



NEWS LETTER

Volume 68 | EDITION-03

MARCH 2025

“Education is the key that unlocks the golden door to freedom.” - George Washington Carver

The Architect of Innovative Leadership and Progress:

Hon'ble Chancellor
Er. Sanjeev Agrawal Sir

Er. Sanjeev Agrawal, the Hon'ble Chancellor of SAGE University, is a leader whose determination, visionary outlook, and unconventional approach have redefined the boundaries of education and innovation. With a knack for developing unique yet practical ideas, he has paved the way for remarkable achievements that set SAGE University apart.

A true pioneer, Er. Agrawal Sir combines his deep understanding of challenges with a creative perspective, crafting solutions that are not only innovative but also highly effective. His leadership is marked by an unyielding commitment to excellence, ensuring that every endeavor undertaken by the university contributes to its overarching mission of shaping a brighter future.

What sets him apart is his ability to think beyond traditional norms, embracing strategies that are both groundbreaking and implementable. His visionary ideas resonate across all spheres of the institution, inspiring progress and fostering a culture of continuous growth.

With his unwavering determination and ability to turn bold ideas into reality, Chancellor Sir has established himself as a trailblazer in the world of education. His journey is a testament to the power of vision and innovation, making him a guiding force behind SAGE University's extraordinary success.



A Visionary Taskmaster Steering SUI to Excellence

Respected MD Ms. Sakshi Bansal Ma'am



Ms. Sakshi Bansal Managing Director, The SAGE Group

Ms. Sakshi Bansal, the Managing Director of SAGE University Indore, is a leader whose sharp vision and unwavering commitment to excellence define her remarkable journey. With an unparalleled ability to focus on every detail, she has been instrumental in steering the university towards achieving its ambitious goals.

A true taskmaster, Ms. Bansal's leadership style is characterized by her meticulous approach and exceptional problem-solving skills. She has a unique ability to identify opportunities for growth and innovation, ensuring that every challenge is met with a strategic solution. Her relentless pursuit of broadening horizons has positioned SAGE University as a center of academic excellence and holistic development.

Her sharp outlook and keen eye for detail extend across every aspect of the university's operations. From academic programs to infrastructural development, her hands-on approach ensures that every initiative aligns with the institution's long-term vision. Her leadership fosters a culture of accountability, innovation, and precision, inspiring her team to deliver excellence consistently.

Ms. Bansal's ability to blend clarity of vision with an emphasis on actionable goals sets her apart as a transformative leader. Her dedication to fostering growth and her ability to inspire those around her make her a beacon of progress for SAGE University Indore.



The Mastermind Turning Vision into Reality

Respected Pro-Chancellor Dr. Prashant Jain Sir

Dr. Prashant Jain, the Pro-Chancellor of SAGE University, is a visionary leader and a true mastermind behind the institution's unprecedented growth and success. His unwavering focus on tasks and his strategic acumen have been instrumental in transforming SAGE University into a hub of innovation, excellence, and global recognition.

A leader who thrives on precision and dedication, Dr. Jain is deeply involved in every aspect of the university's development. His keen eye for detail and commitment to high standards ensure that every initiative is aligned with the university's long-term goals. From academic excellence to infrastructural advancements, his leadership has been the driving force behind countless milestones.

Dr. Jain's sharp focus and proactive approach to problem-solving have established him as a dynamic leader who continuously seeks ways to enhance the institution's impact. He fosters a culture of accountability and excellence, inspiring the entire SAGE community to strive for greater heights.

Under his guidance, SAGE University has not only grown in scale but also in reputation, becoming a leading name in education, research, and innovation. Dr. Prashant Jain's relentless pursuit of progress and his ability to turn vision into reality make him a cornerstone of the university's success story.



Dr. Prashant Jain Pro-Chancellor,
SAGE University, Indore-Bhopal

TEDx SAGE University Women – The Power of She

On 7th March, SAGE University Indore proudly hosted Power of She, an event dedicated to celebrating the remarkable gathering brought together five field, inspiring the audience with their journeys and

The event commenced with Miss Smita Das Jain, her insights on embracing challenges and redefining the tone for the day, emphasizing the importance of

Next, Dr. Priya Agrawal, a renowned Social Entrepreneur driving social change and fostering innovation. Her audience motivated to contribute to societal betterment.

Ms. Vinita Raj, Managing Director of Word Dealers, took leadership and creativity. Her journey of transforming ideas aspiring leaders in the audience.

Following her, Miss Vartika Chandani, a celebrated inspired the audience with her creative vision and the importance of pursuing one's passion and breaking

The final speaker, Miss Kajal Matta, Mrs India 2021, a rising star embracing change and leveraging commitment. Her insights possibilities and step into the future with confidence.

The event concluded with a collective message of empowerment, difference in their own lives and communities. TEDx SAGE University: event; it was a movement celebrating the indomitable spirit of

the much-awaited TEDx SAGE University: Women – The strength, resilience, and empowerment of women. This exceptional women speakers, each a trailblazer in her ideas.

