DISCLAIMER

VISION

To promote higher learning in advanced technology, management skills and industrial research to make our country a global player

MISSION

To promote quality education, training and research in the field of engineering & management by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students

CONTENT

THE EDITOR SPEAKS

CELEBRATING GROWTH THROUGH COLLABORATION

Just as a tree grows stronger with each passing season, our roots have deepened and expanded through the connections we have made. In this special year, as we come together to unveil the 58th edition of our college magazine with a new team, we are reminded of the profound impact that collective growth can have on our lives. From this issue, we proudly introduce the thematic editions for The SKIT Times. The theme 'Together We Grow' resonates deeply with us, as we recognize that our success is often rooted in the support and contributions of those around us.

From academic achievements to extra-curricular triumphs, we attempt to highlight how our faculty and students have come together to achieve greatness. Through inspiring articles, poems, and photographs, we demonstrate that we can overcome the most daunting challenges when we unite to pursue a common goal. So let us nurture this spirit of collaboration and the boundless potential that arises when we grow together. Savour the words!

Dr. Sheeba Anjum
Editor-in-Chief

CYNOSURE
OF THE ISSUE

TOGETHER WE GROW!

"If you want to walk fast, walk alone. But if you want to walk far, walk together."
— Ratan Tata

Shri Ratan ji might have left us for the heavenly abode but his ideals and wisdom still bear the torch to guide the society. He firmly believed that one can achieve things at their own pace, slow or fast but to make an impact larger than our personal interests it is imperative that we must walk together, hand in hand, shoulder to shoulder. It is necessary that people forge connections and that the environment is mutually fulfilling. Without the symbiosis of pioneers and welcoming supporters of those ideals every great new idea would fail to make it to the sunlight. Without association among people through a collective belief in an ideal, any revolution civic, legal or scientific cannot take place.

The French revolution, the Russian revolution and the Bharatiya struggle for freedom could only gain unshakable ground and unstoppable momentum because they were mobilized by people who were ready to channelize that one common emotion called Patriotism, to engage in that fight. It was a joint effort and allegiance to Bharat mata and a belief in the Nationalism that all our folk had visualized together.

"Together we grow" is more than just a phrase; it's a powerful idea that shows how collaboration can lead to amazing results.

Let us dive into more common examples that you might find easier to relate to. Imagine a garden where different plants thrive side by side. Each flower, tree, and shrub contributes something unique, creating a vibrant ecosystem. Just like in a garden, when we work together, we can share our strengths and learn from one another. Think about a sports team. Every player brings their own skills, whether it's speed, strength, or strategy. When they combine these talents, they can achieve incredible victories. In school, group projects are another great example. When students collaborate, they exchange ideas, tackle challenges, and inspire each other to do their best. Picture a group of friends brainstorming for a science fair. One person might have a cool idea, while another has the skills to build it. By pooling their talents, they create something truly remarkable. Even in our communities, when people come together for a common cause—like cleaning up a park or organizing a charity event—they make a significant impact.

So, how can we apply this idea in our own lives? Maybe we can start by helping a classmate with their homework or joining a club where everyone's ideas are valued. By working together, we not only grow individually but also create a supportive environment where everyone can shine. Let's embrace the spirit of teamwork and see how much more we can achieve when we stand united. Together, we can grow into something extraordinary because a wise man once said,
"United we stand, divided we fall"

Falaasha Nothalia
(AI-A 2nd year)
Student Editor, THE SKIT TIMES

CAMPUS PRIME

SILVER JUBILEE ORIENTATION CEREMONY- AGAAZ 2024

On September 2nd, 2024, SKIT conducted the 25th Orientation Session, 'Aagaaz-2024', for B.Tech first-year students. The event featured Honourable Dr. Prem Chand Bairwa, Deputy Chief Minister of Rajasthan, as the Chief Guest, as well as Mr. Pankaj Kumar Jangid, Dy. General Manager at PGCIL, Mr. Rajesh Kumar Jhakar, SDM of Jaipur I, and Dr. Vijay Chatterjee, Senior Scientist & Business Development at CSIR-CEERI were invited as Guests of Honor. Dr. G.S. Chauhan, Joint Secretary of UGC, presided over the orientation ceremony. During the event, Shri Prem Chand Bairwa addressed the students, highlighting the important role engineers will play in realizing the Prime Minister's vision of Viksit Bharat 2047, and congratulated the institute on completing 25 years of imparting quality education. Additionally, a movie showcasing the journey and achievements of SKIT was screened for all attendees.

