybrid PV/WIND/FC System using Bat Algorithm Base PI Controlled LUO Converter”** in the International journal of electrical and electronics engineering on April 02,2024.

Prof. Sandeep K. Mathariya, Prof. Mahaveer Jain, Dr. Piyush Chouhan, Dr. Manoranjan K. Sinha, and Prof. Jayesh Surana, published a research article in Scopus Publication **“Acquiring the ability to Identifying COVID19 using deep CNN from impulse noise in chest X-Ray Pictures”** in international journal of Intelligent Systems and Applications in Engineering on April 11, 2024.



Prof. Kailash C. Bandhu and Prof. Mubeen Ahmed Khan, Department of Computer Science Engineering, published a research article in Scopus publication **“Wimax Network Optimization using frame period with channel Allocation Techniques”** in journal of Automation, Mobile Robotics and Intelligence System on April 19, 2024.

Prof. Divya Kumawat, Department of Computer Science Engineering, published a research article in Scopus publication **“Exploring Object Detection Algorithms and Implementation of YOLOV7 and YOLOV8 based model weapon detection”** in International journal of Intelligent Systems and Application in Engineering on April 23, 2024

Professors Pankaj Malik, Anikta Chourasia, Rakesh Pandit, Sheetal Bawane and Jayesh Surana, Department of Computer Science Engineering published a research article in Scopus publication **“Credit Risk Assessment and Fraud Detection in Financial Transactions using Machine Learning”** in Electrical System Journal on April 23, 2024.

Prof. Trishna Panse and Prof. Prashant Panse, Department of Computer Science Engineering and HOD of Information Technology respectively, published a research article in SCI publication entitled **“An efficient Gateway Node Selection Method for Clustering in Heterogeneous mobile AD-HOC Networks”** in Wireless Personal Communications Journal on May 01, 2024.

Dr. Ratnesh Lithoriya, Department of Computer Science Engineering published a research article in SCI publication entitled **“AI – Driven cardiac wellness: Predictive Modeling for elderly heart health optimization”** in Multimedia Tools and Application Journal on May 01, 2024.

Professors Arpit Deo, Safdar Sardar Khan, Aditi Dandwate, Mitali Nighoskar and Aviral Jain, Department of Computer Science Engineering published a research article in Scopus publication entitled **“Analysis for Predicting Respiratory Diseases from Air Quality Attributes using Recurrent Neural Networks and Deep Learning Techniques”** in INGÉNIERIE DES SYSTÈMES D'INFORMATION Journal on May 13, 2024.

Prof. Jyotsana Goyal, Department of Computer Science Engineering, published a research paper, **“A review on detection of orange disease a Thorough study”**

Prof. Manoj K.Gangwar, Prof. Rajendra K. Shukla and Prof Chitresh Nayak, The Department of Mechanical Engineering published a research article in Scopus publication entitled **“Machine Learning based Progressive Crack Fault Monetering on Spur Gear using Vibration Analysis”** in International Journal of Vehicle Noise and Vibration on May 15, 2024.



Dr. Santosh S. Raguvanshi, Department of Electrical Engineering published research articles in Scopus publications :-

-**"Stability Analysis of Grid-integrated PV systems"** in International Journal of Engineering Trends and Technology on May 17, 2024

-**"Optimization and Performance Enhancement of Renewable Energy Microgrid Energy System using Pheasant bird Optimization Algorithm"** in Journal of sustainable Technologies and Assessment on May 23, 2024.

-**"Optimization and Performance Enhancement of Renewable Energy Microgrid Energy System Using Pheasant Bird Algorithm"** in Sustainable Energy Technologies and Assessments (Elsevier), Vol. 66, June 2024.

-**"Stability Analysis of Grid-Integrated PV Systems"** in International Journal of Engineering Trends and Technology, April 2024 (ScopusCOPUS) ISSN: 2231-5381

Dr. Vipin Sharma, The Department of Mechanical Engineering published a **research article in Scopus publication entitled "Investigation on the Mechanical and Thermal properties of HEMP/ polyester composites with Integrated Zirconium Dioxide Nanoparticles"** in Nanoworld Journal on May 24, 2024.

Dr. Lokendra Singh Songare, Dr. Pinky Rane, Dr. Rakesh Pandit, The Department of Computer Science Engineering published a research article in ESCI and SCI publication entitled **"A blockchain based data sharing system for health care applications"** in journal of Electrical systems on May 27, 2024.

Dr. Ratnesh Litoriya, Department of Computer Science Engineering, published a research **"Trapezoidal fuzzy number methodology for paradizing the predictors of social media addiction"**.

Dr. Abdul Razzak Khan Qureshi, Department of Computer Science, published a research paper entitled **"Edge Intelligence Blockchain and Deep Learning Framework for Intrusion Detection in Industrial Internet of Things Enhancing Security in MANET Networks"** in the journal named Journal of Advanced Research in Applied Sciences and Engineering Technology (JARASET).

RESEARCH PUBLICATIONS



Dr. Juned A Siddiqui, Department of Electronics Engineering published a research paper on "**Pipeline Inspection Rover and IoT integration for Enhanced Monitoring and Sustainability**" on 5th of May 2024 in Journal of Technology, Volume 12
ISO : 7021-2008

Dr. Rajendra Singh Chouhan, Department of Languages has published research articles in International Journal of Science and Social Science Research entitled:

1. Exploring RK Narayan's "**The World of Nagaraj**" through a Green Lens.
2. Ecocriticism in R. K. Narayan's novel "**The Guide**".