Founder and CEO, who captivated the audience with success. Her story of resilience and determination set self-belief and perseverance.

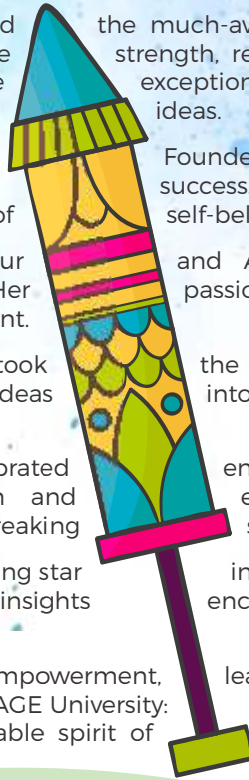
and Angel Investor, shared her experiences of passion for creating impactful solutions left the

the stage next, offering a unique perspective on into impactful narratives resonated deeply with

entrepreneur, and founder of Vara Weddings entrepreneurial journey. Her story highlighted stereotypes in the process.

in the field of Zumba, spoke about the power of encouraged the audience to explore new

leaving the audience inspired to make a Women – The Power of She was not just an women.



AIBSRD 2025: A Two-Day National Conference at SAGE Institute of Sciences



The National Conference on “Advancements and Innovations of Biological Sciences in Research and Sustainable Development” (AIBSRD 2025) at Sage Institute of Sciences, held on the 27th and 28th of March 2025, emerged as a landmark event, bringing together experts, academicians, and researchers from diverse fields. Over the course of two days, the conference created a platform for groundbreaking discussions, fostering innovation and collaboration in biological sciences.

The event commenced with a grand inauguration, setting the stage for an engaging exchange of ideas. Renowned speakers such as Dr. D. K. Upreti from CSIR National Botanical Research Institute, Lucknow, and Dr. M. Z. Abdin from Jamia Hamdard, delivered insightful presentations on advancements in botanical sciences and biotechnology, respectively. Dr. Hem Chandra Jha of IIT Indore and Dr. Trina Bose from the Institute of Paleosciences, Lucknow, captivated the audience with their profound knowledge and research findings, focusing on bioengineering and paleobiology.

The momentum continued on the second day with thought-provoking sessions led by eminent experts like Prof. Dr. Amal Chandra Mondal from Jawaharlal Nehru University, who explored molecular neuroscience, and Dr. Namita Agrawal from the University of Delhi, who highlighted the importance of biodiversity in ecological balance. The contributions of institutional leaders such as Dr. Ankur Arun Kulkarni, Vice Chancellor of Sage University, Dr. Ankur Saxena, Pro Vice Chancellor, and Dr. Sudhir Agrawal, Director General, reflected the university’s commitment to fostering a culture of innovation and research excellence.

The conference was orchestrated under the leadership of Dr. Sandeep Kumar Verma and Dr. Jagrati Singhal as convenors, supported by a dedicated team of coordinators and faculty members. Their combined efforts ensured the success of this transformative event. AIBSRD 2025 not only facilitated meaningful discussions but also inspired participants to pursue sustainable development through advancements in biological sciences.

This two-day celebration of knowledge concluded with a collective resolve to push the boundaries of research and innovation, leaving a lasting impact on all attendees.

SAGE University Indore's Joyful Holi Celebration



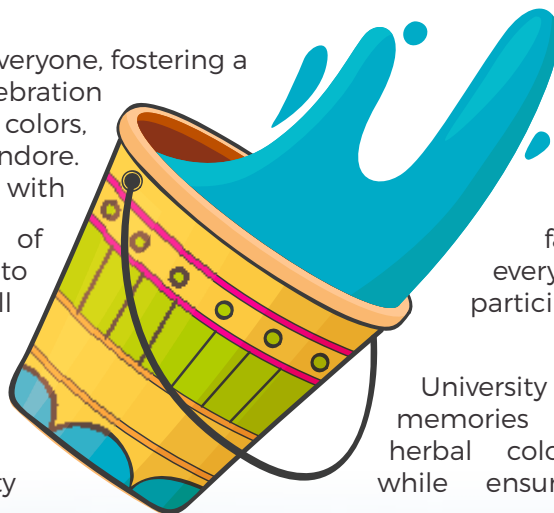
SAGE University Indore hosted a vibrant Holi celebration on 12th March 2025, graced by the presence of the respected Pro-Chancellor, Dr. Prashant Jain. The event commenced in the Kalpavriksha Auditorium, where faculty and staff gathered to participate in the festivities.

The program began with a traditional Saraswati Vandana, invoking blessings from Goddess Saraswati. Dr. Prashant Jain inaugurated the celebration, setting a joyful tone for the day. Faculty members showcased their talents through captivating cultural performances, including singing and dancing, which added to the festive spirit.

Dr. Jain actively engaged with everyone, fostering a sense of unity and camaraderie among the attendees. The celebration with the use of vibrant herbal colors, specially prepared by the students of SAGE University Indore, transformed the auditorium into a colorful haven, echoing with laughter and cheer.

