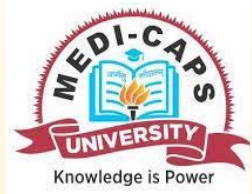




# Medi-Caps University FLASHES



October 2024 Volume 4 : Issue 3

Quarterly Newsletter



# Research Paper Published

Dr. Safdar Sardar Khan, Prof. Aashish Kumar Kumawat, Prof. Ankita Choursiya, and Dr. Pinky Rane published a research paper titled **"Modeling the Detection and Classification of Tomato Leaf Disease Using a Robust Deep Learning Framework"**.

Dr. Kailash Chandra Bandhu and Prof. Sachin Published research paper with title **"Summagen: Next-Generation Seq To Seq Model For Summarization Unstructured Text"**.

Prof. Siddheswar Kar and Prof. Sharda Patwa published a research paper Entitled **"Coupled Inductor Interleaved Boost Converter with ANN and RNN based MPPT algorithm for PV System"** in September 2024

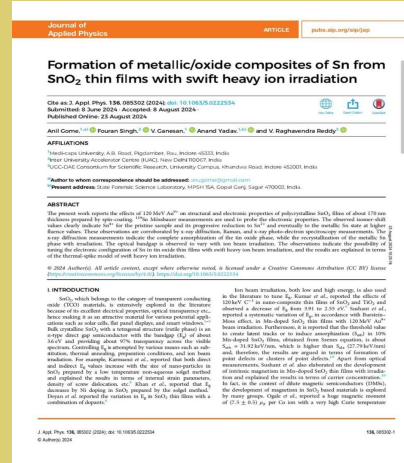
Prof Sharda Patwa published a research paper entitled: **"An In-Depth Review of High-Performance DC-DC Converters for Electric Vehicle Charging Infrastructures"** on September 2024

Dr. Kailash Chandra Bandhu and Prof Rudresh Shah published a research paper titled **"Comparison And Evaluation Of Energy Efficient Cloud Computing Techniques With Load Balancing Approaches"**.

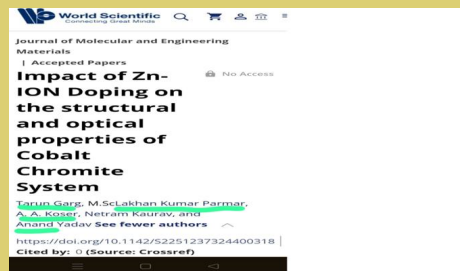
Prof Vineeta Rathore published research paper titled **"Dynamic Energy Aware Routine Protocols Using Reinforcement Learning In Large Scale Sensor Network"**

Dr. Prashant Panse published a journal article titled: **Multi-Class Classification and Transfer Learning for Rapid Disease Detection in Green Leafy Vegetables Using Convolutional Neural Networks.**

Dr. V. Ganesan, Prof. Anil Gome, Department of Physics, published a research paper entitled **"Formation of metallic/oxides composition of Sn from SnO<sub>2</sub> thin films with soft heavy ion irradiation"** in the Journal of Applied Physics on August 23, 2024.



Dr. A. A. Koser, Prof. Tarun Garg, Prof. Lakhman Kumar Parmar, Department of Physics, published a research paper entitled **"Impact of Zn ION doping on the structural and optical properties of Cobalt Chromite system"** in the Journal of Molecular and Engineering materials on August 8, 2024.



Dr. Sneha Deshmukh, Department of Agriculture, published a research paper entitled **"Fostering Biodiversity and Optimising the Integration of Agriculture with Bio-energy Systems"** in the International Journal of Agriculture, Environment and Biotechnology in August 2024.

# Research Paper Published

Prof. Aman Soni, Prof. Pradeep Kumar, Prof. Vishal Sarsajya and Prof. Gaurav Kumar Ahirwar, Department of Agriculture, published a research paper entitled "**Study of Biology and Bio- efficacy of Botanicals on Pulse Beetle (*Callosobruchus chinensis* L.) of stored Chickpea Seeds**" in Biological Forum - An International Journal on September 15, 2024.

Prof. Poornima Singh, Prof. Ashok Kumar and Prof. G. K. Ahirwar, Department of Agriculture, published a research paper entitled "**Heterosis and Combining Ability Analysis in Tomato Using Line Tester Model**" in the Archives of Current Research International on June 26, 2024.

Poornima Singh, Ashok Kumar and G. K. Ahirwar, Department of Agriculture, published a research paper entitled "**Assessment of Heterosis in Tomato (*Lycopersicon esculentum* L.)**" in the Journal of Scientific Research and Reports on August 29, 2024.

