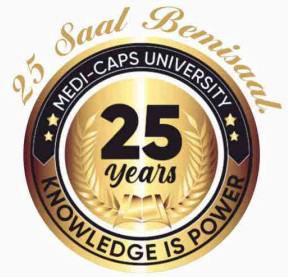


# Medi-Caps University

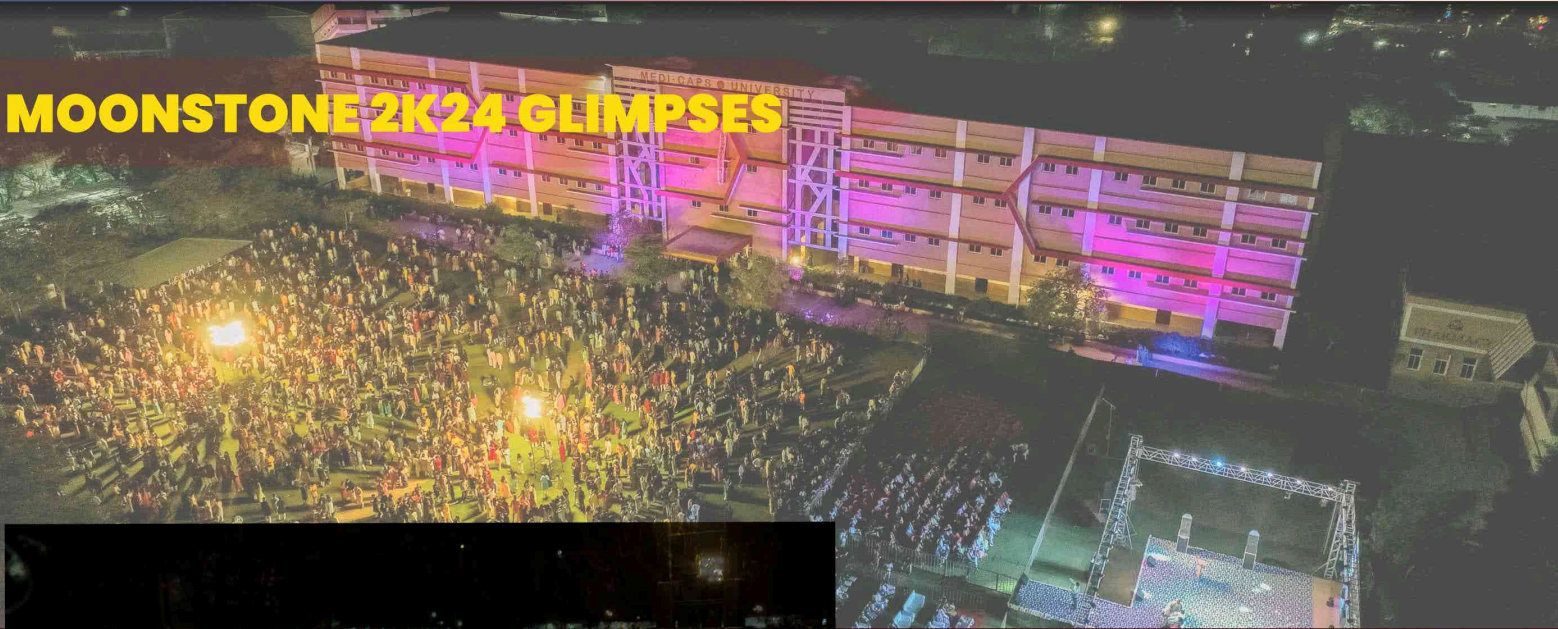
# FLASHES



January 2024 Volume 4 : Issue 1

Quarterly Newsletter

## MOONSTONE 2K24 GLIMPSES

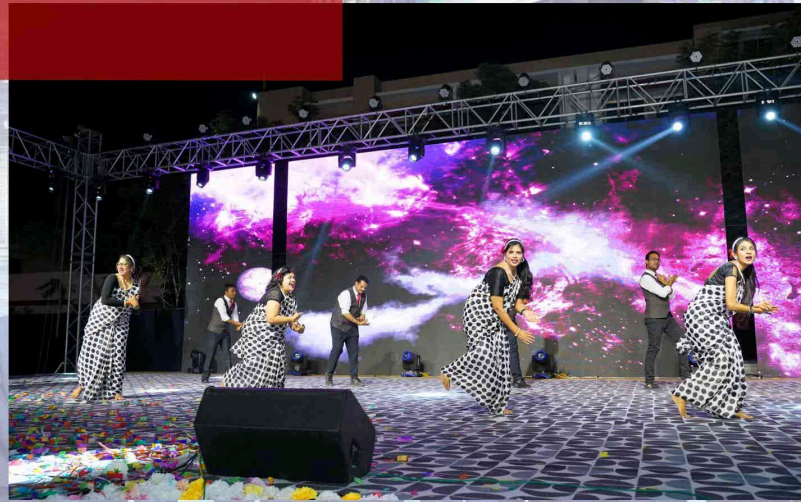


Medi-Caps University celebrated its Annual Fest "Moonstone 2024" from 21st-23rd March 2023. The fest was inaugurated by Honourable Vice-Chancellor Dr. Dilip K. Patnaik, Pro. Vice-Chancellor Dr. D.K. Panda And Dr. Promod S. Nair, Dean Of Engineering. The inauguration ceremony witnessed a parade and cultural performances by students. Several clubs, technical chapters, departments and student bodies organised different fun events and exhibitions and put up several stalls as a part of the "Techno-Management Fest".

# KAVI SAMMELAN & STAFF NIGHT



On March 21, 2024, "**Kavi Sammelan**" was organised on the main stage, in front of q-block with poets Mr. Ashok Bhati, Mr. Himanshu Bawandar, Mr. Shubham Swaraj, Ms. Sonal Jain And Mr. Samarth Bhawsar. The event was followed by "**Staff Night**" where faculty members lit up the stage with their performances. the evening concluded with the ramp walk of Honourable Chancellor, Vice-Chancellor And Other Faculty Members.



# ACCORD & SYMPHONY



On March 22, 2024, **"Symphony"**, the music competition, where students showcased their musical talent, was also held on the same day. **"Accord"**, the band war, was held in the evening which was inaugurated by the well known band "Faasley" and it was followed by the performances of competing bands.



# MOONSTONE 2024

# GROOVE & MELANGE



On March 23, 2024 **"Groove"**, The dance competition was organised and participants captivated the audience with their mind-blowing performances. the fest concluded with **"Melange"**, The Fashion Show, A Legacy Of Medi-Caps.



# Spandan Awards

## Dean of the Year



Dr. Shilpa Tripathi  
Dean of Student Affairs

## Chancellor's Gold Medal



Dr. A.A Koser  
Director - IQAC

## HOD of the Year



Dr. Rekha Jain  
Associate Professor

Medi-Caps University Spandan 2024 Awards				
S.No	Award Category	Awardees	Designation	Department
1	100% Attendance Students	Mr. Piyush Khatri	BCA (Sem - III)	SC22CS301112
2	NSS Best Volunteer	Mr. Aadesh Kothari	B.Pharm (Sem - VIII)	PY20PY301001
3	Outstanding Sportsman	Mr. Govind Patel	B.Sc CS (Sem-II)	SC22CS302012
4	Ashlesha Deshpande Scholarship 2024	Mr. Kushagra Jain	B.Tech EE (Sem - VIII)	EN20EL301053
5	Meritorious Staff	Mr. Prashant Sapkar	Security Guard	Department - Security
		Ms. Neetu Chauhan	Safai Karmchhari	Department - House Keeping
		Ms. Sunita Solanki	Safai Karmchhari	Department - House Keeping
		Mr. Jagdish Dodiya	Mali	Department - Maintenance
		Mr. Subhash Gehlod	Driver	Department - Transport
		Mr. Jeevan Rathore	Welder	Department - Maintenance
		Mr. Kapil Garnal	Office Boy	Department - Admin
		Mr. Rakesh Kumar	Office Boy	Department - Agriculture
		Mr. Susheel Dusane	Technician	Department - CMC
		Mr. Nilesh Modi	Lab Technician	Department - MCA
		Ms. Monika Nim	Tele Caller	Department - Admissions
		Mr. Hirday Yadav	Office Assistant	Department - Civil Engineering
		Ms. Rekha Pillai	Office Assistant	Department - Exam
		Mr. Deepak Verma	Assistant Librarian	Department - Library
		Mr. Hemant Jaiswar	Office Executive	Department - Admin
Mr. Manoj Ingle	Account Officer	Department - Accounts		
Mr. Ravindra Gour	Purchase Officer	City Office		
6	Meritorious Faculty	Dr. Suhana Puri Goswami	Assistant Professor	Department of Agriculture
		Dr. Deepti Pal	Assistant Professor	Department of Chemistry
		Mr. Deepak Patel	Assistant Professor	Department of Civil Engineering
		Dr. Babita Dubey	Assistant Professor	Department of Commerce
		Dr. Ritu Sodhi	Assistant Professor	Department of Computer Application
		Mr. Govinda Patil	Assistant Professor	Department of Computer Science
		Dr. Kailash Chandra Bandhu	Professor	Department of Computer Science Engineering
		Mr. Prashant Raghuvanshi	Assistant Professor	Department of Electrical Engineering
		Dr. Juned Ahmed Siddiqui	Associate Professor	Department of Electronics Engineering
		Mr. Shivam Chourasiya	Assistant Professor	Department of Forensic Science
		Ms. Trapti Mishra	Assistant Professor	Department of Information Technology
		Dr. Anisha Ashish Jain	Assistant Professor	Department of Languages
		Dr. Mukesh Porwal	Professor	Department of Management
Dr. Pranjali Kekre	Assistant Professor	Department of Mathematics		
Dr. Ravindra Pathak	Associate Professor	Department of Mechanical Engineering		
Dr. Sumeet Prachand	Associate Professor	Department of Pharmacy		
Dr. Mahesh Dhonde	Assistant Professor	Department of Physics		
7	Research Awards	Dr. Ratnesh Litoriya	HOD	Department of Computer Science Engineering
		Dr. Sanjiv K. Jain		Department of Electrical Engineering
8	Special Award (Sports & Discipline)	Mr. Gourav Patel	Assistant Professor	Department of Mechanical Engineering
9	Special Award (IT Services)	Mr. Sunil Kushwaha	Assistant Professor	Department of Computer Science Engineering
10	Special Award (Admissions)	Mr. Murli Mukati	Assistant Professor	Department of Mechanical Engineering
11	Outstanding Performer Award	Mr. Baidyanath Mishra	Manager	Maintenance Department
12	Officer of the Year	Mr. Kapil Shrivastava	Director - Admissions	Admission Cell
13	HOD of the Year	Dr. Rekha Jain	Associate Professor &	Department of Mathematics
14	Dean of the Year	Dr. Shilpa Tripathi	Dean of Student Affairs	Department of Mechanical Engineering
15	Chancellor's Gold Medal	Dr. A. A. Koser	Director - IQAC	Department of Physics



# The Champions League 2.0



Ahead of Moonstone 2K24, Medi-Caps University Athletics and Sports Association organised **"Champions League 2.0"** starting from March 15, 2024. Students from various universities participated in the sports competitions.