To honor the contributions of faculty and staff, gifts were distributed, bringing smiles to everyone's faces. The event concluded with a delightful lunch, where all participants shared the joy of the occasion.

This Holi celebration at SAGE University Indore symbolized harmony and happiness, creating cherished memories for faculty and staff alike. The thoughtful incorporation of herbal colors highlighted the university's commitment to sustainability while ensuring a safe and eco-friendly celebration.



The auditorium transformed into laughter and cheer.

faculty and staff, gifts were everyone's faces. The event concluded participants shared the joy of the

University Indore symbolized harmony and memories for faculty and staff alike. The herbal colors highlighted the university's while ensuring a safe and eco-friendly



IET (CSE/IT) Organizes an Educational Excursion to Manali

The Department of Computer Science and Engineering (CSE/IT) at IET successfully organized an educational excursion to Manali, Himachal Pradesh, for the 3rd-year CSE students under the supervision of Prof. Vinod Azad.

The excursion provided students with invaluable experiences that extended beyond the confines of their academic curriculum. The trip offered a perfect blend of education and exploration, allowing students to engage with the breathtaking natural beauty of Manali, immerse themselves in its rich culture, and observe scientific advancements in the region.

In addition to its educational value, the excursion emphasized team-building activities, helping students develop stronger interpersonal relationships and collaborative skills. It also served as an excellent platform for enhancing problem-solving abilities by exposing students to real-world scenarios and challenges, complementing their theoretical knowledge acquired in the classroom.

The students returned with a deeper understanding of how academic concepts translate into practical applications, along with cherished memories of a rejuvenating and enriching experience. This excursion marked a perfect balance of learning and leisure, leaving a lasting impact on the participants' educational journey.



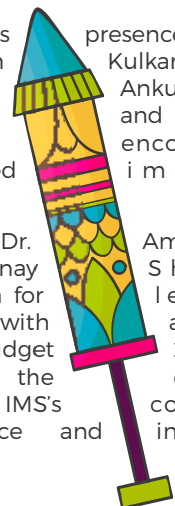
IMS Presents a National Seminar on Decoding the Union Budget 2025



The Institute of Management Studies (IMS) at SAGE University, Indore, successfully organized a prestigious National Seminar on Decoding the Union Budget 2025. The seminar was delivered by the esteemed Prof. Dr. Kanhaiya Ahuja, Director of the School of Economics and Dean of the Faculty of Social Science, who provided insightful perspectives on the Union Budget's implications and opportunities.

The event witnessed the gracious presence of the respected VC Dr. Ankur Arun Kulkarni Sir, DG Dr. Sudhir Agrawal, Pro VC Dr. Ankur Saxena, Registrar Dr. Manish Choudhary, and several other dignitaries. Their encouragement and participation added immense value to the seminar.

The seminar, co-convened by Dr. Amrita Soni, Dr. Aarti Sharma, and Prof. Vinay Sharma, provided an engaging platform for learning a deeper understanding of the Union Budget 2025 and its multifaceted impact on the economy. The event was a testament to IMS's commitment to academic excellence and intellectual growth.



Institute of Design Successfully Hosts Batik Print Workshop

The Institute of Design at Sage University Indore organized a remarkable two-day Batik Print Workshop on 5th and 6th March 2025 at C Block. This enriching event, led by Convenor Professor Dr. Sanket Jain, Program Coordinator of the Institute of Design, and coordinated by Assistant Professor Bhagyashree Gaikwad, provided students with a hands-on experience in the timeless art of Batik printing.

The workshop aimed to immerse students in the traditional craft of Batik printing, focusing on both its artistic and technical aspects. The event witnessed an inspiring presence of the respected Vice-Chancellor, whose words motivated students to embrace creative pursuits.

Throughout the two days, students were guided by an expert in Batik printing, who introduced them to the intricate techniques of hand printing. From understanding the nuances of wax-resist dyeing to mastering the creation of detailed patterns, students actively participated and showcased immense enthusiasm. The workshop served as a platform for them to learn, explore, and engage deeply with the artistic process.



The event successfully blended creativity with technical know-how, equipping students with skills that extend beyond the classroom. The hands-on approach allowed participants to experiment and refine their craft, further enhancing their understanding of design and printing methods.

The workshop concluded on a high note, leaving students inspired and motivated to delve deeper into the world of traditional art forms. Events like these highlight the Institute of Design's commitment to fostering creativity, innovation, and practical learning among its students.

The success of the Batik Print Workshop reaffirms the Institute of Design's dedication to nurturing future design professionals who value the blend of heritage and innovation in their creative endeavors.



SAGE University Indore Hosts Industrial Visit to 47 Billion IT Company

On 7th March 2025, SAGE University Indore organized an insightful industrial visit for the Institute of Computer Application (ICA) to the renowned 47Billion IT Company. This visit was exclusively designed for students from the MCA stream and was successfully coordinated by Prof. Jyoti Tiwari under the guidance of Dr. Rasmi Yadav (HOI, ICA) and Dr. Sanjay Dubey (HOD, ICA). The visit aimed to bridge the gap between academic knowledge and industry practices. Students gained valuable insights into the workings of the IT sector, experiencing real-world applications of the concepts learned in their curriculum. This hands-on exposure provided a deeper understanding of industry trends, workflows, and emerging technologies, fostering practical knowledge beyond classroom learning.