Cultural Performance at the Orientation Ceremony

Shri Prem Chand Bairwa at the Orientation Ceremony

SKIT HOSTS CONVOCATION FOR 2022 AND 2023 BATCHES

Swami Keshvanand Institute of Technology, Management, and Gramothan (SKIT) celebrated its degree distribution ceremony for the 2022 and 2023 batches with grandeur and pride. Held on July 7th, 2024, in the campus auditorium, the event saw degrees conferred by dignitaries including Patron Shri Raja Ram Meel, Chairman Shri Surja Ram Ji Meel, Director Shri Jaipal Meel, and Principal Dr. R.K. Pachar.

In inspiring addresses, the dignitaries highlighted perseverance, ethical values, and innovation as key to success, urging graduates to contribute meaningfully to society. The ceremony featured heartfelt speeches and moments of nostalgia that resonated with graduates and their families. The day concluded with a message of hope, as graduates departed, ready to make their mark and carry the SKIT legacy forward.

Degree Distribution Ceremony at SKIT

Degree Distribution Ceremony at SKIT

SKIT JAIPUR CELEBRATES INDEPENDENCE DAY WITH PATRIOTIC ZEAL

Swami Keshvanand Institute of Technology, Management, and Gramothan (SKIT), Jaipur, celebrated the 78th Independence Day with a vibrant display of national pride. The event featured captivating cultural performances, including patriotic dances, soulful musical renditions, and impactful dramas that honored India's freedom fighters and showcased the country's rich heritage. Esteemed dignitaries, including Prof. S.L.Surana, Director (Academics), and Principal R.K. Pachar, addressed the gathering,

emphasizing the importance of responsibility and patriotism in nation-building.

The celebration peaked with the dignitaries' ceremonial flag hoisting, accompanied by a powerful rendition of the National Anthem that united the audience in a shared sense of pride. The event left attendees inspired and reinforced their commitment to uphold the values of freedom, justice, and equality that define India's independence.

SKIT STUDENTS EXCEL AT NATIONAL SPACE DAY 2024

Students from Swami Keshvanand Institute of Technology (SKIT) secured 2nd and 3rd places in the Best Model Award category at the National Space Day competition, organized by ISRO's Regional Academic Centre for Space (RACS) at MNIT, Jaipur. The event celebrated innovation in space technology, drawing participants nationwide. SKIT's teams, led by final-year students Aman Yadav and Priya Sharma, impressed judges with their innovative and functional space technology models.

Principal Dr. R.K. Pachar praised their achievement as a testament to creativity, teamwork, and dedication. The accomplishment highlights SKIT's focus on fostering practical learning and innovation, inspiring future engineers and scientists to reach for the stars.

Winners of the National Space Award

TEACHERS' DAY CELEBRATION AT SKIT, JAIPUR

On September 5, 2024, SKIT celebrated Teacher's Day with vibrant ceremonies honoring educators. The event began with a traditional welcome ceremony, followed by speeches from dignitaries like Chairman Mr. Surja Ram Ji Meel and Principal Dr. R.K. Pachar, highlighting the critical role of teachers in shaping students' minds and values. Cultural performances, including poetry, music, and dance, added to the celebrations, expressing gratitude to teachers. The day also included awards recognizing faculty excellence in the field of research. The event concluded with a sense of unity and appreciation, reaffirming the vital role of educators in shaping the future.

Teachers' Day celebration at SKIT

SKIT JAIPUR HOSTS INSPIRING BLOOD DONATION CAMP

SKIT Jaipur organized a Blood Donation Camp on October 1, 2024, which united students, staff, and the community in a powerful demonstration of social responsibility. With 685 students donating blood, the event highlighted the vital role of youth in addressing urgent healthcare needs. The camp was preceded by awareness activities, including slogan writing, poster making, and video competitions, which engaged students and emphasized the importance of blood donation. A spirited Walkathon further rallied the community, spreading messages like "Donate Blood, Save Lives."