The students of Medi-Caps emerged victorious in several competitions. The league witnessed the portrayal of exemplary team spirit, athleticism and sportsmanship.





## The Champions League 2.0

<p><b>TEAM SPORTS</b></p> <ul style="list-style-type: none"> <li>CRICKET (M)</li> <li>MINI SOCCER (M)</li> <li>BASKETBALL (M/F)</li> <li>KABBADI (M)</li> <li>VOLLEY BALL (M/F)</li> <li>TUG OF WAR (M/F)</li> </ul> <p><b>GYM EVENTS</b></p> <ul style="list-style-type: none"> <li>DEAD LIFT</li> <li>BENCH PRESS / SQUATS</li> <li>POWER LIFTING</li> </ul> <p><small>Note: Weight Category as per AIU</small></p>	<p><b>INDOOR GAMES</b></p> <ul style="list-style-type: none"> <li>TABLE TENNIS (M/F)</li> <li>BADMINTON (M/F)</li> <li>BADMINTON (M+M)</li> <li>BADMINTON (M+F)</li> <li>CHESS (Mix)</li> <li>CARROM (Mix)</li> </ul> <p><b>ATHLETICS</b></p> <ul style="list-style-type: none"> <li>100 m (M/F)</li> <li>200 m (M/F)</li> <li>100*4 Relay (M/F)</li> <li>SHOT PUT (M/F)</li> </ul>
---	---



# Workshops and Webinars

The Department of Civil Engineering conducted a 30-hour Value Added Course on **“Vastu Shilp Shastra”** from 11th March–3rd April 2024. The speaker for the session was Mr. Ajit K. Jain, Department of Civil Engineering.



The Department of Mechanical Engineering, in collaboration with IIT-Indore, organised a 6-day Bootcamp on **“Drones and Its Associated Technologies”** from 1st-6th March, 2024.

On February 28, 2024, on the occasion of National Science Day, Medi-Caps University organised an Expert Talk on **“Indigenous Technologies for Viksit Bharat”**. The speaker for the session was Dr. Ram Janay Choudhary, Senior Scientist, UGC-DAE CSR Indore..



The Faculty of Agriculture and Faculty of Management in association with MPCST Bhopal organised a **“National Seminar on Intellectual Property Rights: Think, Create and Inspire”**, technically supported by the Faculty of Law on February 16, 2024. The chief guest for the session was Dr. Anil Pare. The speakers for the session were Mr. Seshu Bhattar Seshadri, Dr. Harish B. Bapat, Dr. Jitendra Choureand Dr. Ruchi Sharma.

A seminar on **“Entrepreneurship Skill, Attitude and Behaviour Development”** was hosted by MAA in collaboration with Medi-Caps IIC and E-Cell in February, 2024. The session featured Mr. Hemant Sharma, Founder of Fealty Technologies Pvt. Ltd. who is also an alumni of Medi-Caps University from the MCA Batch of 2004.

# Workshops and Webinars



The Department of Computer Science and Engineering and the Department of Computer Applications organised a one-day seminar on **“Scope of IT and its challenges”** on February 22, 2024. The speaker for the session was Mr. Vilekh Adawadkar.

Medi-Caps IIC in association with E-Cell organised a workshop on **“Business model canvas”**. The speaker for the same was Mr. Ram Janm Singh of Department of Mechanical Engineering, Medicaps University.



Medi-Caps University, in collaboration with IDP Education, hosted an enlightening **“Canadian University Meet Up Session”** at the Career Development Center in February, 2024.

Faculty of Pharmacy in collaboration with Sun Pharma, Dewas conducted the **“Pharma Connect Programme”**. It was visited by Senior Management, Regulatory Affairs and HR personnel from the Industry.

Dr. M. Murali, Mr. Nishant Dwivedi and Mr. K. Vijeta, Department of Electrical Engineering, organised a workshop on **“Industrial Automation”** on February 1, 2024. The speaker for the session was Mr. Sanu Kumar, Automation Engineer, Arist Automation.



# Industrial Training



An Exposure visit to a **sugar processing industry** located in Borawan, Khargone was organised on March 16, 2024 by the Faculty of Agriculture for the students of third and fourth year under the supervision of Mr. Hradesh Patel, Mr. Rajul Soni, Dr. Shivpal Singh, and Mr. Murlidhar Iyer.

An industrial visit was organised by the Department of Electrical Engineering to **Indo German Tool Room, Indore** with program chair Dr. M. Murali and co-ordinators Ms. Preeti Singh and Mr. Pavan Mehta on March 16, 2024.



An industrial visit to **SAPCON Industries, Indore** was organised by the Department of Electronics Engineering for the students of second and third year on March 16, 2024.

Department of Electrical Engineering organised an industry visit to **Shakti Pumps, Pithampur** on March 16, 2023.



The Department of Physics organised an educational visit to the **Sophisticated Instrumentation Centre, IIT Indore** on March 13, 2024.

The Department of Mechanical Engineering organised an industry visit to **Tata Cummins Private Limited** in Dewas on March 12, 2024.



The Faculty of Agriculture organised an educational tour for final year ELP (Experiential Learning Program) students to provide practical exposure and insights into both traditional and modern agricultural practices from 2nd-8th March 2024. The tour covered prominent **ICAR institutions** and research centres in Pantnagar, Nainital, Dehradun and Haridwar.

The Department of Physics organised an educational visit for first year students to **RRCAT, Indore** on February 25, 2024.



Industrial visit to **Cummins Turbo Technologies** was conducted for the students of the Faculty of Engineering in February, 2024.



# Students' Laurels

Ishika Bhatia, Yash Jain, Khushbu Kothari, Anushka Mittal and Avadhi Patni students from the department of computer science and engineering secured placement at **Principal Global Pvt. Ltd.** With a package of 8.0 LPA.

Ms. Eshika Neema won the first position in the **"Indore International Open FIDE Rating Rapid Chess Tournament"** and won a cash prize of Rs. 50,000.

Mr. Bhavesh Choudhary represented the university & successfully qualified for **The All India Aquatic University Games** in the 50-Meter Freestyle event.

Arpita Solanki won **"The South-West Inter-University Karate Championship 2023-2024"** held at LNCT, Bhopal from 18th-19th January 2024.

Ashish Bankaa, a student of MCA, secured a placement at **Nezda** for a package of 15 LPA.



Khushbu Kothari

## KUDOS TO THE CHESS CHAMPION

Participated in Indore International Open FIDE Rating Rapid Chess Tournament and achieved **FIRST POSITION** along with a prize of Rs. 50,000.



Represented the University in AIU South West Zone Aquatic Competition & successfully qualified for the **All India Aquatic University Games** in the 50 Mtr. Freestyle event



A REMARKABLE ACHIEVEMENT

**FIRST INTERNATIONAL PLACEMENT IN THE 2024 BATCH AT MEDICAPS UNIVERSITY**

**Ashish Banka (MBA)**  
Secured placement with **Nezda Technologies, Philippines**

PACKAGE: **15** LPA



# Students' Laurels

Four students from the Faculty of Management secured placement at **Cease Fire**.

Seven students of the Batch of 2024 secured placement at **Cisco**.

Three students from the Faculty of Engineering secured placement at **Manikaran Power Limited**.

Two students from the Faculty of Engineering secured placement at **Padmini VNA Mechatronics Limited**.

PhD scholar Jamir Shaikh, Department of Mathematics, received Best Paper Award under the supervision of Dr Pranjali Kekre in the **"6th International Conference on Emerging Trends on Sustainable Approaches in Science and Technology (ICETSAST – 2024)"** initiated by SDRISE India.

Team 1- Raviraj Singh Chouhan, Sumit Chouhan & Vignesh Puppala and Team 2- Dakshita Saxena and Mahak Joshi under the guidance of Mr. Ashwin Parihar and Mr. Ubaid L Hanfee from the Department of Civil Engineering, respectively secured first runner up and second runner up positions in the **"Ultratech Cement Shining Star Competition"**.



Anil Patel  
MBA Finance



Aditya Chouhan  
MBA Marketing



Dharmendra Patel  
MBA Finance



Dheeraj Manglani  
MBA Finance



Manasi Kulkarni  
B.Tech CSE  
Designation: Management Trainee

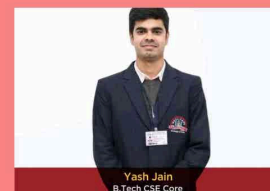
Rohit Sinha  
B.Tech CSE  
Designation: Management Trainee

Milind Pathak  
B.Tech CSE  
Designation: Management Trainee



Siddharth Singh Parihar  
B.Tech Mechanical

Kuljeet Singh Jhass  
B.Tech Mechanical



Yash Jain  
B.Tech CSE Core



Ishika Bhatia  
B.Tech CSE Core



# Students' Laurels

Sumit Singh, a student of MCA, secured a placement at **Devdarshan** for a package of 12 LPA.