During the visit, the students interacted with industry professionals, explored various departments, and understood the challenges and solutions in the IT domain. Such engagements encouraged them to align their academic pursuits with industry expectations and prepare for future professional endeavors.

The initiative highlighted SAGE University's commitment to offering experiential learning opportunities to its students, ensuring they are well-equipped to meet the demands of the evolving IT industry. The event was both educational and inspiring for all participants.



Organic Colors Workshop Promoted Safe and Sustainable Holi Celebrations



The Institute of Sciences and Institute of Agriculture Sciences, in collaboration with the True Sage Foundation, successfully organized a Holi Workshop on creating organic colors. Held with a vision to empower students and support staff with practical skills, the workshop aimed to encourage a safe and environmentally friendly way of celebrating Holi.

Participants were guided through the process of preparing organic colors using natural ingredients, a step towards reducing the harmful impact of synthetic dyes on health and the environment. This hands-on learning session not only imparted valuable skills but also emphasized the importance of adopting sustainable practices in our festivities.

A special note of gratitude goes to Dr. Suman Sharma, Dr. Akhilesh Upadhyay, and the Heads of Departments from the Institutes of Sciences, Agriculture, and Pharmacy, whose unwavering support ensured the event's success. Their collective efforts, along with enthusiastic participation from attendees, made this initiative memorable and impactful.

Let us continue to embrace the vibrant spirit of Holi while championing sustainability. Together, we can paint a brighter, greener future.



Students of IAC and IET Participated in the 24th AMSB Seminar on AI Applications in the Indian Army



The Institutes of Advanced Computing (IAC, Specialization) and the Institute of Engineering and Technology (IET, CSE/IT, and Applied Science) are proud to announce the participation of their students in the prestigious 24th AMSB Seminar on "Leverage & Actualise AI in the Indian Army," held at MCTE Mhow on the 10th and 11th of March 2025.

This seminar provided a unique platform for students to delve into the transformative role of Artificial Intelligence (AI) in military operations. Over two days, participants were exposed to cutting-edge advancements in AI technologies and their integration into the Indian Army's strategic and operational frameworks.

Highlights of the event included interactive discussions with leading experts in defense technology, insightful presentations, and hands-on demonstrations showcasing AI's potential to enhance decision-making, surveillance, and combat strategies. Students gained firsthand exposure to how AI is redefining the landscape of national security and defense.

The seminar not only broadened their understanding of AI's applications but also ignited a passion for innovation in defense technology. Many participants expressed their enthusiasm to contribute to advancements in this field, inspired by the discussions and knowledge shared during the event.

We extend our heartfelt gratitude to MCTE Mhow for hosting such an enriching experience and for fostering an environment where young minds could explore the intersection of technology and defense.

This remarkable opportunity has left an indelible mark on our students, encouraging them to dream big and harness the potential of AI for a better, secure future.



3-Day Training on "Accelerating Supercomputing with NVIDIA GPU"

From March 24 to 26, 2025, the departments of IAC (Specialization) and IET (CSE/IT, Applied Science) collaborated with NVIDIA to organize an enriching 3-day training program titled "Accelerating Supercomputing with NVIDIA GPU." The event provided students with a unique opportunity to delve into the transformative capabilities of NVIDIA GPUs in the realm of supercomputing.

Throughout the program, participants explored advanced techniques to elevate supercomputing tasks, gaining invaluable hands-on experience with NVIDIA's cutting-edge tools and frameworks. The sessions delved into GPU architecture, parallel computing, and high-performance computing, equipping students with practical knowledge to tackle complex computational challenges.

Mr. Vamsi Chittoor, a distinguished AI/DS expert trained by NVIDIA, spearheaded the training sessions. His expertise illuminated critical areas such as accelerating machine learning and AI models and optimizing computational workflows. Students benefited immensely from his guidance, gaining insights into the practical applications of NVIDIA GPUs in AI and data science.

The program marked a significant milestone in fostering technical excellence among students, bridging academic knowledge with industry expertise, and inspiring participants to embrace innovation in computing technologies.



Institute of Sciences Organizes a Visit to ICAR-Indian Institute of Soybean Research, Indore



On February 25, 2025, the Institute of Sciences organized a visit to the ICAR-Indian Institute of Soybean Research, Indore, for B.Sc. IVth semester students specializing in Biotechnology, Microbiology, Biological Sciences, and Forensic Sciences. The visit aligned with the "Student First" vision of the honorable Chancellor Sir, focusing on enhancing experimental knowledge and skills.

The objective was to acquaint students with recent innovations and strategic research on Soybean, often referred to as "Yellow Gold." They explored developments in creating abiotic stress- and disease-resistant varieties, along with more productive crops for farmers. During the visit, students toured the Agri-Business Incubation Center, learning advanced techniques such as bio-fertilizer preparation, and the production of Soya milk, Soya curd, and Tofu paneer. They also observed experimental farming trials related to soybean research.