The grand inauguration, attended by dignitaries from SKIT, HDFC Bank, and Lions Club Jaipur, set the tone for the day. Partners like SMS Hospital and Rungta Blood Bank ensured seamless operations, guided by coordinators Mr. Dinesh Kumar Sharma and Dr. Anjana. This impactful event demonstrated the power of unity and compassion, leaving participants inspired to continue making a difference. As one student remarked, "It's incredible to know our efforts can save lives." SKIT's initiative stands as a beacon of hope, encouraging others to embrace the responsibility of giving back.

Blood Donation at SKIT

SKIT EXCELS AT RTU TOURNAMENTS 2024

SKIT students showcased remarkable talent and determination at the Rajasthan Technical University (RTU) Inter College Sports Tournaments in September and October 2024.

-Men's Badminton Team: Crowned champions after a series of thrilling matches, displaying exceptional teamwork and strategy.
-Women's Badminton Team: Secured Runner-Up position, demonstrating courage and resilience in a closely fought final.
-Women's Table Tennis Team: Emerged victorious with outstanding skill and teamwork, adding another gold to SKIT's achievements.
- Men's Table Tennis Team: Achieved Runner-Up, narrowly missing the top spot after an intense competition.
SKIT Men's and Women's Volleyball Teams won the RTU Volleyball Tournaments.

Dr. R.K. Pachar, Principal, SKIT lauded the students for their dedication and sportsmanship, calling their success an inspiration for future achievements. SKIT's athletes continue to set new benchmarks in sports and teamwork.

Winners of Volleyball Tournaments

LIBRARY WORKSHOP AT SKIT

The Gyandan Resource Centre at SKIT, Jaipur, in collaboration with the Rajasthan Technical Library Association (RTLA), organized a two-day workshop titled "Hands-On Workshop on KOHA (Integrated Library Management System - ILMS)" on August 2-3, 2024. The workshop aimed to enhance the knowledge and skills necessary for effective library management by providing practical experience in installing, configuring, and using Koha (ILMS). Over 50 participants attended the event, including librarians, library staff, and IT professionals from both India and the UAE. The participants comprised both new and experienced users of Koha, eager to deepen their understanding and refine their technical skills.

Dr. Rishi Kumar Tiwari, Librarian at the Malaviya National Institute of Technology, Jaipur, served as the Workshop Director and was the chief guest at the inaugural session. Dr. Mahendra Singh Rao, Assistant Professor at the University of Rajasthan, was the guest of honor during the valedictory session. In his keynote address, Dr. Tiwari emphasized the role of Koha in library automation and highlighted the evolving responsibilities of librarians. Dr. Rajkumar Bhakar, Patron of RTLA, provided valuable insights into the association's contributions to the field of library and information science. Additionally, Dr. S. L. Surana, Director (Academics), showcased the achievements of SKIT in library automation and underscored the important role librarians play in various institutions. Dr. Dalla Ram Bhinchhar, Chief Librarian, SKIT welcomed the attendees and outlined the workshop's practical format. Mr. Qumar Abbas, President of RTLA, delivered a vote of thanks at the conclusion of the event.

Library Workshop at SKIT

ECA CELL ACTIVITIES

NEW CLUBS INTRODUCED

In the academic session 2024-2025, the Extra-Curricular Activities Cell introduced five new clubs, bringing the total number of clubs to 30. The new clubs are

The Sustainability Champions Club
The Sustainability Champions Club is typically a group or initiative to promote sustainability practices and raise awareness about environmental issues within an organization or community. Members often engage in educational workshops, community service projects, and sustainability challenges to encourage eco-friendly habits and promote a sustainable culture. The faculty coordinators are Mr. Pramod Jain, Mr. Arun Beniwal, and Mr. Vishnu Jangid.

Competitive Programming Club
Competitive Programming Club is focused on practicing and improving skills in competitive programming, which involves solving algorithmic and mathematical problems under time Constraints. Mr. Shirish Nagar is the faculty coordinator.

Linux Club
Linux Club aims to empower students through Collaboration & Skill-Building. Mr.Manoj Raman and Mr Praveen Yadav are the faculty coordinators.

Electric Vehicle Club
To enable the students to create a robust network of electric vehicle models and to foster research and skill development in the same field. Mr Ajay Dhanopia and Mr Dinesh Kumar Verma are the faculty coordinators.

Gaming & Animation Club
A professional club that aims to offer knowledge and training in 3D animation, augmented and virtual reality, gaming, and visual effects. Mr Ajay Dhanopia is the faculty coordinator.