Students from the Department of Biotechnology led by Dr. Mukesh K. Patidar, attended the **"International Day of Women in Science"** event held at IIT Indore on February 12, 2024. Arvind Patel, Avani Ojha, Christeena Jubi, Divyanshu Sharma, Piyush Patidar, were victorious in the quiz.

Four students from the Faculty of Pharmacy secured placement at **Ajanta Pharma**.

Eighteen students from the Faculty of Pharmacy got placed at **Mylan**.

Ashwini Sahu and Shivang Shekhar Singh, Faculty of Pharmacy, got placed at **Nestle** for a package of 6.3 LPA.

Toshika Barbey, a student of the Department of Civil Engineering, cleared the **MPPSC (AE)** examination.

In February, 2024, Medi-Caps University's Cricket Team won the match against JRDSU and qualified for the Quarter Finals of **"AIU Cricket Tournament"**.

**MEDI-CAPS UNIVERSITY**  
www.medicaps.ac.in

CONGRATULATIONS ON YOUR PLACEMENT

**Sumit Singh**  
MCA 2024 Batch

Placed in:  
**Devdarshan**  
Designation:  
Full Stack Engineer

Package:  
**12 LPA**

**FACULTY OF PHARMACY PLACEMENTS 2024**

CONGRATULATIONS TO ALL THE STUDENTS FOR BEING PLACED IN

**ajanta pharma**

Lekhpal Parmar  
Quality Control

Rudra Sharma  
Quality Control

Sneha Gupta  
Quality Control

Bhavana Vishwakarma  
Quality Control

**Faculty of Pharmacy PLACEMENTS 2024**

CONGRATULATIONS TO STUDENTS FOR BEING PLACED IN

**Mylan®**

Abhishek Tanwar   Aditya Tripathi   Abhishek Padiyar   Anisha Pal   Devesh Mukut

**Faculty of Pharmacy Placements 2024**

CONGRATULATIONS to the students for Being placed in

**Nestlé** @ 6.3 Lakh

Ashwini Sahu  
Nutrition Officer

Shivang Shekhar Singh  
Nutrition Officer

# Students' Laurels

The students of The Faculty of Agriculture showcased their knowledge in the **Kisan Mela 2024**.

123 students of the batch of 2024 secured offers at the **TCS NQT** hiring event.

Harsh Sharma, a student of the Department of Mechanical Engineering, got selected as a **Deputy Superintendent of Police (DSP)** through MPPSC.

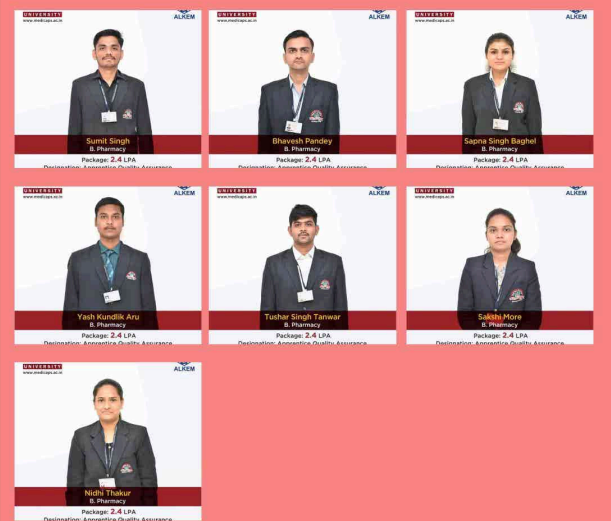
Seven students from the Faculty of Pharmacy got placed at **Alkem**.

Three students from the Faculty of Management secured placement at **Makin Laboratories Pvt. Ltd.**

Two students from the Faculty of Management secured placement at **QE CAD**.

Fifteen students of the batch of 2024 secured placement at **HSBC**.

Ashutosh Khadse and Sourabh Jawale, students from the Department of Computer Science and Engineering started their semester abroad at **Woosong University, South Korea**.



# NSS

On February 5, 2024, students of NSS performed a Nukkad Natak along with the students of MUIEEE ahead of the IC4 '24.

Shruti Singh Sisodiya, student of Btech third year CSE represented Medi-Caps University and DAVV at the NSS National Integration Camp in Belagavi, Karnataka in February 2024.



## A REMARKABLE ACHIEVEMENT

- Represented Medicaps University & DAVV at the NSS National Integration Camp held in Belagavi, Karnataka
- One of the ten volunteers from entire MP to participate in the camp



# Club Flashes

**Bollywood Day 2.0**, organised by the Cultural Club, was a spectacular event that took place in February 2024, showcasing incredible talent from our students.



STIC organised a 5-day long workshop, **the Base Builder Series 4.0**, from February 19th to February 23rd. The workshop was aimed at helping students develop their skills in web and AI.

NSS unit brought the world of technology to life through their **“Nukkad Natak Performance”**. This impactful act sparked important conversation and engaged the audience in exploring the exciting possibilities of the tech world.



Media club organised the first **Media Carnival**. A podcast session was done with our Honourable Vice Chancellor Prof. Dr. Dilip Kumar Patnaik. And Geet Gate Chalo - The Antakshri Mahasangram, music battle was also organised.

# Club Flashes

Sahityik the literary club organised an amazing treasure hunt called **“Hunt this down”** on 6th of March. An **“Open Mic Event”** was organised in the evening of the same day which was enjoyed by both the audience and the performers.



The Math Club conducted a bingo event called **“Number Crunch”** on 6th of March.

Maths Club Organised an **Outreach Program** at KGBV (Kasturba Gandhi Balika Vidhyalaya Bijalpur) to Promote Social Responsibility on January 21, 2024.

GDSC conducted **“Flutter: The Droid Fest”**, a hands-on workshop on android development, on February 22, 2024. The speaker for the session was Mr. Moiz Chauhan.



## Meet Our Speaker!



### Ms. Mansi Jain

- A dynamic software engineer with a passion for innovation and problem-solving.
- Experience at Google and Meta.
- Her passion for open-source and competitive coding sets her apart in tech.

GDSC organised **“Marvel Matrix”**, an online workshop on machine learning, on February 11, 2024. The speaker for the session was Ms. Mansi Jain.

An art exhibition was organised by the Art Club called **“Artistic Odyssey”** on 22nd March, 2024.



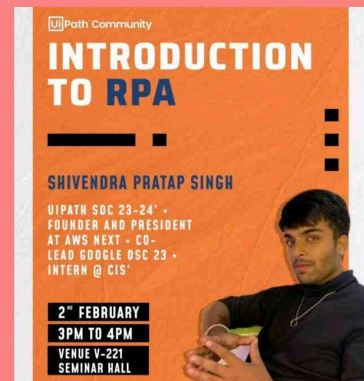
# Club Flashes

Cultural Club organised **"Attire Spectra 2.0"**, a ramp walk competition on February 20, 2024.



AWSC organised an online speaker's session on **"Decoding Open Source"** on February 3, 2024. The speaker for the session was Mr. Devansh Dixit.

AWSC in collaboration with STIC and ACM-W organised a speaker's session on **"Introduction to RPA"** on February 2, 2024. The speaker for the session was Shivendra Pratap Singh, a third year student from the Department of Computer Science and Engineering.



MUIEEE organised a workshop on **"Electronics and Communication"** on February 22, 2024. The speaker for the session was Ms. Varsha Khule, Faculty of Engineering.

# Club Flashes

E-Cell in collaboration with MII Foundation and Medicaps alumni Association

An event named **"Fireside Chat"** was organised by Entrepreneurship-Cell in collaboration with MII Foundation and Medi-Caps Alumni Association. The event was about sharing crucial points, tips and insights of running a business from the CEOs and Founders of Startups. The speakers included Akshat Bharani - Founder 10x Digital, Vivek Singh Parihar - Co Founder RTBAlytica, Himanshu Chaturvedi - Founder & Director Motiongility, Himanshu Goyal - Founder Eship Simplified.



Science Club conducted a visit to **Ralamandal** for its members in the month of March. They together explored the fascinating aspects of nature. And also the astronomy centre which added a cosmic perspective to the adventure.

A workshop on the **"Prompt Engineering"** was organised by MU-IEEE in association with IEEE-WIE on January 15, 2024. The speaker for the session was Mr. Pankaj Malik, Department of Computer Science and Engineering.



Yoga & Spirituality Club organised a session on **"Ancient wisdom of yoga & harnessing it for holistic well being"** which was delivered by Shri b Devdasan.

# Faculty Flashes

Dr. Murali Matcha, Mr. Siddheswar Kar and Mr. Vijeta Killamsett from the Department of Electrical Engineering attended a Faculty Development Programme on **“Advancement in Electrical and Electronics Sciences- Yesterday, Today and Tomorrow”** organised by SVCET, Chittoor, Andhra Pradesh from 26th–30th March 2024.

Dr. Murali Matcha and Mr. Siddheswar Kar, Department of Electrical Engineering, attended an international virtual workshop on **“From Idea to Impact: Navigating Digital Content Creation”** organised by Acumen Foundation and Seva Academy on March 20, 2024.

Dr. Murali Matcha and Mr. Siddheswar Kar, Department of Electrical Engineering, attended an international workshop on **“Jamovi Made Simple”** organised by Acumen Foundation and Seva Academy on March 19, 2024.

Dr. Susheel Pandey, Department of Mechanical Engineering attended a one-day theme meeting on **“Recent Advances in TIG Welding”** held at RRCAT, Indore.

An outreach activity was organised by the Department of Electrical Engineering to a **Government Middle School, Basipipri, Mhow** with program chair Dr. M. Murali and co-ordinators Dr. R.K. Pal and Mr. Sharda Patwa on March 20, 2024.