The students benefited from expert interactions with Dr. Mrinal K. Kuchlan, Senior Scientist, Dr. Hemant Singh Maheshwari, Scientist, and Dr. Rishi Kumar, Postdoctoral Fellow. These experts shared insights on soybean research and development, emphasizing agricultural economy improvements, farmer welfare, and entrepreneurship in agri-business.

Coordinators Dr. Shiv Om Pratap and Dr. Dipul Kumar Biswas expressed gratitude to the scientists for their knowledge-sharing sessions. HOI Dr. Sandeep Kumar Verma and HOD Dr. Jagrati Singhal commended the initiative and assured continued efforts for such enriching experiences.



SAGE University Conducted Job Orientation Training Under Suryamitra Project



SAGE University Indore successfully organized a 3-month Job Orientation Training Session as part of the Suryamitra Skill Development Project. This initiative aimed to enhance the employability of participants by providing industry-relevant skills and practical knowledge.

The training session focused on equipping participants with hands-on experience and insights into industry standards, ensuring they were well-prepared for employment opportunities in their chosen fields. The program covered various aspects of skill development, emphasizing practical applications and real-world problem-solving techniques.

During the three months, participants engaged in interactive sessions, workshops, and practical exercises designed to align their capabilities with industry demands. Experts from different sectors shared their knowledge, offering valuable guidance and fostering a learning environment that bridged the gap between academic knowledge and practical applications.

The Suryamitra initiative demonstrated SAGE University's commitment to empowering individuals through education and skill-building. By providing a platform for comprehensive training, the university played a pivotal role in enhancing the participants' career prospects and contributing to their professional growth.

The successful completion of this program highlighted the university's dedication to fostering skill development and ensuring students and professionals are well-equipped to meet the challenges of a dynamic job market.



SAGE University Indore signed an MOU with Talent Catalyst AI, marking a significant step towards advancing education and technology integration. The collaboration aimed to provide students with AI-driven learning opportunities, fostering innovation and industry readiness. This partnership underscored the university's commitment to equipping students with future-ready skills.

SAGE University, Indore Signs MOU with Talent Catalyst AI
Congratulations on the Collaboration!

MOU Signing Ceremony

The MOU Emphasize on integrating cutting-edge AI technologies into the curriculum, providing students with hands-on experience and exposure to the latest industry trends. This partnership also opens doors for internships, job placements and collaborative research, helping students stay ahead in the rapidly evolving AI field.

National Science Day Celebrated with SAGE Talk on Digital Forensics

IET (CSE/IT, Applied Science) and IAC (Specialization), in collaboration with MPCST Bhopal, celebrated National Science Day by organizing a SAGE Talk titled "Digital Forensics in Cyber Security."

This event, held as part of the Alumni Connect Series, brought together students, faculty, and industry experts to explore the critical role of digital forensics in ensuring cyber security. The session highlighted emerging trends, challenges, and solutions in the domain, offering valuable insights into this vital field.

The engaging discussion reflected SAGE University's commitment to fostering knowledge exchange and innovation through impactful events and industry collaborations.



SAGE UNIVERSITY INDORE NAAC A+

Institute of Advance Computing (Specialization)
Institute of Engineering & Technology (CSE/IT, Applied Science)

Catalysed and supported by:
National Council for Science and Technology Communication (NCSTC) DST, GOI, New Delhi and M. P. Council of Science and Technology (MPCST) Bhopal.

Celebrating
National Science Day-2025
विज्ञान पखवाड़ा

Theme: Empowering Indian Youth for Global Leadership in Science and Innovation for Viksit Bharat

SAGE TALK
DIGITAL FORENSICS IN CYBER SECURITY

Under Alumni Connect (Series-01)
Date : 4th March 2025, Time : 11:45 AM to 12:45 PM

Speaker

Mr. Mehul Dubey
Cyber Security Analyst and Researcher
(Bharat (Hacker) Magazine, Pm. 104.)

Advisors
Dr. Sudhir Agrawal (UG, SI) | **Dr. Lalji Prasad** (HOD, IAC Specialization, CSE/IT, Applied Science, SI)

Convenors
Dr. Hemang Shrivastava (HOD, IAC Specialization, SI) | **Dr. Deepak Kumar Yadav** (HOD, CSE/IT, SI) | **Prof. Sonal Tripathi** (HOD, Applied Science, SI, SI)

Coordinators
Dr. Ati Jain (Asst. Prof. IAC Special.) | **Dr. Sapna Dubade** (Asst. Prof. AS, SI)

Counseling Session on ISIP 2025 Held Successfully



IAC (Specialization) and IET (CSE/IT), in collaboration with the CGC-PBLCoE Network (CTIF Global Capsule and PBLCoE Initiative), successfully organized a Counseling Session on the International Summer Internship Programme (ISIP) 2025 on 5th February 2025.

Dr. Sandeep Inamdar, Managing Trustee and Vice President of Vishwaniketan, Mumbai, served as the guest speaker. He shared valuable insights into the importance of international internships and their transformative impact on career growth.