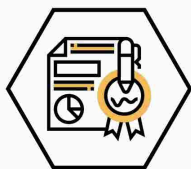
Dr. Malyaj Das, Department of Physics participated in "**Physics Teacher Training Programmne**" organised by **Azim Premji University** and Physics Training and Talent Search Organisation

Ms. Soumya Soni, Mr. Bhuvanesh Kumar Sharma, Mr. Sunil Mishra and Dr. Haldhar Sharma, The Department of Commerce, published a research paper entitled "**Technology Influence on purchase intention with respect to luxury fashion**" in Int. J. Indian Culture and Business Management, Vol. 32, No.1 Journal on June 7, 2024.

Prof. Prasanna Kapse, Department of Computer Science Engineering published a research paper, '**A subtle design of prediction models using machine learning algorithms for advocating selection and forecasting sales of garments: a case study.**'

PATENTS

PUBLISHED



Dr. Preeti Jain, Department of Chemistry, published patents on :

- **“A Method For The Synthesis Of Zinc Oxide Loaded Casein Nanoparticles”**
- **“Design of Casein Biopolymer For Control release of Micronutrient”**

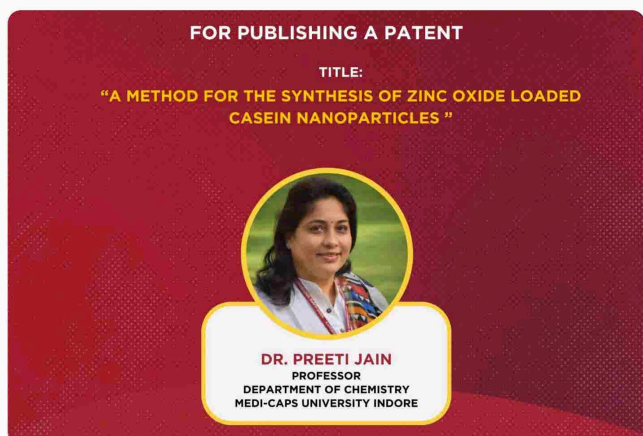
Dr Ratnesh Litoria and Mr Arpit Deo, Department of Computer Science Engineering published a patent entitled **“E-Commerce Recommendation System Based On Deep Learning”**.

Dr. Lakhan Patidar, Department of Mechanical Engineering published a patent entitled **“IOT Based Organic Waste Sorting Machine”**.

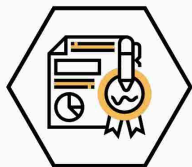
Dr. Rupali Sontakke, Prof. Nilesh Gupta, department of Pharmacy, was awarded The Copyright Office of the Government of India titled **“ShyamRang Tea - A Herbal Supplement for Hypertension”** on April 22, 2024.

Dr. Anjali Soni, Department of Chemistry, published a patent with title **“AI Based Automatic Weather Prediction System To Predict Rainfall Using Machine Learning AlgorithmProf”** on April 19, 2024.

Prof. Kuber Dutt Gautam, Department of Computer Application, published a UK Design patent titled **“Power Grid Energy Management Device”** on April 26, 2024 and May 02, 2024.



PATENTS PUBLISHED



Mr. Pavan Mehta from Department of Electrical Engineering published a patent on "**A Nested Star-Shaped Plasmonic Metamaterial Absorber**" on 2nd May 2024. Awarded Design No. 407730-001 by Indian patent.

Prof. Sourab Billore, Dr. Hemant Khambete, Dr. Sanjay Jain, department of Pharmacy, published a patent titled "**Lab Scale Hand Operated Soft Gelatin Encapsulation Machine**" on May 9, 2024.

Dr. Abdul Razzak Khan Qureshi, Department of Computer Science, was published a patent by IPR Publisher entitled "**Solar Powered Smart Window Shades**" on May 10, 2024.

Dr. Mousumi Kar Pillai, department of Pharmacy, published a patent titled "**Portable Ultrasonicator For Nanoparticle Synthesis**" on May 10, 2024.

Dr. Anuj Jain and Dr. Lakhan Patidar, The Department of Mechanical Engineering, published a patent under the title "**IOT Based Weather Detection And Forecasting Device**" on May 21, 2024.

Dr. Lakhan Patidar, The Department of Mechanical Engineering, published a patent under the title "**IOT Based Organic Waste Sorting Machine**" on May 22, 2024.

Dr. Vinit Gupta, Dr. Aditya Mandloi, Mr. Nitesh Soni, Mr. Mohammed Rafi Rehman Shaikh and Dr. Manish Sharma from Department of Electronics Engineering published patents on

-"**Blockchain- Powered Secure Data Exchange for AI- Driven Cyber Threat**" on 27th April 2024.

-"**Blockchain-Driven Data Analytics Platform For Cybersecurity Enhancement in Computer Engineering**" on May 31, 2024.

PATENTS PUBLISHED




Mr. Siddheswar Kar and Ms. Sharda Patwa from Department of Electrical Engineering published a patent on **"A System and Method of Integrated Boost-Cuk Converter for PV Application"** on 31st May 2024. Awarded Application No.- 202321078517 by Indian patent.