BEST PERFORMER IN CLUBS AWARD

ECA has introduced a badge for the best-performing clubs based on maximum participation and activities conducted in a month. For September, the award for the best club went to the "Fine Arts & Crafts Club" coordinated by Dr. Nikita Sharma. For October, the Science and Technology Club, coordinated by Dr. Sharda Soni and

Mr Vinay Marwal received the award for having the highest number of activities and active participation. The students and coordinators were awarded by Prof. R.K. Jain, Dean, SKIT, Prof. S.L. Surana, Director (Academics), and ECA chief coordinator Dr. Aakriti Sharma and coordinator Ms Deepti Arela.

"Fine Arts & Crafts Club received the best club in September month

Science & Technologie club received the best club in October month

UNIVERSAL HUMAN VALUES AND ETHICS COMMITTEE

Event1: Tree Plantation Drive
In a commendable effort to promote environmental sustainability, the UHV & Ethics Committee of SKIT organized a plantation drive titled "Ek Ped Maa ke Naam" on the front lawns of the campus today. The event saw enthusiastic participation from students, faculty, and staff. The drive began with a brief opening ceremony where the committee highlighted the importance of tree planting in combating climate change and enhancing the campus environment. Following the ceremony, participants were provided

Tree Plantation Drive

with saplings of various native tree species. The UHV & Ethics Committee plans to continue such initiatives in the future, aiming to create a lasting impact on both the campus and the community. The successful execution of "Ek Ped Maa ke Naam" underscores SKIT's commitment to environmental sustainability and its role in fostering a greener future.

Event2 : Gandhi Jayanti Celebration

IOn the occasion of Mahatma Gandhi's birth anniversary, a grand ceremony was organized by the UHV Committee at SKIT on 2nd October. The highlight of the event was an elocution competition focused on the relevance of Gandhi's teachings in today's challenges. The ceremony commenced in the presence of Professor S.L. Surana, Academic Director Professor R.K. Jain, Dean, Professor B.L. Sharma, Dr. Nidhi Sharma, and Dr. Swati Arora. All speakers appreciated Gandhi's ideals and contributions, highlighting the significance of his thoughts in the current context. Various students participated in the competition, presenting their views on the relevance of Gandhi's teachings. All participants were gifted Gandhi's autobiography by the Chief Librarian, Mr. Bhincher. After the program, everyone pledged to embrace Gandhi's thoughts and follow his ideals.

Gandhi Jayanti Celebration

Event3: Hindi Diwas Celebration

Hindi Diwas was celebrated with great enthusiasm at SKIT on September 14. On this occasion, the UHV Committee organized a poetry recitation competition for students. Participants showcased their poetic talents and expressed their love for the Hindi language. The competition began at 12:30 PM, with many students presenting works by various Hindi poets. The event aimed to increase awareness and love for the Hindi language among students. After the competition, the winners were honored. Trophies were awarded to the students who secured the first, second, and third places. Professor Archana Saxena, Dr. Amit Jhalani, Shalini Singal, and Dr. Khushboo Bhardwaj appreciated the winners and highlighted the importance of the Hindi language. The program concluded with everyone collectively celebrating the significance and beauty of the Hindi language. This event demonstrated the deep enthusiasm and dedication of the students for the Hindi language.

Hindi Diwas Celebration

UNNAT BHARAT ABHIYAN CLUB

1. ENTREPRENEURSHIP AWARENESS PROGRAM

This was an entrepreneurship awareness program organized by UBA Club and E-Cell (TOPAZ) on Sept. 6, 2024, at Govt. school Malwa. The purpose of this event was to empower school students with knowledge and skills in entrepreneurship and technology.

2. SWACHHATA ABHIYAN & SPECIAL GRAM SABHA PROGRAM

The Special Gram Sabha program was organized by the UBA Club of SKIT on October 2, 2024, at the Gram Panchayat in Shivdaspura. The event aimed to promote community involvement in addressing key rural challenges such as sustainable development, education, health, livelihood improvement, and cleanliness as part of the Swachhata Abhiyan. As a component of this initiative, a village cleanliness drive was conducted. Volunteers, including children and elders, actively participated in cleaning public spaces.