ISIP/UG Fellowship 2025, a 6-week international internship program, offers students global exposure through opportunities at prestigious universities across Europe, the USA, and Southeast Asia. The session emphasized the benefits of cross-cultural learning, skill enhancement, and networking opportunities, inspiring participants to seize this unique opportunity.

This initiative showcased SAGE University's dedication to providing students with global opportunities and a platform to excel in their careers.

Cyber Hackathon Organized Under SAFE CLICK Campaign



IAC (Specialization) and IET (CSE/IT, Applied Science) at SAGE University Indore successfully hosted the Cyber Hackathon under the SAFE CLICK Campaign on 10th February 2025.

Esteemed speakers included Sabyasachi Saraf (Superintendent of Police), Narendra Raghuwanshi (Deputy Superintendent of Police), Dinesh Verma (Inspector), and Anju Patel (Inspector), who shared their expertise and insights.

The Cyber Hackathon, an initiative by MP Police under the SAFE CLICK Campaign, aimed to raise cyber awareness, enhance ethical hacking skills, and strengthen digital safety among students. The event provided a platform for participants to engage in practical cybersecurity challenges and learn valuable strategies to safeguard against cyber threats.

This initiative demonstrated SAGE University's commitment to fostering technological awareness and equipping students with essential skills for the digital age.

SAGE University Organized AICTE-Sponsored FDP on Electric Vehicles

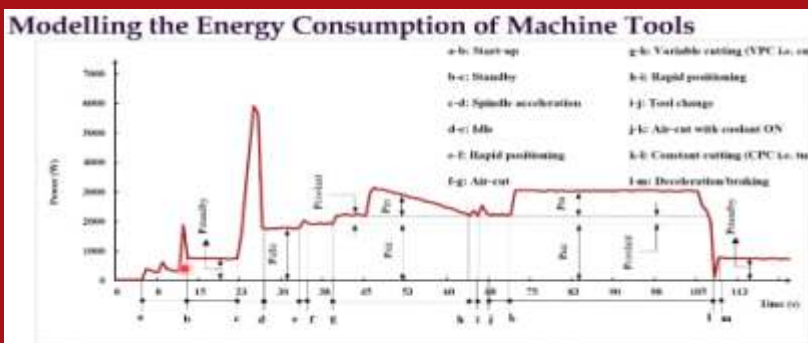


Fig. A typical power profile of a machine tool for machining cylindrical parts

Model the energy consumption of machine tools...

Energy Consumption Modelling

The developed model for the different energy modules of the machine tool:

$$E_{\text{total}} = \int_0^t P_{\text{total}}(t) dt$$

$$E_{\text{main}} = \int_0^t P_{\text{main}} dt = P_{\text{main}} \times t$$

$$E_{\text{sp}} = \int_0^t P_{\text{sp}} dt \quad E_{\text{sp}} = \frac{1}{2} \times \omega^2 \times I + \omega \times H \times z$$

$$E_{\text{ra}} = \int_0^t P_{\text{ra}} dt = P_{\text{ra}} \times t$$

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$$E_{\text{b}} = \int_0^t P_{\text{b}} dt = P_{\text{b}} \times t$$

SAGE University Indore (IET – Mechanical, CSE/IT, Applied Science, and IAC – Specialization) successfully hosted a 6-day ATAL Online Faculty Development Program (FDP) titled "Energizing Sustainability: Electric Vehicles and Their Contribution to Environmental Conservation."

The event, proudly sponsored by AICTE, was conducted virtually from 10th to 15th February 2025. The FDP aimed to provide participants with a comprehensive understanding of electric vehicle technology and its role in promoting environmental sustainability.

Through expert-led sessions, the program highlighted advancements in electric mobility, sustainable practices, and their potential to reduce environmental impact. The initiative demonstrated SAGE University's commitment to fostering academic growth and contributing to sustainability.

Workshop on Transformers and GenAI Conducted Successfully



IAC (Specialization) and IET (CSE/IT, Applied Science) successfully conducted a 3-day workshop on "Introduction to Transformers and GenAI" from 11th to 13th February 2025. Designed for AI & DS 2nd and 3rd-year students, the workshop provided insights into cutting-edge AI technologies, focusing on transformers and generative AI. Participants gained hands-on experience, enhancing their understanding of these advanced concepts and their applications, fostering innovation and practical knowledge in the field of artificial intelligence.



SAGE University Hosted Global Education Program on Microsoft & Google



SAGE University Indore proudly organized the "Global Education Program on Microsoft & Google" on 13th February 2025. The program offered an exceptional opportunity for students to explore the latest technological advancements from industry giants Google and Microsoft.

Participants engaged in insightful sessions, enhancing their skills and knowledge of cutting-edge tools and platforms. The program emphasized skill development, preparing students for future opportunities and equipping them to navigate a dynamic career landscape.

This initiative reinforced SAGE University's commitment to providing students with global exposure and fostering their journey toward professional excellence.