Dr. Bharti Agrawal, Department of Mathematics, published a patent entitled **"AI - Driven Predictive Strategies For Enhancing Electric Vehicle Battery Charging Life Cycle Sustainability."**

MEDI-CAPS UNIVERSITY

CONGRATULATIONS FOR PUBLISHING A PATENT

TITLE:
"A SYSTEM AND METHOD OF INTEGRATED BOOST CUK CONVERTER FOR PV APPLICATION"



PROF. SIDDHESWAR KAR
ASSISTANT PROFESSOR
DEPARTMENT OF ELECTRICAL ENGINEERING
MEDI-CAPS UNIVERSITY



PROF. SHARDA PATWA
ASSISTANT PROFESSOR
DEPARTMENT OF ELECTRICAL ENGINEERING
MEDI-CAPS UNIVERSITY

MEDI-CAPS UNIVERSITY

CONGRATULATIONS FOR PUBLISHING A PATENT

TITLE:
"AI - DRIVEN PREDICTIVE STRATEGIES FOR ENHANCING ELECTRIC VEHICLE BATTERY CHARGING LIFE CYCLE SUSTAINABILITY "



DR. BHARTI AGRAWAL
ASSISTANT PROFESSOR
DEPARTMENT OF MATHEMATICS
MEDI-CAPS UNIVERSITY INDORE

MEDI-CAPS UNIVERSITY

CONGRATULATIONS FOR PUBLISHING A PATENT

TITLE:
"SYSTEM AND METHOD FOR PASSENGER MANAGEMENT OF PUBLIC TRANSPORTATION USING IOT AND AI TECHNOLOGIES"



PROF. DIVYA CHOUHAN
ASSISTANT PROFESSOR
DEPARTMENT OF ELECTRONICS ENGL.
MEDI-CAPS UNIVERSITY INDORE



DR. MANPREET KAUR BHATIA
ASSISTANT PROFESSOR
DEPARTMENT OF MANAGEMENT STUDIES
MEDI-CAPS UNIVERSITY INDORE

Prof. Divya Chouhan, Department of Electronics Engineering and Dr. Manpreet Kaur Bhatia, Department of Management Studies, published a patent entitled **"System And Method For Passenger Management Of Public Transportation Using IOT And AI Technology"**.

CONFERENCE PAPERS PUBLISH

Prof. Ubaid L Hanfee, Department of Civil Engineering and Mechanics, published a paper on “**Use Of Recycled Plastic For Waterproofing**” in the International Student Conference on Multidisciplinary and Current Technical Research ISCMCTR-2024 (MITS Gwalior) held on April 20 -21, 2024.

Prof. Rohini C. Kale, Department of Civil Engineering and Mechanics, published a paper on “**Influence Of Heavy Metals On The Geotechnical Properties Of Black Cotton Soil Near Local Industrial Area Indore, MP**” in the International Student Conference on Multidisciplinary and Current Technical Research ISCMCTR-2024 (MITS Gwalior) held on April 20 -21, 2024.

Prof. Monika Pagare, Department of Civil Engineering and Mechanics, published a paper on “**Design & Life Cycle Assessment of Green Building & Its Material Using BIM**” and “**Effect Of Crude Oil Contaminated Sand On The Engineering Properties Of Concrete**” in the International Student Conference on Multidisciplinary and Current Technical Research ISCMCTR-2024 (MITS Gwalior) held on April 20 -21, 2024.

Prof. Monika Pagare, Department of Civil Engineering and Mechanics, published a paper on “**Design & Life Cycle Assessment of Green Building & Its Material Using BIM**” and “**Effect Of Crude Oil Contaminated Sand On The Engineering Properties Of Concrete**” in the International Student Conference on Multidisciplinary and Current Technical Research ISCMCTR-2024 (MITS Gwalior) held on April 20 -21, 2024.

Books Published

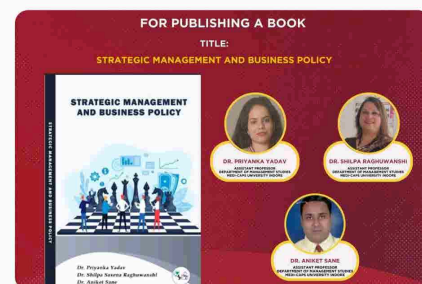
Prof. Ram Bansal, Department of Mechanical Engineering, published a book "**Strength of Materials**".

Dr. Santosh Singh Raghuvanshi, Department of Electrical Engineering, published a book "**Fundamentals of Hybrid and Electric Vehicles**".

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, published two books for the ICSE board titled, "**Robotics and Artificial Intelligence**" for 9th and 10th standard for Kips Learning Pvt Limited.

Prof. Siddheswar Kar and Dr. M. Murali, Department of Electrical Engineering, published a book "**Electrical Vehicles for Smart City**".

Dr Priyanka Yadav, Dr Shilpa Raghuvanshi and Dr Aniket Sane published a book "**Strategic Management And Business Policy.**"

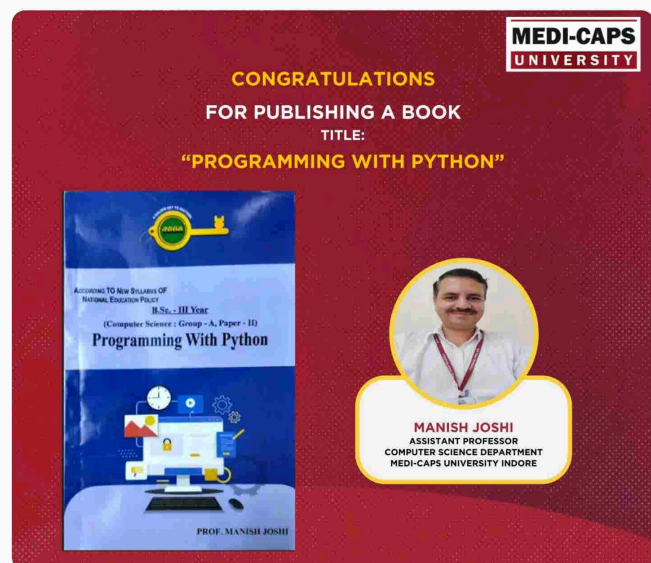


Dr. Ranubala Marothiya published a chapter titled '**Real Education: A Harmonious Synthesis of Man and Environment**' in the book Ecology and Integrative Discourse A Reflective Analysis with ISBN 978-81-96943- 90

Books Published

Dr. Sanjeev Gour, Prof. Manish Joshi and Dr. Abdul Razzak Khan Qureshi, Department of Computer Science, authored a book entitled **"Artificial Intelligence And Their Applications"**. The book was published on April 17, 2024 with e-ISBN: 978-93-6252-717-2.