Students of the UBA Club at Gram Panchayat

SKIT GRAMOTHAN CLUB

The SKIT Gramothan Club organized an event titled "Science Spark: Learning beyond Books" on October 2, 2024, at Netaji Subhash Chandra Bose Government School in Jagatpura. This event aimed to inspire curiosity and foster a love for science among students in Classes VI-VIII by showcasing engaging and

practical science projects. The initiative sought to enhance their understanding of scientific concepts beyond the classroom, promoting creativity and critical thinking. Overall, this event served as a platform for knowledge sharing and educational growth, leaving a positive impact on young minds. Dr. Kiran Rathi and Dr. Meenakshi Nawal coordinated the event.

Students of SKIT Gramothan Club at the Govt. School

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

ONE WEEK STUDENT WORKSHOP ON "BLOCKCHAIN & WEB 3.0"

A one-week student workshop on "Block chain & Web 3.0" was conducted under the auspices of the IQAC and PAQIC from September 10th to 14th, 2024. The workshop aimed to introduce participants to the fundamentals of block chain and Web 3.0, along with their applications. Throughout the workshop, participants gained an understanding of the key concepts and recent advancements in block chain and Web 3.0 technology. By the end of the program, attendees were expected to grasp the technologies that will shape future applications. They also learned about real-world implementations of block chain and Web 3.0 technologies and explored how cryptography has impacted our lives. The workshop sessions were led by Mr. Pranshu Rastogi, Head of Ecosystem and Integrations at Push Protocol in Jaipur, and Ms. Ishita Rastogi, Product Brand Manager at Gelato, also based in Jaipur. Ms. Priyanka Sharma, Assistant Professor (CSE), along with Mr. Pawan Kumar Patidar and Mr. Vikram Khandelwal, coordinated the workshop. Technical assistance was provided by Mr. Chaturbujh Choudhary.

Glimpses of the workshop

ONE WEEK STUDENT WORKSHOP ON "UNLOCKING THE POWER OF IOT"

A One Week Student Workshop was conducted on "Unlocking the power of IoT", under the aegis of IQAC & PAQIC, from 7th-11th October 2024. The Workshop was intended to introduce the fundamentals of IoT and its applications. Workshop sessions were taken by experts Mr Atul Kumar, New Product Development Manager, NESSCO, Mr. Nawal, and Mr Harsh Tenguriya, Technical Mentor. Mr. Atul and They provided a brief introduction to IoT, along with the various communication protocols. More emphasis was

given to the use of sensors and actuators followed by hands-on training on different microcontroller boards. The workshop was coordinated by Dr. S. Sarabjeet Singh Sethi, Ms. Priyanka Sharma (CSE), and Mr Dinesh Kumar. Technical assistance was supported by Mr. Chandan Singh Dhaked.

Glimpses of the workshop

Glimpses of the event

EXPERT LECTURE ON "INTRODUCTION TO CLOUD COMPUTING AND AI"

On October 4, 2024, a one-day expert lecture titled "Introduction to Cloud Computing" was held to introduce the fundamentals of Cloud Computing and Artificial Intelligence. The event began with a warm welcome for Mr. Udayan Jain by Dr. Mehul Maharishi, Head of the Department of Computer Science and Engineering (CSE), who introduced Mr. Jain to the students and faculty. The lecture was coordinated by Dr. Niketa Sharma and Dr. Yogendra Kumar Gupta. The session officially started with a welcome to Mr. Jain on behalf of the CSE Department, followed by Prof. Mehul Maharishi expressing appreciation for Mr. Jain's participation on behalf of SKIT.

Faculty with the expert speaker Mr. Udayan Jain

EXPERT LECTURE ON "EXPLAINABLE AI: HUMAN UNDERSTANDING"

The Department of Computer Science & Engineering organized an Expert Lecture titled "Explainable AI: Human Understanding" at JC Bose Auditorium on 24/09/24. The programme aimed to explore the critical intersection of explainable AI and human understanding. As AI systems become increasingly complex, ensuring transparency and interpretability is essential for fostering trust and enabling effective human-AI collaboration. Esteemed speaker Dr Chandra Prakash, SVNIT Surat, Gujarat told the importance of AI and also took a hands-on session. We appreciate the active participation of the students.