Ms. Priyanka Patel along with the students of second year from the Department of Computer Science and Engineering participated in the **“Open House Symposium 2.0”** organised by the Department of Computer Science and Engineering, IIT Indore.



Medi-Caps University received a research grant from the Science and Engineering Research board, DST, Govt. of India, Under the Teachers Associateship For Research Excellence (TARE) scheme, Dr. Mukesh Kumar Patidar, Assistant Professor at the Department of Biotechnology, will lead the project titled **‘Plant-based Bioplastic: Development of Biodegradable Plastic utilising Cellulose extracted from Parthenium weed’**, with mentorship from Dr. Apurba K. Das, Professor at IIT Indore’s Department of Chemistry.

The Department of Languages conducted an outreach program on March 13, 2024 at an **NGO NARMADALAYA**, Lepa village, near Mandleshwar District, Khargone where the socialist Ms. Bharati Thakur runs an education and cultural training institute having around 190 children.

# Faculty Flashes

Dr. Prachi Sathe, Dr. Murali Matcha, Ms. Sharda Patwa from the Department of Electrical Engineering attended a Faculty Development Programme on **“Electric Vehicles: A Charging Infrastructure Design”** organised by Anant Gyan Knowledge and Skills Private Limited from 11th-16th March 2024.

Dr. Murali Matcha, Mr. Siddheswar Kar from the Department of Electrical Engineering attended a Faculty Development Programme on **“Aiming towards 3D's (Digitalization, De-carbonization and De-regulation)”** organised by the Department of Electrical Engineering, Mahatma Gandhi Institute of Technology, Hyderabad from 11th-15th March, 2024.

Ms. Shweta Katarne, Department of Languages, attended a Faculty Development Programme on **“Innovative Teaching & Learning Pedagogy”** organised by World Innovators University, Research Foundation of India & RFI CARE from 9th-14th March 2024.

## निमाड़ी बोली में उत्कृष्ट सृजन, मेडीकेप्स विश्वविद्यालय इंदौर से



महेश्वर:- लोकबोलियों के विकास, संरक्षण एवं संवर्धन के लिए महिला प्राध्यापकों के एक दल ने विगत दिनों निमाड़ अंचल में दो दिनी भ्रमण कर निमाड़ी बोली- बानी और रिति-रिवाज, संस्कृति-गीत-संगीत एवं लोक साहित्य पर अंचल के रचनाकारों से चर्चा की। इस दौरान तीनों अतिथि

विदुषियों डॉ. शालिनी मोध, डॉ. अनिषा जैन, प्रो. प्राची साठे ने अखिल भारतीय साहित्य परिषद् के आयोजन में निमाड़ी बोली के समृद्ध परंपरा एवं विपुल मात्रा में हो रहे सृजन पर प्रसन्नता प्रकट की। अभासाप के महेश्वर इकाई अध्यक्ष हरीश दुबे ने संचालन किया।

Dr. Anisha Jain and Dr. Shalini Modh, Department of Languages, visited Khargone and the surrounding villages of Nimad Region from 12th-13th March, for surveys and data collection for the Approved Seed Money Research Project **“Synchronic and Diachronic Analysis of the Regional Language of Nimad Region”**.

Mr. Sourabh Billore, Faculty of Pharmacy, presented a poster titled **“Plant antigen nasal vaccine of Parthenium hysterophorus for antibody generation against pollen allergy”** in an International Conference organised by Integral University, Lucknow from March 9th-10th 2024.



Mr. Siddheswar Kar, Department of Electrical Engineering attended a Symposium on **“International Women's Day”** organised by Institute of Technology and Science, Gaziabad on March 8, 2024.

Dr. Preeti Jain from the Department of Chemistry was certified for participating in the **“Indian Chemistry Knowledge System and Project Writing”** as the main speaker on March 1, 2024 which was organised by the Atal Bihari Vajpayee University, Bhopal.



# Faculty Flashes

Faculties and Students of the Department of Management and Commerce, attended the Indore Management Association Conclave-2024 on the theme **“Unlocking Global Potential- Shaping the Future of Bharat”** held on 1st-2nd March 2024 at Brilliant Convention Center.

Dr. Sanjiv Kumar Jain, Department for Electrical Engineering, received recognition for his article review on **“Berthing Trajectory Tracking of Underactuated Surface Vehicle Based on NMPC and Position Estimation”** in the IEEE Access in March, 2024.

Ms. Jonsi Bajaj, Faculty of Pharmacy, attended an International Faculty Workshop on **“Innovative Teaching Methods for the 21st Century”** organised by FDP division, ACT Academy, Kerala in March 2024.

Dr. Ranubala Marothiya attended a Faculty Development Programme on **“Leadership Odyssey: Navigating the Future in BANI World”** organised by Gokul Global University (GGU) Siddhapur Gujarat, Career Development Cell from 28th February- 5th March 2024.

Mr. Siddheswar Kar, Department of Electrical Engineering, attended a 21-day Masterclass on **“C++ Programming”** organised by Pantech e Pvt. Ltd. from 26th February- 17th March 2024.

Ms. Himani Hirvey, Ms. Jonsi Bajaj and Ms. Kanchan Chouksey, Faculty of Pharmacy, presented papers as an oral presentation in the **“National Conference”** organised by SIRTSR, Bhopal from 27th-28th February 2024.

Dr. Shailendra Chouhan, Faculty of Pharmacy, participated in an online 3-day faculty development programme on **“Citation and reference management for scholarly writing”** organised by IQAC, NSB, Bangalore from 26th-28th February 2024.

Ms. Deepali Biniwale, Department of Mathematics, attended a Faculty Development Programme at Sagar Institute of Research and Technology – Excellence, Bhopal from 19th-23rd February 2024.

Mr. Siddheswar Kar, Department of Electrical Engineering, attended a Faculty Development Programme on **“Emerging Tools and Techniques in Cloud Computing and Data Science”** organised by Narsimha Reddy Engineering College, Hyderabad and Computer Society of India, Hyderabad Chapter from 19th-24th February 2024.

Rohini Kale, Department of Civil Engineering, spoke at the Global International Conference on **“Decarbonisation of Energy and Materials”** at Nanyang Technological University, Singapore.



# Faculty Flashes

Mr. Pankaj Bhopte, Faculty of Engineering, created a 3D design of the Ram Mandir, successfully capturing every little detail.

Dr. Murali Matcha and Mr. Vijeta Killamsetti, Department of Electrical Engineering attended a webinar on **“Optic System for Optimal Communication and Amplifier Design Simulation Techniques”** organised by IETE-Sf of K.C College of Engineering and Management Studies Research, Thane on February 23, 2024.

Mr. Khaliq Ahmed, Department of Electrical Engineering attended an online workshop on **“How to write a Quality Research Paper”** organised by UIT RGPV, Bhopal on February 19, 2024.

Dr. Rekha Jain, Dr. Pranjali Keke and Ms. Anjali Saraf, Department of Mathematics, attended a three-day workshop on **“Bhartiya Ganit Shastra : Processes and its Applications in Modern Mathematics”** organised by Department of Applied Mathematics and Computational Science in Collaboration with JKMS Foundation, Ahmedabad from 9th-11th February 2024.

Dr. M. Murali, Department of Electrical Engineering received recognition for being a Book Reviewer in **B.P. International** on February 8, 2024.

Mr. Nishant Dwivedi and Mr. Pavan Mehta, Department of Electrical Engineering, attended a short term training course on **“Advanced Control and Machine Learning Approaches for Smart Distribution Systems”** organised by National Institute of Technology, Meghalaya from 3rd-7th February 2024.

Dr. Malyaj Das, HOD of Physics, received a certificate of reviewing in February, 2024 for serving as a reviewer of the contributing papers submitted to the **2nd International Conference on “Multidisciplinary Research and Innovative Developments (ICMRID-2024)”**.



The Department of Civil Engineering organised a six-day ATAL FDP on **“Geo-Environmental Engineering & Sustainable Infrastructure Development”** sponsored by AICTE in February, 2024.



# Faculty Flashes

Dr. Shailendra Chouhan, Faculty of Pharmacy, completed a course on **“Python for data science, AI and development”** from Coursera in February 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his article review on **“Building a Rule-Based Expert System to Enhance the Hard Disk Drive Manufacturing Processes”** in the IEEE Access in February, 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his article review on **“Fatigue Driving Detection Methods Based on Drivers Wearing Sunglasses”** in the IEEE Access in February, 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his article review on **“Partial Least Squares Regression Trees for Multivariate Response Data with Multi collinear Predictors”** in the IEEE Access in February, 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his article review on **“Heterogeneous Graph Neural Network for Diagnosis and Prognosis of Epileptic Seizures Using EEG Signals”** in the IEEE Access in February, 2024.

Dr. Shailendra Chouhan, Faculty of Pharmacy, attended a faculty development programme on **“Entrepreneurship Essentials”** organised at Chitkara University from 22nd January–6th February, 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, was recognized for the title **“Optimising the Transaction Latency in the Blockchain-Integrated Energy-trading Platform in the Standalone Renewable Distributed Generation Arena”** organised by IEEE Access in January 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his research paper titled **“Combined Observer and Lyapunov-based Control For Switching Power Converters With LC Input Filter”** in IEEE Access in January 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his research paper titled **“AI-driven Intraday Trading: Applying Machine Learning and Market Activity for Enhanced Decision Support in Financial Markets”** in the IEEE Access in January 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, received recognition for his article review on **“Multimodal Renewable Energy Hybrid Supply Optimization Model Based on Heterogeneous Cloud Wireless Access”** in the IEEE Access in February, 2024.

The Faculty of Management hosted a six-day ATAL Faculty Development Programme on **“Business Analytics”** sponsored by AICTE from 19th–24th February 2024.