Prof. Abhishek, Prof. Harpal Singh, Prof. G. K. Ahirwar and Prof. Dushyant, Department of Agriculture, published a research paper entitled "**Assessment of Different Organic Manures on Morphological and Floral Attributes of Marigold (*Tagetes erecta* L.)**" in the Journal of Scientific Research and Reports on August 29, 2024.

Dr. Mithun Kumar Ghosh, Department of Chemistry, published a research paper entitled "**A new 2, 5-bis(pyridin-4-yl) pyridine-based Mn (II) metal-organic framework on photochemically antibiotic degradation**" in Inorganica Chimica Acta, 569, p.122132, 2024 on September 1, 2024.

Prof. Satvaan Singh, Prof. Sunil Malik, Prof. Mukesh Kumar, Prof. Satendra Kumar, Prof. Gaurav Kumar Ahirwar, Prof. Amit Kumar and Prof. Vishal Shrivastava, Department of Agriculture, published a research paper entitled "**Influence of Silver Nanoparticle (AgNP), Sodium Nitroprusside (SNP) and 8 Hydroxy quinoline citrate (8-HQC) on vase Life of Chrysanthemum (*Chrysanthemum morifolium*) cv. 'White Star'**" in Biological Forum - An International Journal on September 15, 2024.

Dr. Mithun Kumar Ghosh, Department of Chemistry, published a research paper entitled "**Synthesis and characterization of mixed ligands-based Co (II)-based coordination polymers and study their photochemically antibiotic degradation**" in Inorganica Chimica Acta, 569, p. 122133, 2024 on September 1, 2024.

Dr. Mithun Kumar Ghosh, Department of Chemistry, published a research paper entitled "**A new 3D Zn (II)-based MOF with gra topological network as a photocatalyst for antibiotic degradation**" in Applied Organometallic Chemistry, p.e7647 on July 25, 2024.

Prof. Chitresh Nayak and Prof. Rajendra Kumar Shukla of the department of Mechanical Engineering published a research paper titled "**Investigating the Effect of Zirconium Dioxide Micro & Nano Particles on the Mechanical Characteristics of Al-7075 Alloy**" under the journal named "Advances in Materials and Processing Technologies".

# Research Paper Published

Dr. Mamta Gaur, Department of Chemistry, published a research paper entitled **"A review on areas of homo and hetero-binuclear complexes with oxygen"** in International Journal of Chemistry Studies on September 3, 2024. (ISSN: 2581-348X)

Dr. Mamta Gaur, Department of Chemistry, published a research paper entitled **"Comparative Analysis of Agglomerative Clustering and K-means Clustering Algorithms for Brain Tumour Segmentation in MRI Images"** in African Journal of Biological Sciences in July 2024. (Scopus Index)

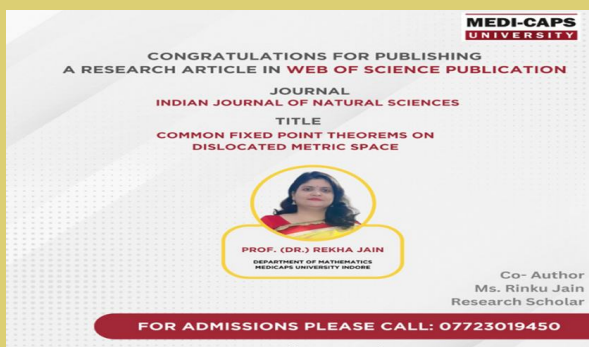
Dr. Shalini Goswami, Department of Chemistry, published a research paper entitled **"Computational Chemistry approaches for Drug Discovery: Accelerating the design and Optimization of Therapeutics"** in African Journal of Biological Sciences. (ISSN: 2663-2187)

Dr. Shalini Goswami, Department of Chemistry, published a research paper entitled **"A review on areas of homo and hetero-binuclear complexes with oxygen"** in International Journal of Chemistry Studies on September 3, 2024. (ISSN: 2581-348X)

In the month of September Dr. Himanshu Borade and Prof. Hitesh Agrawal from the Department of Mechanical Engineering publish a research paper named **"Utilising TGAN and ConSinGAN for Improved Tool Wear Prediction: A Comparative Study with ED-LSTM, GRU, and CNN Models"** under the journal 'Electronics' in SCI Q1 Category.