DR Suhana Puri Goswami, Faculty of Agriculture published two book **"Environmental And Climate Change"** and **"Soil Fertility And Plant Nutrition."**



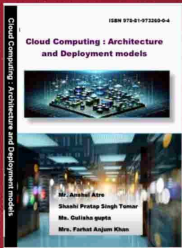
Prof. Manish Joshi authored a book **"Programming with Python"** published by Devi Ahilya Prakashan. (ISBN:978-93-95364-75-1)

Dr Irfan Khan, Department of Mechanical Engineering, authored a book **"Principle of Rapid Machine design"**.

Books Published

FOR PUBLISHING A BOOK
TITLE:

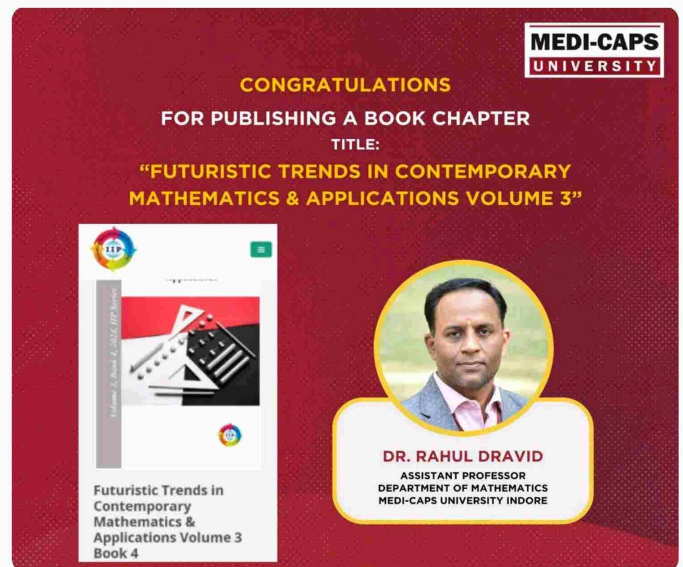
“CLOUD COMPUTING : ARCHITECTURE AND DEPLOYMENT MODELS”



PROF. FARHAT ANJUM KHAN
DEPARTMENT OF COMPUTER SCIENCE
MEDI-CAPS UNIVERSITY INDORE

Prof. Ankit Shandilya and Prof. Himanshu Dehariya, Department of Computer Application published a book “Hands on Cloud Computing: Practical Guide to AWS, Azure and Google Cloud” by SCICRAFT HUB.

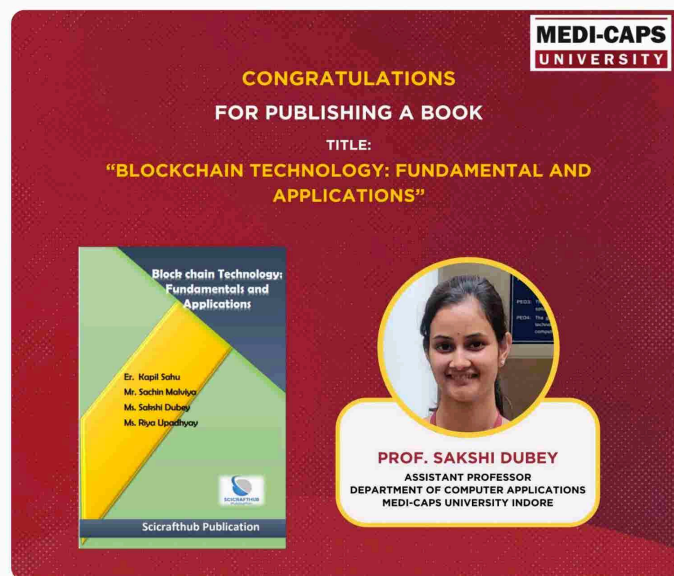
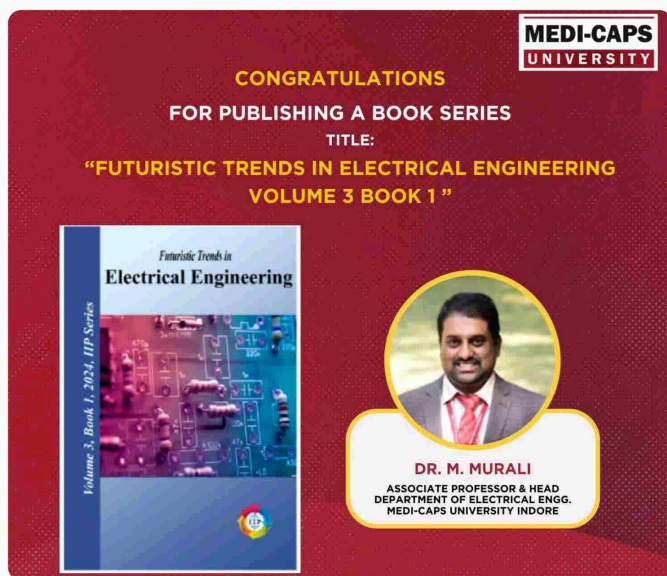
Dr Shalini Sharma, Dr. Shubhra Mathur, Department of Chemistry, authored a book entitled “Recent Trends In Nano Science And nano technology For Future Development” in April 2024 with Alpha International Publication ISBN No 978-93-5762-267-7.