# Faculty Flashes



Apurv Dixit, Christeena Jubi and Vibha Yadav, students of Department of Biotechnology under the supervision of Dr. Mythily S. presented an abstract entitled **“Abrin, a boon in disguise: A cytotoxin in potent therapeutics”** in an multidisciplinary congress **“SANMANTRANA-2024”**.

Mr. Killamsettiy Vijeta, Department of Electrical Engineering attended a Faculty Development Programme on **“AI Driven Advancements in Modern Wireless Communication”** organised by the SRM Institute of Science and Technology, Vadapalani, Chennai, from 23rd-24th January 2024.

Mr. Nishant Dwivedi and Mr. Pavan Mehta, Department of Electrical Engineering attended a Faculty Development Programme on **“Recent Trends in Artificial Intelligence”** organised by the Bhupal Noble’s University, Udaipur and Pantech e learning Pvt. Ltd. from 22nd-27th January 2024 .

Dr. Ranubala Marothiya, Department of Languages, attended a Faculty Development Programme on **“E-Learning Content Development”** organised by SKIT, Management and Gramothan, Jaipur, Department of English in collaboration with Department of Management from 21st-25th January 2024.

Mr. Siddheshwar Kar, Department of Electrical Engineering attended a Faculty Development Programme on **“Virtual Lab in Computer Science and Engineering – (VCSE 24)”** organised by the Narsimha Reddy Engineering College, Secunderabad in collaboration with Amrita Vishwa Vidyapeetham, Kollam on January 20, 2024.

The Department of Management and Commerce organised an AICTE sponsored Atal FDP on **“Econometric Tools and Techniques”** from 8th-13th January 2024. The speakers for the same were Dr. Narain Chandra, Dr. Rekha Acharya, Dr. Bhanu Pratap Singh, Dr. Mohhd Nayyer Rahman and Dr. Bidhubhusan Mishra.





# Faculty Flashes

Dr. Ranubala Marothiya, Department of Languages, attended a Faculty Development Programme on **“Use of Artificial Intelligence in Education 4.0”** organised by Gokul Global University (GGU) Siddhapur Career Development Cell from 8th-14th January 2024.

**“The Aagaz 2024: Signature Leadership Development Program”** was organised by Medi-Caps University at MPT Hinglaj Resort from 5th-7th January 2024. The keynote speaker was Mr. Rakesh Jain, an expert in outbound methodologies.



Ms. Jyotsana Goyal, Department of Computer Science and Engineering, attended a 7-day National Faculty Development Programme on **“Python”**.

Ms. Jyotsana Goyal, Department of Computer Science and Engineering attended a 7-day International Faculty Development Programme on **“Latest Trends and Techniques in Software Engineering”**.

Mr. Shantilal Bhayal, Department of Computer Science and Engineering, attended a Faculty Development Programme on **“Cognitive Computing for Smart Applications, Receives Faculty Recognition”**.

The **MPCST** project, conducted by the Department of Chemistry, successfully tested the **“Corrosion inhibition efficiency of expired drugs on metals in aggressive mediums** from 2022 to 2023. The project, which received a grant of Rs. 240,000, has now been completed.

Dr. Murali Matcha and Mr. Siddheshwar Kar, Department of Electrical Engineering attended a Masterclass Faculty Development Program on **“Internet of Things”** organised by Pantech e Learning Pvt. Ltd, from December 25, 2023-January 24, 2024.

Dr. Sanjiv Kumar Jain received recognition in IEEE Access for his paper titled **“Optimising the Transaction Latency in the Block chain-Integrated Energy-trading Platform in the Standalone Renewable Distributed Generation Arena”** in January, 2024.

Ms. Tithi Rupa Tapaswani, Department of Computer Science and Engineering, attended a workshop on **“AI-Augmented Scientific Writing and Publishing Skills”**.

Dr. Rekha Jain, Department of Mathematics, attended the 25th Annual Conference of Vijnana Parishad of India and National Conference on **“New Thrust Areas in Mathematical Sciences”**.

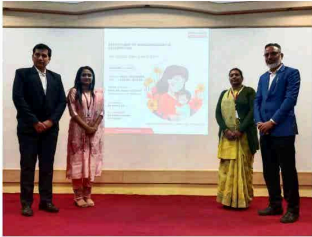
# Faculty Flashes

Dr. Shailaja Gupta, Department of Chemistry was awarded PhD for her research on **“Green Synthesis of TiO<sub>2</sub> Nanoparticles, Characterization and Their Application in Agriculture to Enhance the Soil Quality”**.

Dr. Preeti Burvey, Department of Chemistry, was awarded PhD for her research on **“Designing Of Stimuli Responsive Metal Oxide Impregnated Casein Nano Nutrients and Evaluation of their Release Potential for Enhancing Soil Fertility”**.

Faculty members of Medi-Caps University went on a trip to Udaipur, Rajasthan for **Sameeksha 2024**.

## National Girl Child Day



## IIT Visit



# Research Papers Published

Dr. Shailendra Chouhan and Dr. Hemant Khambete, Faculty of Pharmacy, published a paper titled **“Effect of surfactant chain length difference in mixed surfactant systems on self emulsification of poorly soluble drug”** in SCOPUS indexed Journal of Advanced Zoology in January 2024.

Dr. Mousumi Kar Pillai and Dr. Sanjay Jain, Faculty of Pharmacy, published a paper titled **“Innovative approach for improved sustained delivery of Metformin hydrochloride for its anti-hyperglycemic activity”** in SCOPUS indexed Journal of Applied Pharmaceutical Research in January 2024.

Ms. Nisha Mandloi and Ms. Aakansha Meval, Faculty of Pharmacy, published a paper titled **“Machine Learning for Biological Data Analysis”** in the Web of Science indexed Journal of Hospital Pharmacy in January 2024.

Ms. Ritu Sapra, Ms. Khushboo Arora, Dr. Hemant Khambete and Dr. Sanjay Jain, Faculty of Pharmacy, published a paper titled **“Different strategies of asymmetric synthesis”** in SCOPUS indexed Journal of Advanced Zoology in January 2024.

Ms. Nisha Mandloi and Ms. Aakansha Meval, Faculty of Pharmacy, published a paper titled **“Formulation and development of Transdermal patch of Amlodipine besylate using novel polymers as rate controlling membrane”** in SCOPUS indexed Journal of Advanced Zoology in January 2024.

Ms. Ritu Sapra, Faculty of Pharmacy, published a paper titled **“Nano-herbal innovations: Precision in therapeutic delivery”** in SCOPUS indexed Journal of Advanced Zoology in January 2024.

Ms. Ritu Sapra, Faculty of Pharmacy, published a paper titled **“Revolutionizing drug delivery: The role of nanofibers - A review”** in SCOPUS indexed Journal of Advanced Zoology in January 2024.

Dr. Pramod S. Nair, Dean of Engineering and Ms. Vidhya Barpha, Department of Information Technology published a research paper titled **“A Smart Model to detect Hindi Fake News For Social Media Platforms Using Hybrid Deep Learning”** in January, 2024 in the International Journal of Intelligent System and Applications in Engineering.



Ms. Rupali Sontakke, Faculty of Pharmacy, published a paper titled **“Formulation development and characterization of Leonotis nepetaefolia extract niosomal gel for anti-inflammatory activity”** in SCOPUS indexed International Journal of Drug Discovery and Technology in December 2023.

# Research Papers Published

Ms. Shubhrata Kanungo, Department of Computer Science and Engineering published a research article titled **“Hybrid Deep Neural Network G-LSTM For Sentiment Analysis On Twitter: A Novel Approach To Disaster Management”** in Scopus Publications in a journal called Ingenierie Des Systemes D'information.

Mr. Rakesh Pandit, Ms. Pinky Rane and Mr. Ashish K. Kumawat, Department of Computer Science and Engineering, published a research article titled **“A Review Of EEG Artefact Removal Methods For Brain-Computer Interface Applications”** in a Scopus Journal called Ingenierie Des Systemes D'information.



A research paper by Ms. Preeti Singh, Department of Electrical Engineering titled **“Optimization, Control, Energy Flow Modeling and Application of MATLAB for Electric Vehicle Charging”** was published in the 2nd IEEE International Conference on Computer, Communication and Control (IC4 '24).

Ms. Priyanka Patel, Dr. Ruby Bhatt, Mr. Manish Joshi, Mr. Govinda Patel, Dr. Hemant Pal and Dr. Abdul R.K. Quershi published a research article titled **“Blockchain-enabled Decentralised Edge Computing In Cyber Security For Intrusion Detection”** in a Scopus Journal called International Journal of Intelligent Systems and Applications in Engineering.



A research paper by Dr. Murali Matcha, Department of Electrical Engineering, titled **“Enhancing Electric Vehicle Charging Efficiency Using a Modified Zeta-KY Converter Inspired by Ant Lion Optimization”** was published in the 2nd IEEE International Conference on Computer, Communication and Control (IC4 '24).

A research paper by Dr. Murali Matcha, Department of Electrical Engineering, titled **“Enhancing Electric Vehicle Charging Efficiency Using a Modified Zeta-KY Converter Inspired by Ant Lion Optimization”** was published in the International Conference on Energy, Materials and Communication Engineering (ICEMCE).

# Research Papers Published

A research paper by Dr. Murali Matcha, Department of Electrical Engineering, titled **“Artificial Neural Network Based Power Quality Improvement for Grid Connected Wind Power System Using PMSG and SEPIC Converter”** was published in the International Conference on Energy, Materials and Communication Engineering (ICEMCE).

A research paper by Mr. Khaliq Ahmed, Department of Electrical Engineering, titled **“Optimal Planning of Distributed Generation System for EV charging Stations using Hybrid CPSO-ACA Optimization”** was published in the 2nd IEEE International Conference on Computer, Communication and Control (IC4 ‘24).

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering published a research article titled **“A Systematic Review On Deep Learning-Based Automated Cancer Diagnosis Model”** in an SCI Publication called Journal of Cellular and Molecular Medicine.