A research paper entitled **"Experimental Analysis and Comparison of Thermophysical Properties of the Three Different Hybrid Nano-catalyst Blended Diesel Fuel"** was published by Prabhat Patel and Dr. Ravindra Pathak from the department of Mechanical Engineering on 16 August 2024 in Australian Journal of Mechanical Engineering.

Dr. Rekha Jain of the department of Mathematics at Medi-Caps University has published two research papers entitled **"Relation between Fractional Domination number of some Graphs and their Line Graphs"** and **"A Fixed point theorems in Complex Valued Dislocated Metric Space"** in **"Communication on Numerical Analysis vol (31) No. 6s(2024).(Scopus)"** & **"Indian Journal of Natural Sciences for Vol.15 /Issue 85 /Aug 2024 (Web of Science)"** respectively.



# Research Paper Published

Research papers entitled **“Existence and Uniqueness of Solutions in Fuzzy Differential Equations through Fixed Point Theory”** and **“Reducing Laundry Time Uncertainty: A Fuzzy Logic Method for Predicting Washing Machine Duration”** has been published by Dr. Ashish Soni of Department of Mathematics in August, 2024, in journal named ‘Industrial Engineering Journal (UGC) under Volume: 53, Issue 8, No.1’.

The research paper entitled **“Traversable Wormholes in 4D EGB gravity”** of Dr. Nisha Godani, of the Department of Mathematics, was published in ‘International journal of geometric methods in modern physics (SCI Index)’ in September 2024.

Dr. Rupali Santakke of the Department of Pharmacy authored a research paper entitled **“Recent Development of Herbal Gel by Combination of Medicinal Plants in the Treatment of Periodontitis”** published in The African Journal of Biological Sciences.

On 7 July, 2024 a research paper titled **“Effect of Structural Parameters of Brij Surfactants on Self-Emulsification of Poorly Soluble Drug”** was published by Dr. Shailendra Chouhan and Dr. Hemant Khambete of the Department of Pharmacy in The International Journal of Applied Pharmaceutics.



# Patents Published

Dr. Rahul Singh Raghuwanshi, Department of Agriculture, was awarded the patent office, government of India titled "**AI enabled plant disease diagnosis and treatment recommendation device**" on July 18, 2024.

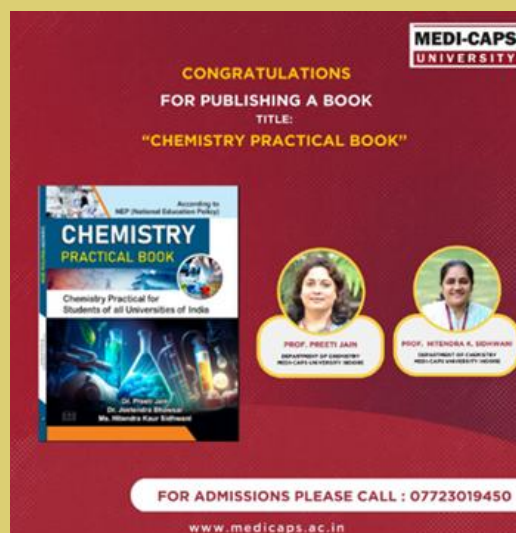
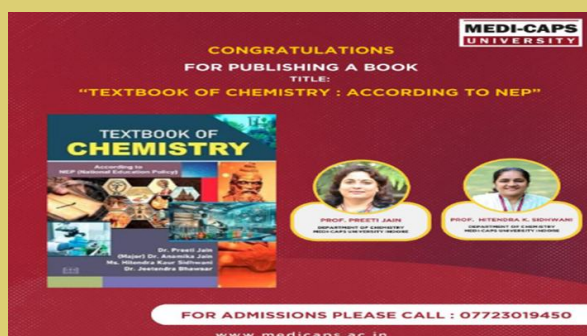
Dr. Mamta Gour, Department of Chemistry, was awarded patent office 'IP India' titled "**Advances in Lung Cancer Treatment: Nanoparticle-Based drug delivery strategies**" on August 23, 2024.

Dr. Deepti Pal, Department of Chemistry was awarded Office of the Controller General of Patents, Designs and Trademarks, Government of India titled "**System and Method for Forming Noble Metal Nanoparticles using Green Chemistry Techniques**" on July 4, 2024.