Books Published

Dr. Rahul Dravid, Department of Mathematics, authored a chapter in the book entitled **“Linear Differential Equation with Fixed Coefficient”** in April 2024 with IIP Book series

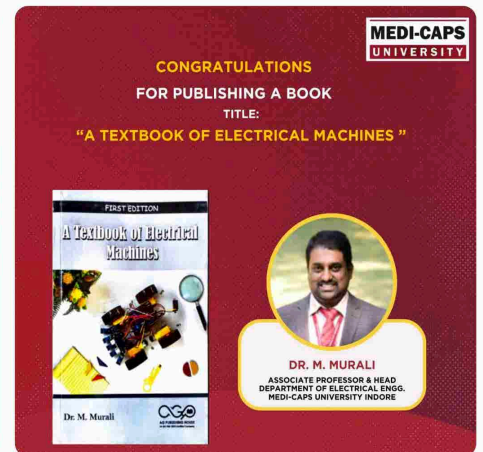
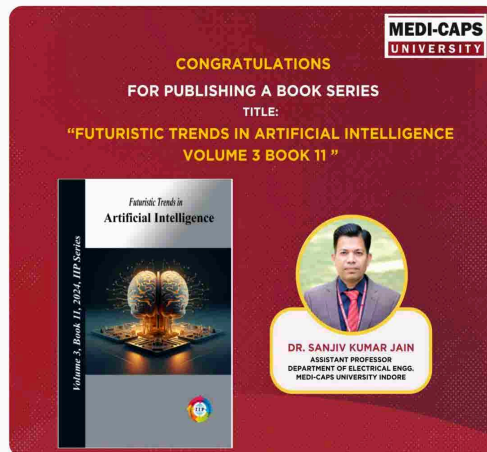
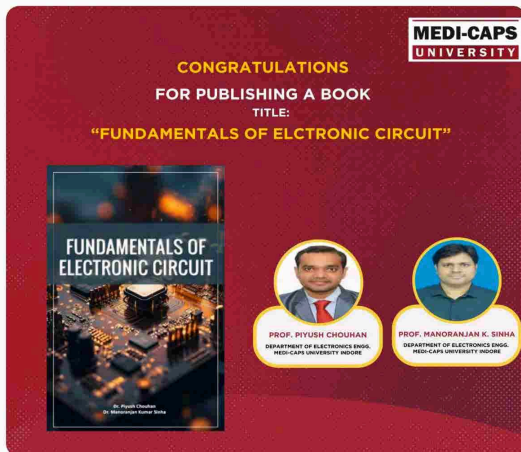
Dr. M Murali, The Department of Electrical Engineering, published a book series **“Futuristic Trend in Electrical Engineering Volume 3 Book 1”**.



The book **“Blockchain Technology: Fundamental and Applications”** is authored by Prof. Sakshi Dubey, Department of Computer Application, and published by SCICRAFT HUB. The book was published on May 20, 2024.

Books Published

Dr. Sanjiv Kumar Jain, The Department of Electrical Engineering, published a book series under the title **"Futuristic trends in Artificial Intelligence Volume 3 Book 11"** on May 23, 2024.



Prof. Piyush Chouhan and Prof. Manoranjan K. Sinha, The Department of Electronics Engineering, published a book under the title **"Fundamentals of Electronic Circuit"** on May 23, 2024.

Dr. M. Murali, The Department of Electrical Engineering, published a book under the title **"A Textbook of Electrical Machines"** on May 28, 2024.

Prof. Sharda Patwa and Prof. Siddheswar Kar, Department of Electrical Engineering published a chapter **"Monitoring of PV Based EV Converter System using Internet of Things"** in the book **"Futuristic Trends in IOT, IIP Series"** in May 2024

Books Published

Dr. Shalini Sharma, Prof. Gajendra Kumar Inwati, Prof. Deepti Pal, Prof. Anjali Soni and Prof. Ekta Roy, Department of Chemistry, authored a chapter in the book entitled, "**Thin Film Nanomaterials: Synthesis, Properties and Innovative Energy Application**" in May 2024 with Bentham Books. ISBN:978-981-5256-09-3 eISBN:978-981-5256-08-6 (online).

Prof. Siddheswar Kar and Prof. Sharda Patwa, Department of Electrical Engineering published a chapter "**Solar Energy for Optimized Controller Based DC-DC Converter**" in the book "**Futuristic Trends in Renewable & Sustainable Energy, IIP Series**".

Prof. Siddheswar Kar, Dr. M. Murali and Prof. Sharda Patwa, Department of Electrical Engineering published the book "**Fundamental Concepts of Power Electronics**" by A G Publishing House in June 2024.

Dr. M. Murali, Department of Electrical Engineering published a book "**A Text Book of Electrical Drives**" by A G Publishing House in June 2024.

Prof. Rahul Singh Raghuvanshi, Prof. Vishal Sarsaiya and Prof. Nidhi Singh published a book on "**HARMONIZING PLANT HEALTH –bridging plant pathology and entomology**".

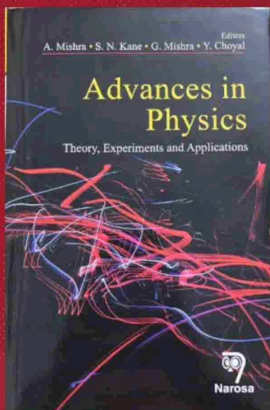
Books Published

Dr. Malyaj Das, Department of Physics has published two chapters in the Book **Advances in Physics: “Theory, Experiments and Applications”, published by Narosa Publications**”.