Dr. Kailash C Bandhu, Dr. Ratnesh Litoriya and Ms. Swati Vaidhya, the Department of Computer Science and Engineering published a research paper on **“An Improved Technique For Stock Price Prediction On Real-Time Exploiting Stream Processing And Deep Learning”** in an SCI Journal called International Journal of Multimedia Tools and Applications.

**MEDI-CAPS UNIVERSITY**

CONGRATULATIONS FOR PUBLISHING  
A RESEARCH ARTICLE IN **SCI PUBLICATION**

JOURNAL  
INTERNATIONAL JOURNAL OF MULTIMEDIA TOOLS  
AND APPLICATIONS

TITLE  
AN IMPROVED TECHNIQUE FOR STOCK PRICE PREDICTION ON REAL-  
TIME EXPLOITING STREAM PROCESSING AND DEEP LEARNING

**DR. KAILASH C. BANDHU**  
PROFESSOR  
COMPUTER SCIENCE & ENGINEERING  
MEDI-CAPS UNIVERSITY INDORE

**DR. RATNESH LITORIYA**  
PROFESSOR & HEAD  
COMPUTER SCIENCE & ENGINEERING  
MEDI-CAPS UNIVERSITY INDORE

**MS. SWATI VAIDYA**  
ASSISTANT PROFESSOR  
COMPUTER SCIENCE & ENGINEERING  
MEDI-CAPS UNIVERSITY INDORE

Anshita Jain and Anand Vardhan Shukla students of  
B.Tech. are also Co-author for this publicatio.

FOR ADMISSIONS PLEASE CALL: 07723019450

[www.medicaps.ac.in](http://www.medicaps.ac.in)

Dr. Kailash C Bandhu, Dr. Ratnesh Litoriya and Ms. Swati Vaidhya of the Department of Computer Science and Engineering published a research article in SCI Publication in the journal called International Journal Of Multimedia Tools And Applications, titled **“An Improved Technique For Stock Price Prediction On Real-Time Exploiting Stream Processing And Deep Learning.”**

Ms. Jyotsana Goyal, Department of Computer Science and Engineering, published a research paper titled **“Comprehensive Review on Orange Disease Detection Method”**.

**MEDI-CAPS UNIVERSITY**

CONGRATULATIONS FOR PUBLISHING  
A RESEARCH ARTICLE IN **SCI PUBLICATION**

JOURNAL:  
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE

TITLE:  
A SYSTEMATIC REVIEW ON DEEP LEARNING-BASED AUTOMATED  
CANCER DIAGNOSIS MODELS

**DR. SANJEEV KUMAR JAIN**  
ASSISTANT PROFESSOR  
ELECTRICAL ENGINEERING  
MEDI-CAPS UNIVERSITY INDORE

FOR ADMISSIONS PLEASE CALL: 07723019450

[www.medicaps.ac.in](http://www.medicaps.ac.in)

# Research Papers Published

Dr. Rekha Jain, Department of Mathematics, published a research paper titled **“Chemically Radiative and Magnetised Casson Nanofluid Due to Arrhenius Kinetics with Heat Source / Sink”** in a Scopus Journal called International Journal of Modelling And Simulation.

Dr. Pranjali Kekre, Department of Mathematics, published a research article on **“Iterative Formulae of Line Graph”** in the Indian Journal of Natural Sciences” in February, 2024.

Dr. Rinku Verma, Dr. Megha Shrivastava and Ms. Deepali Biniwale, Department of Mathematics, published a research article on the topic **“Cryptographic Method Applied on Tri Ratio Rational Using Laplace Theorem”**.

Dr. Shailaja Gupta and Dr. Preeti Jain, Department of Chemistry, published a research paper on **“Green Synthesis of TiO<sub>2</sub> Nanoparticles and Its Impact on Enhancing Soil Parameters Through Nano-Priming of Tomato Seeds (Solanum lycopersicum L)”**.

Dr. Manish Korde, Dr. Vinit Gupta, Dr. Aditya Mandloi, Dr. Sachin Puntambekar and Mr. Devendra Singh Bais, Department of Electronics Engineering published a research article titled **“Deep Learning Based Effective Watermarking Technique For IOT Systems Signal Authentication”** in Scopus Publication Journal IJEER.

Dr. Pramod S. Nair, Dean of Engineering and Ms. Trapti Mishra, Department of Information Technology published a research article titled **“Advancing Agriculture Predictive Models For Farming Suitability Using Machine Learning”** in Scopus Journal called International Journal of Intelligent Systems and Applications in Engineering.

Dr. Shailaja Gupta and Dr. Preeti Jain, Department of Chemistry, published a research paper on **“Eco-Friendly Synthesis of TiO<sub>2</sub> Nanoparticles from Moringa Oleifera Leaves: Characterization and Impact on Spinach Seeds”**.

Dr. Preeti Burvey and Dr. Preeti Jain, Department of Chemistry, published a research paper on **“Designing Copper Oxide-Loaded Casein Nanoparticles and Assessing Their Release Potential”**.

Dr. Preeti Burvey, Dr. Preeti Jain and Dr. Anamika Singh published a research paper on **“Strategic Role of Casein Coated Iron Oxide Nano-Particles for Delivering Nano Nutrients for Enhanced Soil Quality and Their Potential”** in Elsevier Ltd.

Dr. Preeti Burvey, Dr. Preeti Jain, and Ms. Anamika Singh from the Department of Chemistry, published a research paper on **“Utilising Casein-Coated Iron Oxide Nanoparticles to Deliver Nano Nutrients for Soil Enhancement”**.

# Research Papers Published

Dr. Anisha Jain, Dr. Shalini Modh and Dr. Prachi Sathe, Department of Languages, published a research article in UGC Care , Journal- NCC Review, on the topic **“Exploring Existential Issues of Feminine Sensibility in Kyung-Sook Shin’s Please look after Mother”**.



Mr. Awdhesh Singh Bhadoriya published a research article on the topic **“Depiction of Values of Nelson Mandela through his speeches: An Analysis of the importance of Nelson Mandela’s Speeches”** in Scopus Publication, Journal – African Renaissance.



Dr. M. Murali, Mr. Siddheswar Kar and Mr. Nishant Dwivedi, Department of Electrical Engineering published a research article on **“Grid Integrated Hybrid PV/Wind/FC system using BAT algorithm-based PI controlled LUO converter”** in the International Journal of Electrical and Electronics Engineering, Seventh Sense Research Group.

Dr. M. Murali, HOD, Department of Electrical Engineering, reviewed three journal papers for **“Journal of Energy Research and Reviews”**.

Mr. Anurag Singh Yadav and Mr. Ajay Kumar Maurya, Department of Electrical Engineering, published a research article on **“Performance investigation of physically relocation arrangement with different associations of bypass diode during shadings”** in the International Journal for Light and Electron Optics –Elsevier.



Dr. Sanjiv Kumar Jain published a research article on **“Robust Control of Frequency considering operations of AC microgrids in island mode”** in the International Journal of Engineering Systems Modelling and Simulation

# Research Papers Published

Dr. Mahesh Dhonde, Department of Physics, published a research article titled **“Titanium Nitride (TiN) As A Promising Alternative To Plasmonic Metals: A Comprehensive Review of Synthesis And Applications”** in an SCI Publication named Materials Advances.



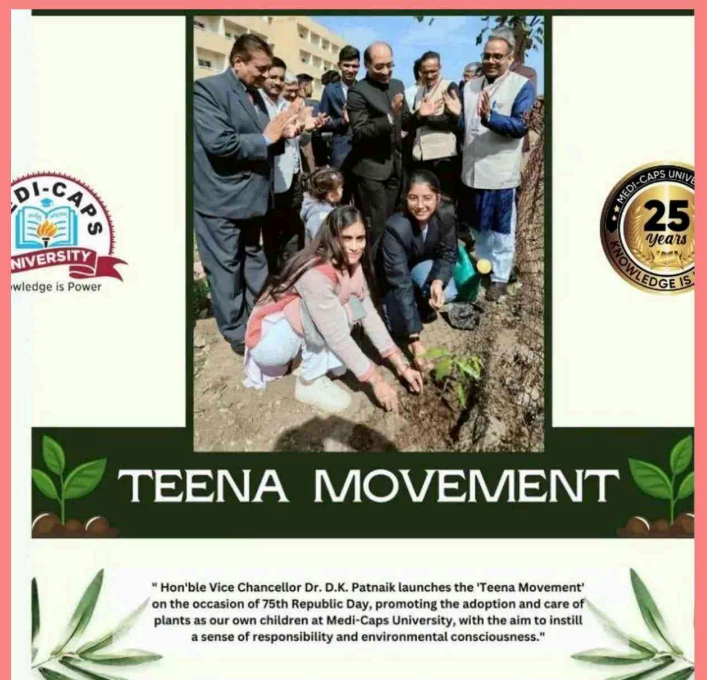
A Scopus Indexed Chapter titled **“PSO-Based Nature-Inspired Mechanisms for Robots during Smart Decision-Making for Industry 4.0”** by Dr. Sanjiv Kumar Jain, Department of Electrical Engineering, was published in ‘Robotics and Automation in Industry 4.0’, CRC Book.

A Scopus Indexed Chapter titled **“Investigation Into the Use of IoT Technology and Machine Learning for the Identification of Crop Diseases”** by Dr. Sanjiv Kumar Jain, the Department of Electrical Engineering, was published in ‘The Ethical Frontier of AI and Data Analysis’, IGI Global Book..

A Scopus Indexed Chapter titled **“Ethical Considerations in Emotion Data Collection and IoT Integration”** by Dr. Sanjiv Kumar Jain from the Department of Electrical Engineering was published in ‘Using Machine Learning to Detect Emotions and Predict Human Psychology’, IGI Global Book.