Dr. Sanjiv K. Jain published a patent titled '**Adaptability and Resilience in the Supply Chain in Logistics Engineering Regarding Industry 4.0**' on July 27. Additionally, on September 6, he published another patent titled '**Seismic Analysis for High-Rise Structures Supported on Triple Friction Pendulum Bearings Using Artificial Intelligence.**'

## Book Published:

The book "**Chemistry Practical Book**" is authored by Dr. Preeti Jain and Prof. Hitendra Kaur Sindhwani, Department of Chemistry and published by Indu Book Services Pvt. Ltd. in July' 2024



# Book Published

The book **"Textbook of Chemistry"** is authored by Dr. Preeti Jain and Prof. Hitendra Kaur Sindhvani, Department of Chemistry and published by Indu Book Services Pvt. Ltd. in August' 2024.

Dr. Aditya Mandloi and Prof. Ankita Mandloi published a book titled **"Energy- Efficient VLSI Design and Low-Power Electronics"** on 15 aug 2024.

The book **"Sustainable Development and Environmental Challenges"** is authored by Dr. Preeti Jain, Department of Chemistry and published by Indu Book Services Pvt. Ltd. in August 2024.

Dr. Shalini Goswami, Department of Chemistry, published a research paper entitled **"Computational Chemistry approaches for Drug Discovery: Accelerating the design and Optimization of Therapeutics"** in African Journal of Biological Sciences. (ISSN: 2663-2187)

Dr. Mamta Gour, Department of Chemistry, authored a chapter titled **"Assessment of Water Quality Physicochemical parameters using Association Rule Mining for River Narmada "** which was published by BP International on July 15, 2024.

Dr. Deepti Pal, Department of Chemistry, authored a chapter titled **"TiO<sub>2</sub>, ZnO and Fe<sub>2</sub>O<sub>3</sub> Thin Film Nanomaterials: Preparation to Applications"** published by Bentham Science Publishers Pvt. Ltd. Singapore in July, 2024.

Dr. Deepti Pal, Dr. Shalini Sharma and Dr. Anjali Soni, Department of Chemistry, authored a chapter titled **"Thin Film of Molybdenum Disulphide, an emerging class of Semiconducting Materials: Properties, Characterization and Photovoltaic Applications"** published by Bentham Science Publishers Pvt. Ltd. Singapore in July, 2024.

Prof. Nisha Mandloi and Prof. Akanksha Meval of the Department of Pharmacy authored a book chapter entitled **"Nanoscale Dendrimers in Targeted Drug Delivery: A Systematic Review"** published by Nova Medicine And Health.

Dr. Mithun Kumar Ghosh, Department of Chemistry, authored a chapter titled **"Synthesis, Properties, and Biological Applications of Benzothiazoles S-Heterocycles: Retrospect, Prospects, and Biological Applications"** published by Royal Society of Chemistry on July 24, 2024.

# Workshops and seminars

The Faculty of Civil Engineering embarked on an industrial visit to Moira Saria Steel Plant. The event was convened by Prof. Dr. Shilpa Tripathi.



25 students from 5th and 7th semester of the Department of Pharmacy attended an outreach in Panada village about the **Awareness on Malaria and Dengue**. The event was organised by the Faculty of Pharmacy.

B.pharm students at Medi-Caps University attended an event on VAC- Good Manufacturing Practices In Pharmaceutical Operations from 5 to 8 August 2024. The event was convened by Dr. Sanjay Jain and Coordinated by Prof. Sourabh Billore.



15 B.Pharm Students attended an event titled VAC- PK-PD Modelling from 12 to 16 August 2024. The event was convened by Dr. Sanjay Jain and coordinated by Dr. Mousumi Kar Pillai.



# Student Laurels



Ms. Aarti Pathak, a URF and Research Scholar, achieved First Prize at the International Conference on **“Interdisciplinary Approaches in Science,”** organised by the Sagar Institute of Research and Technology Excellence in Bhopal on July 25-26, 2024.



Ms. Aarti Pathak, a URF and Research Scholar, presented a paper at the International Conference on September 12-13, 2024.



Ms. Aarti Pathak, a URF and Research Scholar, achieved First Prize in paper presentation at the National Conference on **'A Conventional Discussion on Synthetic Organic Chemistry and Beyond,'** organized by Govt. Madhav Science PG College, Ujjain, on August 26-27, 2024.

Mr. Paras Ingle, a final year B.Tech student, Cdt/SGT, and third-year NCC cadet from the Department of Mechanical Engineering at Medi-Caps University, has been selected for the PARA BASIC COURSE to be held at the Paratroopers Training School, Agra, and the Army Airborne Training School, Agra. He is the only SD cadet selected from the Madhya Pradesh and Chhattisgarh Directorate.

Mr. Shrikant Tiwari, Mr. Manuj Dubey, Ms. Krati Tiwari, Ms. Deeksha Patel, Mr. Raj Shivhare students of 3rd year had a training program at CSIR-CBRI ROORKEE.