FOR PUBLISHING A BOOK CHAPTER

TITLE:

“ADVANCES IN PHYSICS: THEORY EXPERIMENTS & APPLICATIONS”

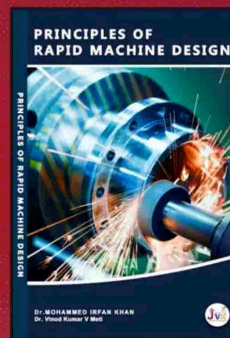


DR. MALYAJ DAS
HEAD
DEPARTMENT OF PHYSICS
MEDI-CAPS UNIVERSITY INDORE

FOR PUBLISHING A BOOK

TITLE:

“ PRINCIPLES OF RAPID MACHINE DESIGN”



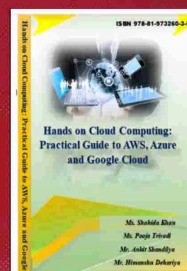
DR. IRFAN KHAN
ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL ENGG.
MEDI-CAPS UNIVERSITY INDORE

The book **“Hands on Cloud Computing: Practical Guide to AWS, Azure and Google Cloud”** is authored by Prof. Ankit Shandilya and Prof. Himanshu Dehriya from Department of Computer Application and published by SCICRAFT HUB. The book was published on May 29, 2024.

FOR PUBLISHING A BOOK

TITLE:

“HANDS-ON CLOUD COMPUTING PRACTICAL GUIDE TO AWS, AZURE, AND GOOGLE CLOUD”



PROF. ANKIT SHANDILYA
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER APPLICATION
MEDI-CAPS UNIVERSITY INDORE

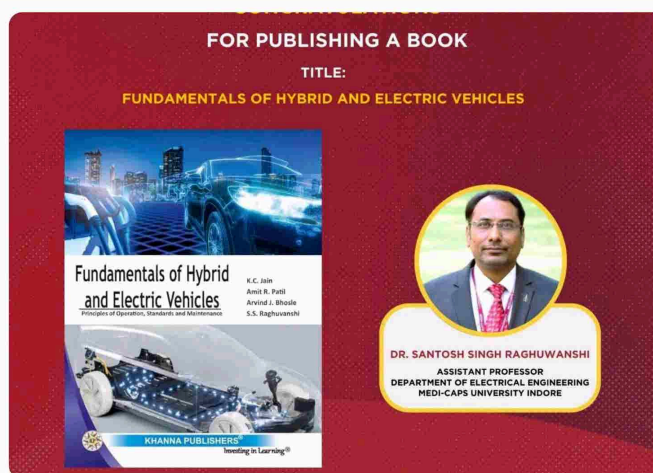
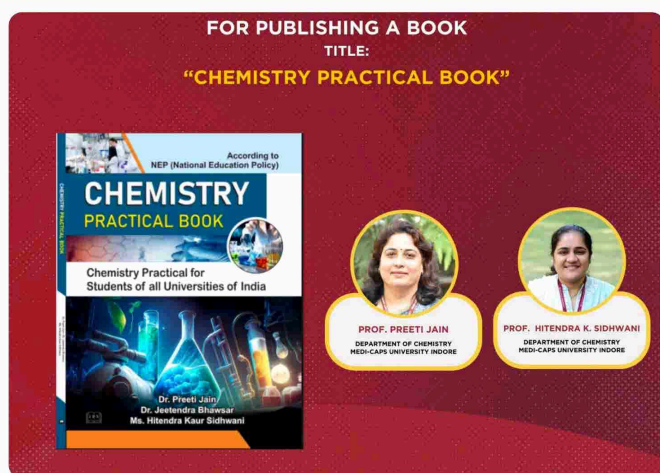


PROF. HIMANSHU DEHARIYA
ASSISTANT PROFESSOR
DEPARTMENT OF COMPUTER APPLICATION
MEDI-CAPS UNIVERSITY INDORE

M. Shobha Devi
M. Pooja Tripathi
M. Ankit Shandilya
M. Himanshu Dehriya

Books Published

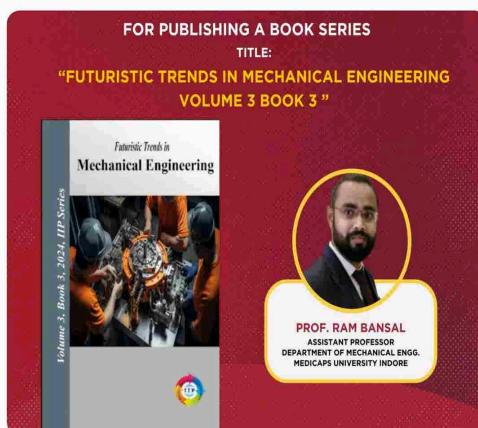
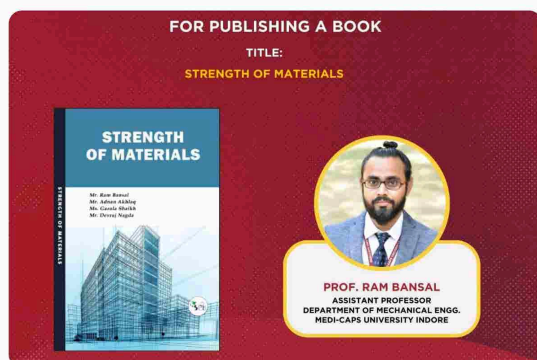
Prof. Preeti Jain, prof. Hitendra K. Sidhwani, Department of Chemistry published the book titled "Chemistry Practical Book".



Dr Santosh Singh Raghuvanshi, Department of Electrical Engineering published the book "Fundamentals of Hybrid and Electric Vehicles".