BOOK CHAPTERS PUBLISHED

BOOK   :   Challenges in Quantum Electronics and Machine Computing
AUTHOR/S   :   Loveleen Kumar, RVV Krishna, S Radhakrishnan, Yudhishther Singh Bagal
BOOK CHAPTER   :   Machine Learning-Driven Optimization of Battery Materials via Quantum Computing, pp-123-139, 2024
PUBLISHER   :   IGI Global

BOOK   :   Quantum Networks and Their Applications in AI
AUTHOR/S   :   K. Praveen Kumar, Krishnan Bandyopadhyay, S. B. G. Tilak Babu, Anil Kumar, Sunil Singarapu, Rajesh Rajaan
BOOK CHAPTER   :   QIoT: Fusing Quantum Networks and AI for Smart Systems Addressing Back Pain, pp 289-306, 2024
PUBLISHER   :   IGI Global

BOOK   :   Quantum Networks and Their Applications in AI
AUTHOR/S   :   Loveleen Kumar, S. B. G. Tilak Babu, Manesh R. Palav, Anil Kumar, Vikas V. Pawar, Chigurupati Ravi Swaroop
BOOK CHAPTER   :   Boosting Inference and Decision Making in Edge AI Networks through Quantum Computing and Collective Dynamics of 'Small-World' Networks, pp-98-113, 2024
PUBLISHER   :   IGI Global

BOOK   :   6G Security Education and Multidisciplinary Implementation
AUTHOR/S   :   Binay Kumar Pandey, Mukundan Appadurai Paramashivan, Digvijay Pandey, A.Shaji George, Ashi Agarwal, Pankaj Dadheech, Darshan A. Mahajan
BOOK CHAPTER   :   A Recent Survey on 6G Vehicular Technology: Applications and Challenges pp. 337-350
PUBLISHER   :   IGI Global

PUBLISHER   : IGI Global
BOOK   : Security Issues and Solutions in 6G
                    Communications and Beyond
AUTHOR/S   : Digvijay Pandey, Sumeet Goyal, Kallol
                    Bhaumik, Sonia Suneja, Manvinder Sharma,
                    Pankaj Dadheech
BOOK CHAPTER : A Systematic Review of Security Issues in 6G
                    Networks and Communication, pp. 1-11

BOOK PUBLISHED

TITLE   : Real-Time Data Decisions with AI and
                    ChatGPT Techniques
AUTHOR/S   : Priyanka Sharma, Monika Jyotiyana, and
                    A.V. Senthil Kumar
PUBLISHER   : IGI Global

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

TITLE   : A Study to Explore the Altered State of
                    Consciousness Using Brain-Computer
                    Interface (BCI)
AUTHOR/S   : Pradeep Kumar Sharma, Pankaj Dadheech,
                    Mukesh Kumar Gupta
PROCEEDING : ICE-TEAS 2024. Lecture Notes in Networks
                    and Systems, Vol. 1037, pp. 325-334, 2024.
                    Springer, Published: 16 September 2024

TITLE   : Enhancing Medical Image Super-resolution
                    through Generative Adversarial Networks
                    and Transformer-based Joint Feature
                    Learning
AUTHOR/S   : R. Balamanigandan, R. Mahaveerakannan,
                    R. Yuvarani, Pankaj Dadheech, Sanwta Ram
                    Dogiwal, Chour Singh Rajpoot, Digvijay
                    Pandey
PROCEEDING : Artificial Intelligence and Information
                    Technologies, Proceedings of the 1st
                    International Conference on Artificial
                    Intelligence and Information Technologies
                    3–4 November 2023, Samarkand, Uzbekistan,
                    Volume 2, pp. 1-5, CRC Press. Published: 31st
                    July, 2024.

TITLE   : Accuracy Analysis of Text Detection and
                    Recognition for Natural Scene Images using
                    Deep Learning Model Compared over CNN
AUTHOR/S   : R. Mahaveerakannan, R. Balamanigandan,
                    K. Sudhakar, Pankaj Dadheech, Sanwta Ram
                    Dogiwal, Vinod Patidar, Digvijay Pandey

PROCEEDING   : Artificial Intelligence and Information Technologies, Proceedings of the 1st International Conference on Artificial Intelligence and Information Technologies 3–4 November 2023, Samarkand, Uzbekistan, Volume 2, pp. 1-5, CRC Press. Published: 31st July, 2024.