## Others

The Mechanical Engineering Department celebrated Vishwakarma Jayanti. In line with their theme, **शिक्षा भी और संस्कार भी**, they organised two activities. A robot performed the Aarti and later drew Lord Ganesha.



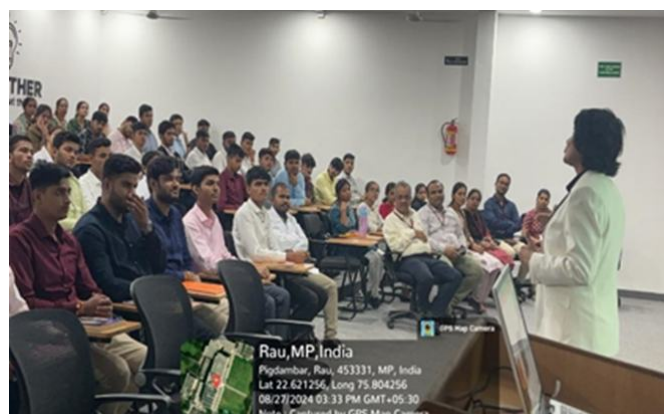
# Expert lecture

Ms. Shilpy Singh gave an expert talk on the topic **“Pharma Genesis- Laying the Foundation of Future Pharmacist”** on August 28, 2024 in MII Conference Hall. The event was convened by Dr. Sanjay Jain of the Department of Pharmacy.

Prof. Dr. Ram Janam Choudhary from the Department of Chemistry organised an expert lecture to introduce the field of spectroscopy to undergraduate and postgraduate students (Bio-Tech and B.Sc., M.Sc. Chemistry/FS, M. Pharma, Research Scholars) in the Minor Auditorium, along with Dr. Anjali Soni and Dr. Rajendra Kumar Sharma, on the topic 'Application of Spectroscopy' on September 24,



Mr. Amit Tiwari gave career counselling and an expert lecture on the topic **“Future Prospects in Pharma Industry”** on September 3, 2024 in the Pharmacy Block. The event was convened by Dr. Sanjay Jain of the Department of Pharmacy.



The Information Technology Department conducted an Expert Lecture on **“The Intersection of Blockchain and Forensics: Emerging Trends and Challenges”** on 10 September 2024. The speaker was Prof. Pranay Chauhan, Cyber Security Consultant: Forensics Auditor, Founder.

# Faculty Flashes

Prof. Parag Raverkar attended Alumni leadership program from 30 Aug to 2 September, 2024.

Prof. Aayushi Bhardwaj, Prof. Surbhi badola participated in a faculty development program titled: **"Next generation robotics enabled by IoT for sustainable development"**. It was held from 9 September to 14 September, 2024.

Prof. Bharat Pahadiya received a certificate for his contribution as a reviewer in the International Conference on Electrical, Electronics and Computing Technology organised by Sharda University.

Dr. S. D. Upadhyay, received Rs. 2 Lakh grant for Buyer Seller Meet on Medicinal Plants by National Medicinal Plants Board Govt. of India Ministry of Ayush, New Delhi.

Dr. Sanjay Singh, Submitted research Proposal for the grant of Rs. 6 lakh to MPCST, Bhopal.

Prof. Sourabh Billore of the Department of Pharmacy attended a training program provided by Animal Health and Veterinary Hospital, Mhow on July 15, 2024.

Dr. Sanjay Jain, Professor and Dean of the Department of Pharmacy, visited as a guest speaker at the Pharmacy Student Induction Program at Vikrant Institute of Pharmacy and Sciences, Indore.

Research Scholars and Lab Technicians of Physics Department attended a Practical session of Physics on the topic **"Explain the Cyclotron Stimulation"** on August 22, 2024.

Dr. Anjali Soni, Department of Chemistry, participated in a 5 day national level online workshop organised by A. C. T. Academy, Kerala and Tamil Nadu Unit on the topic **"Vedic Mathematics: Formulas Calculation and Application"** from August 8, 2024 to August 12, 2024.



Dr. Anjali Soni, Department of Chemistry, participated in One day national online seminar organised by A. C. T. Academy, Kerala and Tamil Nadu unite on the topic **"NAAC Reforms in Accreditation process: 2024"** on August 11, 2024.