## TEENA MOVEMENT

On the occasion of the 75th Republic Day, The Honourable Vice-chancellor Dr. Dilip Kumar Patnaik launched the **“TEENA MOVEMENT”**, which promotes the adoption and care of plants under the Faculty of Agriculture.





# Patents Published

Dr. Jyoti Pandey, Faculty of Pharmacy, published an Indian patent on **“Artificial Intelligence based designing and synthesis of novel molecules of Rhodandine as EGFR targeting for Breast Cancer”** in February, 2024.

Dr. Sanjiv Kumar Jain, Department of Electrical Engineering was awarded a patent on **“System and Method for Performance Analysis of Artificial Intelligence Techniques in Management”** on January 12, 2024.

Dr. Rupali Sontakke and Ms. Diksha Joshi, Faculty of Pharmacy, were granted an Indian Design Patent on **“Advanced modified planetary ball mill”** in December, 2023.

Ms. Meena Sharma, Ms. Megha Mahajan, Ms. Sakshi Velukar, Dr. Ratnesh Litoriya and Dr. Kailash C. Bandhu, Department of Computer Science and Engineering, published a patent titled, **“IoT and Cloud Based Intelligent Visitor Counter With Electricity Controller and Fire Detection System for Building Safety”**.

Dr. Ratnesh Litoria and Mr. Arpit Deo, Department of Computer Science and Engineering secured a patent for **“E-Commerce Recommendation System Using Deep Learning”**.

Mr. Kailash Kumar Baraskar and Dr. Pinky Rane, Department of Computer Science and Engineering were granted a UK Design Patent on **“AI Based Drone for Crop Health Monitoring”**.

Mr. Ram Bansal, Mr. KG. Thirugnanasambantham and Ms. Swati Mishra, Department of Mechanical Engineering, were granted a UK Design patent on **“Surveillance Aviator Snake Robot”**.



Dr. Preeti Jain, Dr. Shailaja Gupta, Dr. Preeti Burvey, Dr. Jetendra Bhawsar and Dr. K.R. Kanude from the Department of Chemistry, published a patent on **“Moringa Leaf-derived TiO<sub>2</sub> Nanoparticles Boost Marigold Flower Seed Germination”**.

Dr. Preeti Jain, Dr. Shailaja Gupta, Dr. Preeti Burvey, Dr. Jetendra Bhawsar and Dr. K. R. Kanude from the Department of Chemistry published a patent on **“Eco-Friendly TiO<sub>2</sub> Nanoparticles Enhance Seed Germination of Chilli Plants”**.

# Patents Published

Faculty members from the Department of Chemistry published a patent on **“TiO2 Nanoparticles Show Promise in Extending Shelf Life of Fruits in Post-Harvest Practices”**.

Mr. KG. Thirugnanasambantham, Dr. Swati Mishra, Mr. Rituraj Raghuvanshi, Mr. Nakul Bansod and Mr. Parag Chaporkar from the Department of Mechanical Engineering and Dr. Pallavi Pandit, Department of Physics were granted a UK Design Patent titled **“Quadnake Robot”**.



Dr. Anisha Jain, Dr. Prachi Sathe and Dr. Ranubala Marothiya, were awarded a patent on **“POGOH PACKS: An acronym to the Streams of Non-Verbal Communication Skills”**.

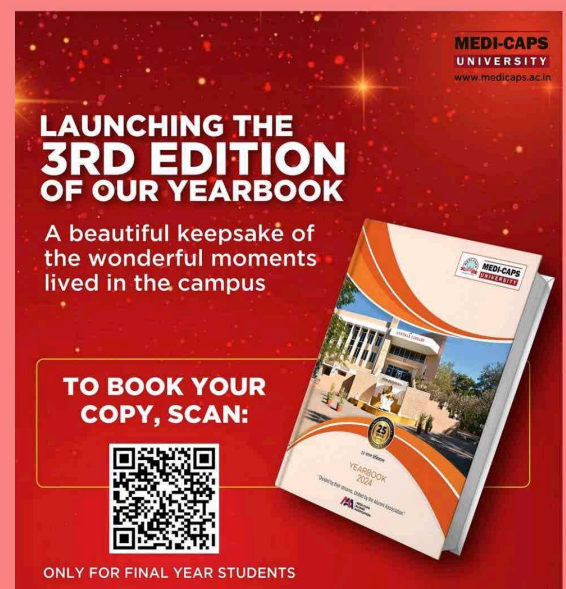


Dr. Mukesh Porwal, Dr. Parul Sharda, Dr. Bindiya Tater and Ms. Priyanka Gupta from the Department of Management and Dr. Haldhar Sharma, HOD of Commerce published a patent titled **“Device for Digital Marketing”**.



Dr. Sanjiv Kumar Jain, Department of Electrical Engineering was awarded an Indian Patent titled, **“System and methods for performance analysis of artificial intelligence techniques in management”**.

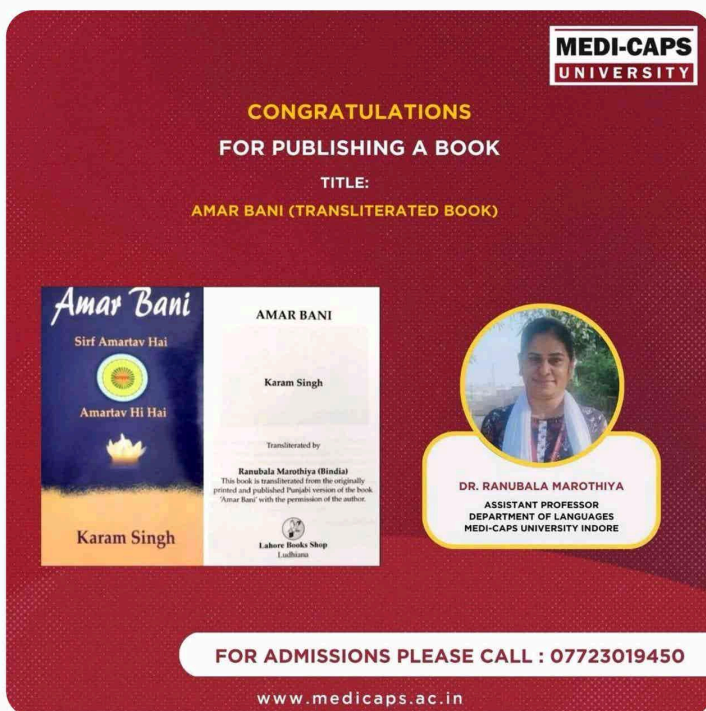
Medi-Caps University launched its **Yearbook's** third edition in March 2024.



# Books Published

The Book **“Corporate Accounting (2nd Year) Version 2nd, 2024”** Was Published By Dr. Jitendra Talreja, Dr. Mahendra Kumar Jain, Dr. Manish Jain, Dr. Rakesh Dhand From The Department Of Commerce.

The Book **“ Fundamental Theory Of Accounting (1st Year) Version 3rd, 2022”** Was Published By Dr . Rakesh Dhand, Dr. Paritosh Awasthi, Dr. Sanjay Tiwari, Dr. Sanjay Pandey And Dr. Jitendra Talreja From The Department Of Commerce.



Dr. Ranubala Marothiya, Department Of Languages, Published A Transliterated Version Of The Book **“Amar Bani”** Which Was Originally Printed And Published In Punjabi.

The Book **“ Business Mathematics (1st Year) Version 2nd, 2022”** Was Published By Mr. Suhash Dhande, Mr. Vishal Mehta, Mr. Sanjay Prasad And Mr. Jitendra Talreja From The Department Of Commerce .

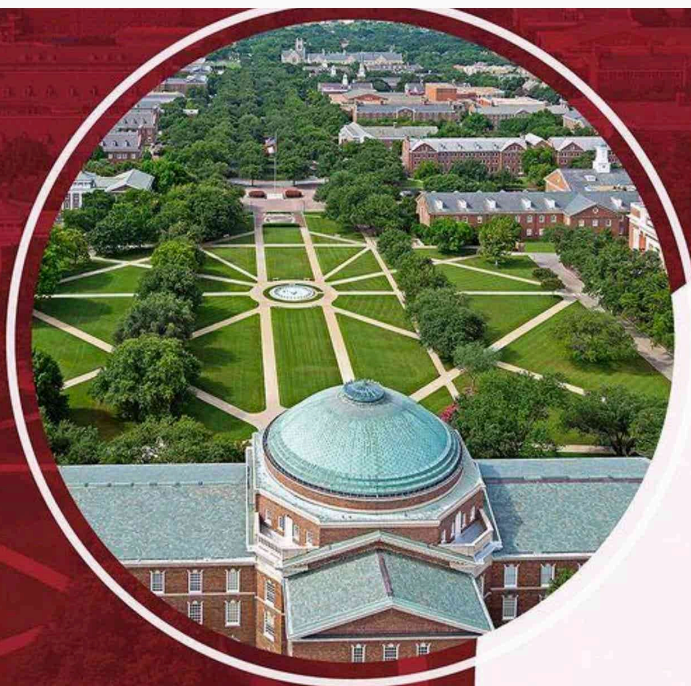
Dr. Sanjiv Kumar Jain, Department Of Electrical Engineering, Published Two Books For ICSE Board Titled **“Robotics And Artificial Intelligence”** For Ninth And Tenth Standard Respectively Under Kips Learning Private Limited.

# Memorandum of Understanding

Medi-Caps University signed an MoU with Southern Methodist University, USA to pave the way for student exchanges and a dual-degree program.

Medi-Caps University signed an MoU with Staffordshire University, UK to pave the way for student exchanges and innovative learning.

Medi-Caps University signed an MoU with INTI International University, Malaysia on the first day of IC4 '24, February 8, 2024.



**MoU with**



**Southern Methodist  
University, USA**

# Alumni Flashes

Medicaps University Celebrated Its Legacy Of Excellence With The **IIFTR 2000 Alumni Meet**. Notable Attendees Included Mr. Ashish Gangwar, Founder Of Meptro INC, Gurugram, Mr. Mithilesh Tiwari, Director At SAR Group, USA And Ms. Swati Tiwari Puranik, General Manager, International Marketing And Procurement Of Global Resources DOO, Indore.