Prof. Ram Bansal, Department of Mechanical Engineering published books titled -

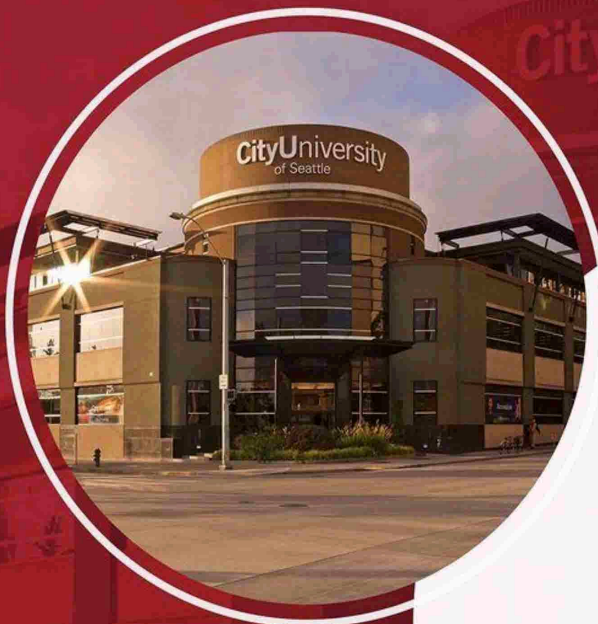
- Strength of Materials
- Futuristic Trends in Mechanical Engineering Book 3, Vol. 3



Memorandum of Understanding



Medi-Caps University signed an MoU with City University of Seattle, United States of America. On June 10, 2024, the Faculty of Commerce at Medi-Caps University and ZELL Education Private Limited entered into this cooperative agreement to foster the overall development of students. The MoU was signed by Dr. P. Siluvainathan, Registrar of Medi-Caps University, and Prof. Anant Bengani, Co-founder of ZELL Education Private Limited, in the presence of Hon'ble Vice-Chancellor Dr. D.K. Patnaik, Pro-Vice-Chancellor Dr. D. K. Panda, Dean of Management and Commerce Dr. Sanjay Jain, Dr. Ravindra Pathak, Head of International Affairs, Dr. Haldhar Sharma, Head of Commerce, and Program Chair Dr. Sunil Mishra.



MoU with
CityUniversity
of Seattle

📍 **USA**



EXPERT TALK

On April 15, 2024 a seminar on **“Scope of IT and its challenges”** was organized by the Department of Computer Science and Computer Applications, Prof. Vilekh Adawadkar Senior Software Developer and Trainer YPSILON IT Solutions was the speaker.



Dr. Ashootosh Mandpe, Department of Chemistry, organised a lecture on **“Solid Waste Management”** on April 12, 2014 .

An Alumni talk on **“Creativity and Innovation in the Electronics Industry ”** was conducted by the Department of Electronics in collaboration with Medicaps Alumni Association and Medicaps IIC on April 22, 2024.

Prof. Meenakshi Sharma, Department of Pharmacy, organised an **“Alumni Interection”** session on April 24, 2024.

Medi-Caps University organised **“Alumni Founder Talk”** with Prof. Hemant Sharma, MCA graduate, Co-founder and CTO of Fealty Technologies Pvt. Ltd.

On April 04, 2024 the Department of Management Studies organized an expert lecture on **“Practical Approach To Digital Marketing”** by Prof. Shanky Bansal Director, Click Multimedia and Data Analytics Pvt. Ltd. for MBA students. The event was coordinated by Prof. Dr. Mukesh Porwal, Dr Manpreet Kaur Bhatia and Dr Shikha Kumrawat.



EXPERT TALK

The Corporate Relation Team of Medi-Caps University collaborated with Tata Consultancy Services (TCS) on their **“Each One Empowers One”** initiative. TCS speakers shared insightful strategies for educating illiterate individuals in rural areas, highlighting the importance of community involvement and sustainable development.



On June 13, 2024 Medi-Caps IIC, organised the session titled **“How To Plan For Start-Up And Legal & Ethical Steps”** in the Amphitheatre of MII Foundation featured Dr. Priyanka Yadav from the MBA department as the keynote speaker.

On April 25, 2024, The Department of Agriculture, in collaboration with the Medicaps IIC, hosted an alumni talk on **“Agribusiness Management And Unlocking Opportunities In Various Sectors Of Agribusiness”**, featured the speakers Prof. Suryansh Awasthee and Prof. Shruti Patidar, the experts from Agribusiness Management. Prof. Upasna Mishra, Prof. Suhana Puri Goswami, Prof. Ajay Sinha were conveners.



INDUSTRIAL TRAINING



The Department of Computer Science organised an industrial visit under the supervision of Prof. Indra Vaidhya and Prof. Laxmi Kag for first year students of BCA Program to **MLD Effluent Treatment Plant**, IMC, Kabitkhedi, Indore on April 06, 2024.



Dr. M. Murali, Prof. Siddheswar Kar, Prof. Pavan Mehta along with 4th year students from Department of Electrical Engineering organized an **Industrial Visit to 400 KV (OUTDOOR) and 132 KV (GIS)** on 08 April, 2024.



The department of Computer Science Engineering, under convener Prof. Ankit Soni, coordinator- Prof. Indra Vaidya and Prof. Laxmi Kag organized an industry visit for first year students at **ETP IMC Indore** on April 18, 2024.

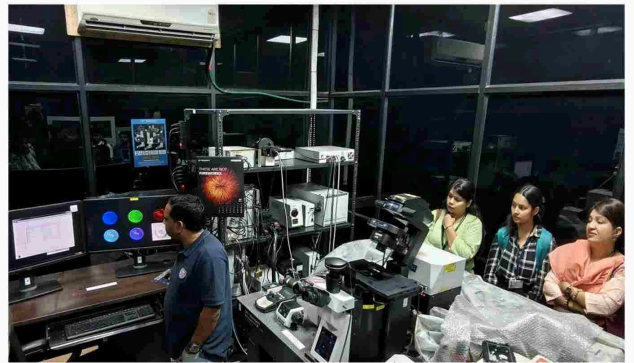
INDUSTRIAL TRAINING



Medi-Caps University organised an **“Educational Visit to IIT Indore’s Sophisticated Instrumentation Center (SIC)”** under the guidance of Dr. Mahesh Dhonde. Students on their visit were introduced with cutting-edge scientific tools like FE-SEM, CLSM, AFM, NMR, FT-IR, CD spectroscopy, and more.