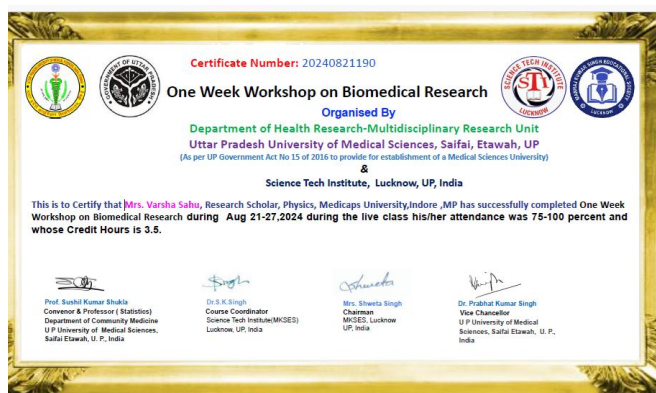
Prof. Priyanka Sisodiya and Prof. Divita Sharma, of Department of Mathematics, attended an **"International Symposium on Computational Mathematics and Advance Computing"** at Takshila Campus, DAVV, Indore on 24 August 2024.

# Faculty Flashes

Prof. Mridula Chandola (Research Scholar), Department of Physics, participated in the International conference on Advanced Nanomaterials and Applications organised by School of Advanced Sciences, VIT-AP University India and University of Southern Denmark, Denmark on the topic "Oral Presentation on Polycrystalline Si Solar Cells: Power harvesters for Indoor Use" on July 10-12, 2024.



Prof. Varsha Sahu (Research Scholar), Department of Physics, attended a Workshop on Biomedical Research organised by Uttar Pradesh University of Medical Sciences, Saifai, UP and Science Tech Institute, Lucknow from August 21, 2024 to August 27, 2024.



Dr. Kuldeep Swarnkar, Department of Civil Engineering attended an international workshop on 'Design and Implementation of Smart Water Systems' on 30 and 31 August, 2024.

Prof. Hitendra Kaur Sidhwani attended 5th International Conference on "Interdisciplinary Approaches in Science, Engineering and Technology" (ICIASET-2024) organised by Department of Applied Science from July 25, 2024 to July 26, 2024 and presented a research paper on "Advancements in Green Synthesis Techniques for Nanoparticles: A Comprehensive Review of Sustainable methods and their Applications"



All Faculty members of the Medi-Caps University were a part of a free health check up camp, organised by the Faculty of Pharmacy, which took place on 14 September 2024 in association with Medanta Hospital.

All Faculty members of the Medi-Caps University were a part of a free health check up camp, organised by the Faculty of Pharmacy, which took place on 14 September 2024 in association with Medanta Hospital.



# Faculty Flashes

Hitendra Kaur Sindhwani, Department of Chemistry participated in a faculty development program organised by ACT Academy, FDP Division, Kerala on the topic “AI tools for Teaching Learning Process” in June, 2024.



Prof. Abhishek Shrotriya and Prof. Lekhraj Patidar of the Department of Mechanical Engineering organised an industrial visit for 2nd and 3rd year students to Dee Tee Industries Pvt. Ltd., Indore on 2 August 2024.



Hitendra Kaur Sindhwani, Department of Chemistry participated in a teachers training programme organised by MMTTC Ajmer titled “10 days orientation and Sensitization Programme on NEP 2020” from July 1, 2024 to July 10, 2024. (Completed the Teacher’s Training Programme with Grade “A”)



Dr. Anjali Soni, Department of Chemistry participated in a teachers training programme organised by MMTTC Ajmer titled “10 days orientation and Sensitization Programme on NEP 2020” from July 1, 2024 to July 10, 2024. (Completed the Teacher’s Training Programme with Grade “A”)

Dr. Anjali Soni, Department of Chemistry participated in a UGC Sponsored Online Short Term Programme organised by RTMNU Nagpur titled “Online short term programme on Research Methodology in Science” from July 8, 2024 to July 13, 2024.



Prof. Abhishek Shrotriya and Prof. Lekhraj Patidar of the Department of Mechanical Engineering organised an industrial visit for 2nd and 3rd year students to Dee Tee Industries Pvt. Ltd., Indore on 2 August 2024.

# Faculty Flashes

Prof. Priyanka Sisodiya and Prof. Divita Sharma, of Department of Mathematics, attended an "International Symposium on Computational Mathematics and Advance Computing" at Takshila Campus, DAVV, Indore on 24 August 2024.

Dr. Anjali Soni, Department of Chemistry participated in a Malaviya Mission Teacher Training Programme organised by IISER Bhopal titled "10 days orientation and Sensitization Programme on NEP 2020" from July 22, 2024 to July 31, 2024 .