PAPER PUBLISHED

Congratulations



Dr. Lalji Prasad
HOI, IAC Specialization

Research Paper entitled "Intelli Crop: Advanced Security in RPL-Enabled IoT Networks Through Machine Learning"



Dr. Ritu Tandon
Associate Professor, IET (CSE/IT)

Towards Precision in Skin Cancer Diagnosis: A Deep Learning Framework for Segmentation and Severity Analysis



Dr. Lakshmi Pillai
Professor, Institute of Science

Research paper: Comparative nutritional and phytochemical profiles of some exotic and local berries for health boosting effects



Prof. Samyak Jain
Assistant Professor, IMS

Paper Title: The Influence of Payment Banks of India's Financial System (with special reference to urban & rural areas of Indore District)



Dr. Somanath Jadhav
Assistant Professor, Institute of Agriculture

Published a paper entitled Analysis of Yield and Quality Correlation in Lablab Bean (Lablab purpureus L.) Across Various Sowing Dates in Kokan Region

Published a paper entitled Effect of Stress on Yield, Proline and Chlorophyll Content in Five Lablab Bean (Lablab purpureus L.) Sweet Genotypes

Published a paper entitled Dry matter and growth parameter of different lablabbean genotypes as influenced by different sowing date under konkan rabi condition



Rohimee Dehariya
Assistant Professor, Institute of Science

Book Chapter: Application of CRISPR-Cas Systems in Crop Genomics"



Mr. Dharmendra Kumar
Assistant Professor, Institute of Agriculture

Published a paper entitled Influence of Nitrogen and Phosphorus Application on Crop Productivity and Profitability of Gobhi Sarson (Brassica napus L.)

PATENTS AND COPYRIGHT

Congratulations



Prof. O. P. Karada
Assistant Professor, IET Spec

Copyright Entitled "Waste Food Management"
Published

Copyright entitled "C++ Handbook" filed

Cleared All India Bar Examination-19 (AIBE XIX)

Attended FDP on Industry 5.0 17 to 21 Feb 2025



Prof. Sneha Padiyal
Assistant Professor, IAC Spec

Patent entitled AI Powered Predictive maintenance
system for electric vehicles (EVS) Published

Patent entitled Wearable devices for real time
monitoring of vital signs using AI and Optical
sensors Published

Attended FDP on Industry 5.0 17 to 21 Feb 2025



Dr. Dinesh Jain
Professor, CSE/IT-IET

Patent entitled A System and Method for AI-
Powered Travel Safety, Real-Time Risk Analysis,
and Optimal Route Prediction Published

Appointed as an External for Ph.D Viva at SSSUTM
University Sehore

Reviewer in SCOPUS Journal: JENRS

Delivered an Expert Talk on Outcome based Project
in emerging areas



Sudhanshi Sharma
Assistant Professor, Institute of Science

Copy Rights: Advancing evidence collection - The
use of slime for forensic tress retrieval

As an Acedemic member in Shivi forensics
(ISO:9001.2015 certified)

Ms. Sudhanshi Sharma of SAGE University, Indore
has presented a paper titled "Examination Of
Geniune And Simulated Forgery Signature Through
Visual Inspection" at the 4th International
Conference on Advances in Forensic Science
(ICAFS), organised by the Department of Forensic
Science, Kristu Jayanti College, Autonomous,
Bengaluru, on 13th and 14th March, 2025.



Prof. Vasudev Rodwal
Assistant Professor, CED, IET

A system and method for calculating surface area
and compressive strength of irregular paver block



Mr. Kailash Meria
Lab Tech, CED, IET

A system and method for calculating surface area
and compressive strength of irregular paver block

PATENTS AND COPYRIGHT

Congratulations



Prof. Rupesh Rathore

Asst. Professor, CED, IET

A system and method for comprehensive soil test result calculation and automated report generation



Prof. Ganesh Choudhary

Asst. Professor, CED, IET

A system and method for comprehensive soil test result calculation and automated report generation



Harshita Ahirwar

Assistant Professor, Institute of Science

Copy Rights: Advancing evidence collection - The use of slime for forensic tress retrieval

As an Acedemic member in Shivi forensics (ISO:9001.2015 certified)



Dr. Shiv Om Pratap

Associate Professor, Institute of Science

Participated in the One Day Seminar on "Vision Board Making of 2025" on 08 February 2025. organized by Research Fondation of India

in the STEMWorks! Conclave 2025, held on 31st January 2025, organized by India STEM Foundation.