Prof. Kush Soni and Prof. Manish Mahajan organized a **“Project Phase-II Visit”** at Signimus behind Orbit Mall Indore on 12th April 2024.



Department of Electronics Engineering executed an **industrial visit to Sapcon Instrument Pvt Ltd**, Indore. The visit provided our B.Tech. - EC, II, and III-year students with profound insights into industrial operations and technology, encompassing various departments such as R&D, Electronic Production, Mechanical Production, Quality Control, and Marketing and Sales.

The Department of Electrical Engineering organized industrial visits for project coordinators to assess the progress of students completing their internships in industries for the final semester on April 17, 2024.

An Industrial visit to the construction site of the **Flyover bridge under PATH(1) Ltd** at Footikothi Indore for students of Civil Engineering Department followed by the detailed site insights explained by Er. Santosh Pal on April 17, 2024.

SPECIAL EVENTS



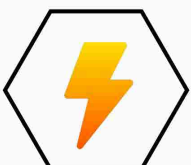
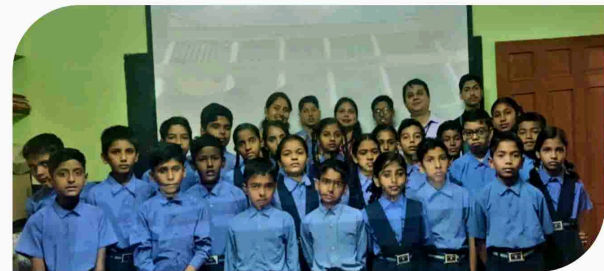
Outreach Activity on Sustainable Development for Future Generation

Prof. Ankit Soni, Department of Civil Engineering, organised an “**Outreach Activity on Sustainable Development for Future Generation**” on April 05, 2024 which was conducted at Govt. Middle School Basipipri, Mhow Dist. Indore. It was attended by 27 middle school students.



Outreach Activity at Ideal High Secondary School

Dr. Juned A Siddiqui, Prof. Aayushi Bhardwaj and Prof. Surbhi Badole Department of Electronics Engineering conducted an “**outreach activity at Ideal High Secondary School**”, Shanti Nagar Mhow Gaon, Dr. Ambedkar Nagar M.P. on April 15, 2024.



Outreach Activity at Kendriya Vidhyalaya

MU-AWS Next members participated in an outreach program to Kendriya Vidyalaya Mhow on April 26, 2024.

SPECIAL EVENTS



THE TECHNO MANAGEMENT FEST

The Management Department organised “**THE TECHNO MANAGEMENT FEST**” with various techno-based competitions and cultural activities.



Role Of Chemistry In Everyday Life

The Department of Chemistry, arranged a poster making competition on the topic “**Role Of Chemistry In Everyday Life**” on April 11, 2024.



Second Reunion of the Pune City Chapter

The Medi-Caps Alumni Association (MAA) and Medi-Caps University held their “**Second Reunion of the Pune City Chapter**” on April 13, 2024. More than 100 graduates from the classes of 2004 to 2023 enthusiastically participated coming up with numerous commitments for the University and students, like mentorship programmes, internships and placements.



SPECIAL EVENTS



Society Centric Applications of Science

On April 23, 2024, Department of Physics, organised a Physics Mini-Project Exhibition titled **“Society Centric Applications of Science”** with participation of around 250 B.Tech. first-year students. This exhibition aimed to ignite students' passion for physics and showcase how its principles can be applied to tackle real-world societal challenges. The event was effectively chaired by Prof. (Dr.) A. A. Koser, Dean Science and Dr. Malyaj Das, HOD Physics. The event was graced by the presence of a distinguished judging panel comprising: Dr. Preeti Jain, Department of Chemistry, Prof. S. Mythily, HOD Biotechnology, Dr. Anjali Soni, HOD Chemistry, Prof. Murli Matcha, HOD Electrical Engineering.



SPECIAL EVENTS



A Technical Outreach Activity 2.0

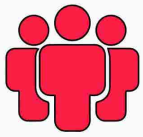
“A Technical outreach activity 2.0” for school students at Kendriya Vidyalaya Mhow Indore, was organised by the Department of Computer Science and Engineering, under the guidance of Dr. Latika Jindal and Dr. Ratnesh Lithoriya on April 28, 2024



Academic & Career Paths

Medi-Caps University hosted **Prof. Marcus Mahlum from the University of Wisconsin-La Crosse, USA**. Prof. Marcus shared global insights and opportunities, he also discussed academic opportunities and career paths in the USA.





EDITORIAL BOARD



CHIEF EDITORS

-Dr. Ranubala Marothiya
-Dr. Anisha Jain

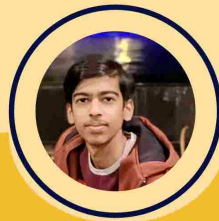
CONTENT & IDEATION TEAM



Aayan Pandit
CSE - III Sem



Riddhima Kaushal
CSBS- III Sem



Kshiteesh Joshi
CSE - III Sem

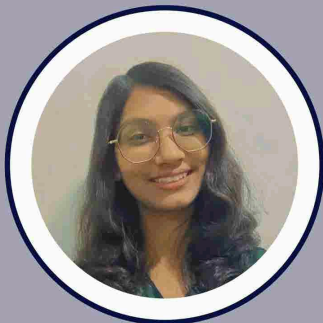


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IT - III Sem

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CSE - III Sem



Shubham Gupta
CSE - III Sem



Khushboo Gangarde
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CSE - III Sem