Dr. Mamta Gour, Department of Chemistry participated in a faculty development program organised by Institute of Marketing and Management Delhi on the topic "Advance Tools and Techniques for Research Methodology" from August 1, 2024 to August 12, 2024. (RFI - CARE)



Prof. Kamal Prajapat (Research Scholar), Department of Physics, participated in Faculty Development Program on "Renewable and Non Renewable Energy Sources and Their Impact on Current Energy Scenario" organised by Department of Science and Humanities, Nehru Institute of Technology, Coimbatore from August 27, 2024 to August 31, 2024.



# Clubs Flashes

## Advanced Studies Club

Medi-Caps University Advanced Studies Club organised its first sessional event "Aarambh: Unlocking Data Science". Mr. Varshit Dubey was invited as the speaker who is a Data Science and Artificial Intelligence Consultant at Boston Consulting Group. The event took place on 27th September, 2024 in the Major Auditorium. Dr. Ranubala Marothiya convened the program along with Prof. Neha Kapil and other faculty members.



Around 300 students took part in the event. It was a sponsored event by Dwellfox Pvt. Ltd. The event aimed on tips and tricks with industry knowledge on how to make a career in the field of data science.



# Clubs Flashes



A Space talk was organised by Science Club with association with the Physics Department in Mini Auditorium, F Block, on the topic **"Telescope and Celestial Bodies "** on September 4, 2024.



Yog and Spiritual Club organised two weeks workshop on Asan, Pranayam, Mudra and Meditation in Yog Centre, Medi-caps University from June 20, 2024 to July 4, 2024.

Yog and Spiritual Club organised an Induction program and expert lecture on **"Concentration in the age of Distraction"** in the Major Auditorium , Medi-Caps University on September 12, 2024.

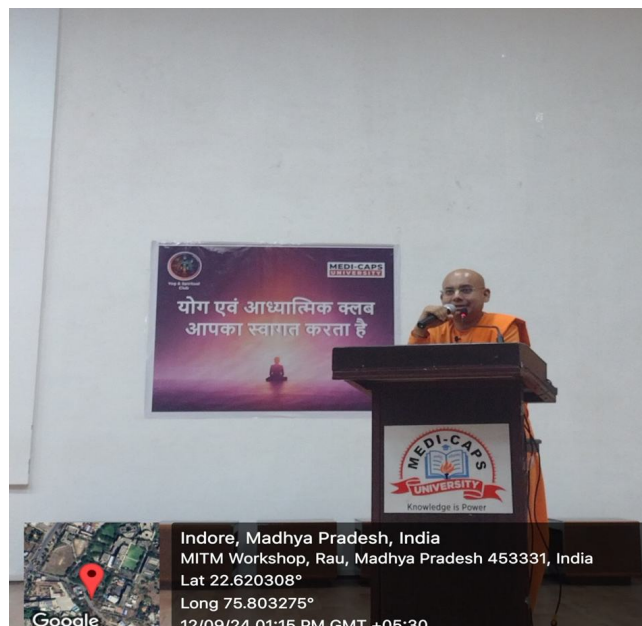
A two-week workshop was organised on **"Asan, Pranayam, Mudra and Meditation"** from **June 20 to July 04, 2024 (9:00-10:00 AM)** at **Yog Centre** by Yog and Spiritual Club. The session was taken by Dr. Puja Singh, Prof. I/C Yog and Spiritual club. The practical sessions, training on **Asan, Pranayam, Mudra and Meditation** was being imparted.





# Clubs Flashes

Yog and Spiritual Club organised an Expert Session on Concentration in the age of Distraction on September 12, 2024 at 12:15 pm at Major Auditorium on the occasion of the Induction Program of the club. The session was delivered by Shri Vrajendra Krishna Das, temple Co-President ISKCON Ujjain.



The Math Club organised an Outreach Activity "**Aarambh 24**" at Eklavya Model Residential School, Khandwa Road, Indore. The activity was coordinated by Dr. Pranjali Kekre & Prof. Priyanka Sisodiya.

An Event "**Jab we Math**" was organised by Math Club on 25 September 2024 in Minor Auditorium at Medi-Caps University. The event was coordinated by Dr Pranjali Kekre and Prof. Priyanka Sisodiya and chaired by Dr Rinku Verma and Dr Keerti Acharya.

Department of Computer Science Engineering and Techno Clubs successfully organised the induction programme consisting of an oath ceremony of the newly appointed post holders of Techno Clubs and felicitation ceremony of their predecessors on September 6, 2024 from 3-5 pm in the Major Auditorium.