Dr. Amrita Soni

Associate Professor, IMS

Patent Published:- Device for Technology Adoption Management in Banking Sectors



Prof. Vinay Sharma

Assistant Professor, IMS

Patent Published:- Device for Technology Adoption Management in Banking Sectors



Dr. Aarti Sharma

Assistant Professor, IMS

Patent Published:- Device for Technology Adoption Management in Banking Sectors

FACULTY ACHIEVEMENTS

Congratulations



Dr. Prachi Gour
Asst. Professor, CED, IET

Future Trends in Ground Improvement using Sustainable Techniques

Participated in 10th IYGEC held on 11 & 12th March 2025 at IIT Indore



Dr. Atul Bhatore
HOD, CED, IET

A system and method for calculating surface area and compressive strength of irregular paver block

A system and method for comprehensive soil test result calculation and automated report generation

Participated in 10th IYGEC held on 11 & 12th March 2025 at IIT Indore

Appointed as Reviewer in MAT Journals



Prof. Sonal Tripathi
Assistant Professor, IET-AS

Attended Atal FDP on Energizing Sustainability : Electric Vehicles and their contribution to environmental conservation



Prof. Priya Yadav
Asst. Professor, CED, IET

Attended Webinar on Innovation in Corrosion Management for Reinforced Concrete Structures- Case studies and Strategic Solutions organised by Amity University, Gwalior.



Prof. Arvind Singh Gaur
Asst. Professor, CED, IET

Attended Webinar on Innovation in Corrosion Management for Reinforced Concrete Structures- Case studies and Strategic Solutions organised by Amity University, Gwalior.

Attended national Seminar on Chemistry in Sports: Analytical Techniques Behind Anti-Doping Testing



Dr. Ati Jain
Associate Professor, IAC Specialization

Research Paper entitled "AI Based Emotion Detection System in Healthcare for Patients"

Patent entitled "Smart IoT-Enabled Refrigerator System for Real-Time Recipe Suggestions and Ingredient Optimization" Published

Reviewer in SCI Journal Advance Engineering Informatics

FACULTY ACHIEVEMENTS

Congratulations



Dr. Shekh Kulsum Almas

Associate Professor, IET EC

Industrial visit- Jalod water treatment plant and rural out reach at Maheshwar

Winter school - Solar PV basics and installation process

A system and method for detection of sleep and alcohol consumption of in a vehicle



Dr. Mukesh Yadav

Additional COE, IET, EC

Smart Traffic Lighting System using Image Processing

A system and method for detection of sleep and alcohol consumption of in a vehicle

A Versatile Manual Agricultural Robot with Low-Maintenance Design, Safety Features, and Interchangeable Attachments



Dr. Paras Dubey

Associate Professor, Institute of Science

Dr. Paras Dubey from Institute of Sciences, SAGE University, Indore has participated and successfully completed the 3-day Face-to-Face FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) at Institute of Engineering and Technology, SAGE University, Indore from 11th February to 13th February 2025.



Prof. Megha Gupta

Assistant Professor, IET EC

Smart Traffic Lighting System using Image Processing

A system and method for detection of sleep and alcohol consumption of in a vehicle

A Versatile Manual Agricultural Robot with Low-Maintenance Design, Safety Features, and Interchangeable Attachments



Mr. Madhav Singh Korav

Assistant Professor, IET EC

Industrial visit- Jalod water treatment plant and rural out reach at Maheshwar



Mr. Rupesh Patidar

Asst. Professor, ICA

Completed 3 days face face-to-face FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE.

FACULTY ACHIEVEMENTS

Congratulations



Mr. Ravi Suryavanshi

Assistant Professor, Institute of Science

Participated and successfully completed the 3-day Face-to-Face FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) at Institute of Engineering and Technology, SAGE University, Indore from the February to 13th February 2025. from Institute of Sciences, SAGE University, Indore



Mr. Nitin Puranik

Assistant Professor, Institute of Science

Mr. Nitin Puranik. for sharing his Knowledge and experience as a guest speaker in the value added course on "Aquarium fish keeping and Aquarium Maintenance" organized by Fisheries department under the umbrella of IQAC and fisheries club, Govt. Holkar (Model, Autonomous) Science College, Indore (M.P.) From 3 March 2025 to 8 March 2025.



Dr. Sapna Dabade

Associate Professor, IET-AS

Delivered Expert Talk entitled *Youth, Science & Innovation: Catalysts for India's Global Leadership* delivered by me on the occasion of *National Science Day 2025* organized by Oriental University, Indore Catalyzed and supported by

(NCSTC), DST, GOI, New Delhi and M. P. Council of Science and Technology *(MPCST)* Bhopal.

Delivered an Invited Talk at *Barli Institute of Rural Development, Indore*, on " Rural & Tribal Women's Skill Development and Education" on the occasion of *International Women's Day*.



Dr. Nidhi Tiwari

Associate Professor, IET EC

Session chair in international congress on information and communication technology (ICICT 2025)

Reviewer in Journal of Engineering Research and Sciences

Session chair in SmartCom 2025

Smart Traffic Lighting System using Image Processing

A system and method for detection of sleep and alcohol consumption of in a vehicle

A Versatile Manual Agricultural Robot with Low-Maintenance Design, Safety Features, and Interchangeable Attachments



Prof. Madhvi Singh

Assistant Professor, IET EC

A system and method for detection of sleep and alcohol consumption of in a vehicle

STUDENT ACHIEVEMENTS

Congratulations

Congratulations to Nayan Bebale, final-year IT student, for earning a Merit Certificate in "Geodata Processing using Python and Machine Learning" from ISRO-IIRS, Dehradun.



Congratulations to our student for qualifying GATE 2025 with excellence!



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