Ms. Priyal Yadav Who Secured 35th Rank In The **MPPSC** Test In 2020, Got Appointed As Deputy Superintendent Of Police (W) And Assistant Commissioner Cooperative, She Had Also Been Named Deputy Registrar Based On The Most Recent **MPPSC 2019** Results.


The Faculty Of Pharmacy Organised An Expert Lecture On January 30, 2024 On **"Bridging Industry Academia Gap"**. The Speaker For The Session Was Mr. Anurag Singh Thakur.

Medi-Caps Alumni Association Organised Its **Hyderabad City Chapter** On January 28, 2024 Bringing Together 35 Graduates Of Medi-Caps University.



**MEDI-CAPS UNIVERSITY**  
www.medicaps.ac.in

**ALUMNI SPOTLIGHT**



**MS PRIYAL YADAV**  
B.E. 2013-2017  
Medi-Caps Institute of Technology and Management

Deputy Registrar, MPPSC 2019  
Dy. Superintendent of Police (W) &  
Assistant Commissioner Cooperative, MPPSC 2020

**MU** Institute of Technology and Management  
**AA** MEDI-CAPS ALUMNI ASSOCIATION

25th Anniversary



**MEDI-CAPS UNIVERSITY**  
www.medicaps.ac.in

**Alumni Achievement**



**Ms. Dipti Sharma**  
MU-Alumnus 2007

VP Quality Assurance,  
BlackRock

**BLACKROCK**

**AA** MEDI-CAPS ALUMNI ASSOCIATION

25th Anniversary



**MEDI-CAPS UNIVERSITY**  
www.medicaps.ac.in

**Principal Investigator:**  
**Dr. Mukesh Kumar Patidar**, Assistant Professor, Department of Biotechnology, Medi-Caps University, Indore.

**Mentor of the Project:**  
**Dr. Apurba K. Das**, Professor, Department of Chemistry, IIT Indore.

# Expert Talk

An Expert Lecture on **"Biologically Derived Evidence"** where the speaker was Dr. Shadma Siddiqui, Professor and Dean, Faculty of Paramedical Sciences, SAM Global University, Bhopal along with a poster making competition, was organised by the Department of Forensic Science in March, 2024.



The Department of Mathematics organised an expert talk on **"Applications of Partial Differential Equations"** on March 15, 2024. The speaker for the session was Dr. Santanu Manna Senior Assistant Professor IIT, Indore.

The Department of Electronics Engineering organised an expert series on **"Next Generation Electronics: A Deep Dive into AI and ML Applications"** from 13th March-4th April 2024. The speakers for the sessions were Dr. Rohit Ahuja, Dr. Sachin Taran, Dr. Mitul Kumar Ahirwal and Dr. Nidhi Gupta.

**DEPARTMENT OF ELECTRONICS ENGINEERING IS ORGANIZING**  
EXPERT LECTURE SERIES ON  
**"NEXT-GEN ELECTRONICS: A DEEP DIVE INTO AI AND ML APPLICATIONS"**

**DISTINGUISHED SPEAKER**

**MARCH 7- APRIL 4 | 2024**

VENUE : ROOM NO. 005, Q-BLOCK  
TIME : 03:00 PM TO 04:00 PM

**PROGRAM CHAIR:**  
**PROF. (DR) PRAMOD S. NAIR**  
DEAN - ENGINEERING  
**PROF. (DR.) AJAY KULKARNI**  
HOD- ELECTRONICS ENGINEERING

**CONVENER:**  
**DR. JUNED AHMED SIDDIQUI**  
8.519807970

(Scan for registration)



**DR. ROHIT AHUJA**  
ASSISTANT PROFESSOR  
THAKAR INSTITUTE, PAKHALA  
MARCH 07, 2024



**DR. SACHIN TARAN**  
ASSISTANT PROFESSOR  
DTU, DELHI  
MARCH 18, 2024



**DR. MITUL KUMAR AHIRWAL**  
ASSISTANT PROFESSOR  
PAJATI, BHOPAL  
APRIL 03, 2024



**DR. NIDHI GUPTA**  
ASSISTANT PROFESSOR  
NET KURUKSHETRA  
APRIL 21, 2024

The Office of International Affairs organised an Expert Lecture on **"Awareness about Study Abroad"** on February 23, 2024. The speaker for the session was Mr. Prashant Hemnani, Director, The Globalizers.



**MoU with**  
**SMU**  
**Southern Methodist University, USA**

[www.medicaps.ac.in](http://www.medicaps.ac.in)

# Expert Talk

The Department of Mechanical Engineering organised an expert lecture on **"Electric Vehicles"** on February 16, 2024. The speaker for the session was Mr. Sanjay Yadav, Zonal Head Service, West & Central India, Suzuki Motorcycle India.



The Faculty of Agriculture organised an expert lecture on **Vermicomposting Technology** on February 14, 2024. The speaker for the session was Ms. Rashmi Khandelwal. The conveners for the session were Mr. S.K. Chaurey and Mr. Murlidhar Iyer.

**MEDI-CAPS UNIVERSITY**

**FACULTY OF AGRICULTURE IS ORGANIZING**

**EXPERT LECTURE ON**

**VERMI COMPOSTING TECHNOLOGY**

**FEBRUARY 14 | 2024**

**VENUE : MINOR AUDITORIUM**  
**TIME : 11:00 AM TO 01:15 PM**

**PROGRAM CHAIR:**  
**PROF. (DR.) S. D. UPADHYAY**  
DEAN - AGRICULTURE  
**DR. SANJAY SINGH**  
HOD - AGRICULTURE

**CONVENER:**  
**PROF. S. K. CHAUREY**

**CO-CONVENER:**  
**PROF. MURLIDHAR IYER**

**SPEAKER**

**MS. RASHMI KHANDELWAL**  
EXPERT VERMI COMPOSTING  
GOVIND AGRO INDORE

[www.medicaps.ac.in](http://www.medicaps.ac.in)

The Department of Management and Commerce organised an expert lecture on **"Decoding Union Budget"** on February 13, 2024. The speaker for the session was Dr. Kanhaiya Ahuja, School of Economics, DAVV Indore.



The Department of Civil Engineering organised an Expert Lecture on **"Concrete Mix Design"** in February, 2024. The speaker for the session was Dr. O.P. Bhatiya, Retired Professor, SGSITS, Indore.



On January 24, 2024, on the occasion of National Girl Child Day, the Department of Biotechnology organised two expert lectures. One lecture was given by Dr. V. Ganeshan on **"Women in Science"** and the other was given by Dr. Mukesh K. Patidar on **"Schemes and Scholarships for Girls"**.

# 2nd IEEE International Conference On Computer, Communication, And Control (IC4 '2024)

Medi-Caps University organised the 2nd IEEE International Conference On Computer, Communication, And Control (IC4 '2024) from 8th-10th february 2024.


distinguished guests, including Shri Asheesh Singh, Collector And District Magistrate Of Indore, Chancellor Shri R.C. Mittal And Vice Chancellor Dr. D.K. Patnaik inaugurated the three-day academic journey. Internationally Recognised Scholars, Researchers, And Professionals from around the world graced the stage with their dynamic and knowledgeable presence and shared their expertise.

The keynote speakers of the three-day conference included Dr. Noor Zaman Jhanjhi, Professor, School of Computer Science, Taylor's University, Malaysia; Dr. Om Prakask Vyas, an IT Professor and Dean of Technology Development, IIT Allahabad; Dr. B. Satyanarayana, Scientific Officer(H), TIRF Mumbai; Dr. S.D.Joshi, a Professor of Electrical Engineering, IIT Delhi; Dr. Sudeep Tanwar, a Professor at Nirma University, Gujarat; Dr. Deshinta Arrova Dewi, Associate Professor, INTI International University, Nilai, Malaysia and Dr. Tri Basuki Kurniawan, Associate Professor, UBD, University, Palembang, Indonesia UKM University, Bangi, Malaysia.



The conference unfolded as an extraordinary expedition marked by the exchange of knowledge, enlightening keynotes, and significant Memorandum of Understanding (MoU) agreements.





# **INTRODUCING THE FACULTY OF LAW**

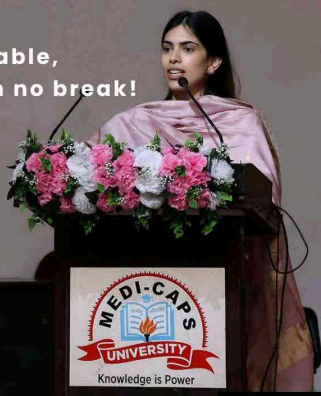


**MEDI-CAPS  
UNIVERSITY**

## **LAUNCHING FACULTY OF LAW**



I'm unstoppable,  
I'm a Porsche with no break!



Searching for my wings in redbull

**F**un  
lashes



नायक भी हूँ, पटनायक भी हूँ !



कर्तव्यनिष्ठा



दिखा बत्तीसी कर बात  
अच्छी सी !



थप्पड़  
से  
डर नहीं  
लगता  
tanning  
से  
लगता है

## Editorial Board

### Editors

Dr. Ranubala Marothiya

Dr. Anisha Jain

### Content Developers

Aayan Pandit      Priyanka Toke  
Riddhima Kaushal      Harshita Singhal  
Akshat Rathore      Palak Patel  
Kshiteesh Joshi      Tanishka Agrawal  
Titiksha Yadav

### Designers

Anshita Kumbhare  
Shubham Gupta  
Khushboo Gangarde  
Kunal Singh  
Harshita Singhal  
Naman Sahu

### Courses:

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

Medi-Caps University, A.B. Road, Pigdamber, Rau, Indore, Madhya Pradesh-453331  
Tel: 0731-3111500  
Helpline: 07969024444