# Clubs Flashes

## ACM Student Chapter, Techno Club



**Conquering Canva** was an online masterclass led by the Ms. Aditi Pathak, designed to unlock the full potential of Canva and empower participants with advanced design skills.



**AI Tools in Digital Marketing** was a comprehensive webinar led by Prof. Kaustubh Joshi, an IIM alumnus, where participants gained valuable insights into harnessing the power of AI to enhance digital marketing strategies and drive impactful results.



**Basics of Video Editing Using Premiere Pro** was an engaging hands-on workshop conducted by Ramkrishna Swarnkar, former Graphics Head of MU-ACM. Participants explored fundamental video editing techniques, gaining practical skills to master the essentials of Premiere Pro.

It was a webinar to introduce the basic concepts of JavaScript. The speaker for the same was Prof. Swayam Prajapat.

## AWS Cloud Club, Techno Club

**Cloud Computing Essentials** was a comprehensive educational program consisting of three sessions aimed at equipping students with fundamental cloud computing skills. The sessions were led by esteemed faculty members Prof. Maya Yadav Baniya, Prof. Sachin Yele, and Prof. Ajeet S. Rajput .

This four-day event was designed to bridge the gap between academic learning and professional requirements, offering participants valuable insights and practical skills for their career advancement.

The session provided a comprehensive learning experience aimed at enhancing participants' skills in AWS technologies. Led by Shivendra Pratap Singh Patel, AWS Captain and President of Techno Clubs, the session offered in-depth insights into cloud computing and AWS solutions.

## GDG, Techno Club

The hands-on workshop on Data Structures and Algorithms offered participants practical insights into foundational concepts. The session was led by Vipul Jat, GDG On-Campus Lead, who guided attendees through key techniques and problem-solving strategies

### STIC

It was an engaging hands-on workshop focused on Python and data visualization, where participants gained practical skills in analyzing and visualizing data using Python's powerful libraries

# Clubs Flashes

## IEEE Student Branch, Techno Club

The workshop was organised in collaboration with Continue Education Cell. Dr. Anil Audumbar Pise was the speaker for the session.

IEEE organised an industrial visit to Deqode Indore for the students of IEEE.

The event was organized in collaboration with the Department of CSE and the Central Library, featuring Prof. Lakhpat Singh as the speaker. Participants gained valuable insights and knowledge from his expert session.

It was a dynamic event featuring insightful talks from CEOs across various industries, offering valuable perspectives on leadership, innovation, and industry trends..

## Outreach Program: Report

The Maths Club at Medi-Caps University proudly hosted its outreach program titled "**Aarambh'24**" on August 31, 2024. The event took place from 2:00 PM to 5:00 PM at E.M.R.S Khandwa Rd, Anuradha Nagar, Indore. Designed as a one-day initiative, the program engaged a total of 230 participants in a variety of mathematical activities and discussions. The out reached activity was organized by esteemed faculty members Prof. Dr. Pranjali Kekre and Prof. Priyanka Sisodiya, Department of Mathematics who also served as the faculty coordinators. The primary goal of this outreach program was to enhance mathematical understanding and foster a passion for mathematics among participants.



## Jab we Math Event :

An Event "**Jab we Math**" is organised by Maths Club on 25th september, 2024 at Minor Auditorium Medi-Caps University in Coordination of Dr. Pranjali Kekre and Prof. Priyanka Sisodiya, Chaired by Dr. Rinku Verma and Dr. Keerti Acharya. It was an event designed to provide entertainment and foster camaraderie among participants. consist of three distinct rounds, each focusing on a different category: Math, Music, and Movies.

# Miscellaneous

Dr. Pranjali Kekre of the Department of Mathematics completed a government certification course on AI and Data Science in September 2024.

The Department of Civil Engineering, Medi-Caps University successfully signed a Memorandum of Understanding with UltraTech Cement Ltd.



To aware about beauty of the Hindi language and its literary richness, on the occasion of Hindi Diwas, ढ Sahityik Club successfully organized two enriching events: an Essay Writing Competition on September 11, 2024.

The Kavi Sammelan, held on September 13, 2024, from 2:00pm to 5:00 pm and brought together over 40 participants, out of which 11 talented and budding poets were selected to share their original Hindi poetry with the audience. Certificates were distributed to all the participants for their valuable contribution.



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## Courses:

B.Tech | BBA | BCA | BCA+MCA Integrated | B. Com(Hons.) | B. Pharm | B.SC  
MBA | MCA | M.Sc. | M.Tech | MA | Ph.D

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