FDPs ATTENDED

TITLE   : Financial Education a Life Skills Under NEP 2020
DATE   : 09/07/2024 to 13/07/2024
ATTENDED BY   : Pankaj Dadheech
ORGANIZED BY   : Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur in association with Bulls and Bears Associates

TITLE   : Outcome-based Education Implementation and Best Practices
DATE   : 01/07/2024 to 05/07/2024
ATTENDED BY   : Pankaj Dadheech
ORGANIZED BY   : ICFAI University, Jaipur

TITLE   : Patent Filing and Prior Art Search Mechanisms: A Practical Approach
DATE   : 21/09/2024
ATTENDED BY   : Pankaj Dadheech
ORGANIZED BY   : Scheme for Transformational and Advanced Research in Sciences (STARS), Ministry of Education, Indian Institute of Science, IISc Campus, Bangalore

M.TECH. SUPERVISED

DISSERTATION TOPIC   : Design and Classification of Cardiovascular Arrhythmia ECGs Using Deep Learning
NAME OF STUDENT   : Anjana Kumari
GUIDED BY   : Pankaj Dadheech

SESSION CHAIRED

SESSION ON   : Advanced Innovation Augmented with Intelligent Analytics
CHAIRED BY   : Pankaj Dadheech
DATE & VENUE   : 13th September 2024, "4th International Convention on Green Environment, Technology & Entrepreneurship through Innovation (ICGETEI-2024)", Amity University, Jaipur.

EXPERT TALK DELIVERED

TITLE   : Big Data Analytics for IoT
DATE & VENUE   : 13th-17th August 2024, FDP on "Developing Potentials- Emerging Technologies of Computer Science" at Sri Balaji College of Engineering & Technology, Jaipur, Rajasthan
DELIVERED BY   : Pankaj Dadheech

TITLE   : Future of Generative AI
DATE & VENUE   : 13th July 2024, International Workshop on "Generative AI" facilitated by World Resources Webinar, World Economic Forum
DELIVERED BY   : Pankaj Dadheech

ENGINEERING INNOVATIONS IN (CSE)

AI-DRIVEN DRUG DISCOVERY
In 2024, AI algorithms have significantly accelerated drug discovery processes, identifying potential therapeutic compounds in a fraction of the traditional time. This advancement holds promise for rapidly developing treatments for various diseases.

practical guidance on using tools and techniques for effective agile implementation, emphasizing their role in enhancing team collaboration and project tracking. The session was coordinated by Ms. Nikhar Bhatnagar and Ms. Sanju Chaudhary from the IT department.

Glimpses of Event

ONE WEEK VIRTUAL FDP ON PHP & MYSQL

A week-long virtual Faculty Development Program (FDP) was jointly organized by Spoken Tutorial, IIT Bombay, the Department of Computer Science & Engineering, and the Department of Information Technology. The program aimed to provide practical exposure to PHP and MySQL, exploring research opportunities and challenges within these technologies. Participants gained insights into the current state of research and practices in PHP and MySQL. A total of 73 participants from SKIT registered for the event.

FDPs ATTENDED

TITLE   :   Artificial Intelligence and Optimisation
                     Techniques using MATLAB
DATE   :   07- 11 October 2024
ATTENDED BY   :   Ms. Nikhar Bhatnagar, Ms. Sanju Chaudhary,
                     Ms Shalini Singhal
ORGANIZED BY   :   NITTTR Chandigarh & Swami Keshvanand
                     Institute of Technology, Management and
                     Gramothan, Jaipur

TITLE   :   "Five Days International Virtual FDP on
                     "Exploring New Frontiers in Teaching Tools,
                     AI, and Data Analytics"
DATE   :   29/7/24 to 2/8/24
ATTENDED BY   :   Dr. Saroj Agrawal, Dr. Priyanka Yadav
ORGANIZED BY   :   MEASI Institute of Information Technology,
                     Royapettah, Chennai

TITLE   :   Ethics & Integrity in Management Practices"
DATE   :   22/7/24 to 26/7/24
ATTENDED BY   :   Dr. Saroj Agrawal, Dr. Priyanka Yadav,
                    Ms. Nikhar Bhatnagar, Mr. Naveen Jain
ORGANIZED BY   :   Sushant University, Gurugram, India.

TITLE   :   PHP and MySQL
DATE   :   8-12 July 2024
ATTENDED BY   :   Dr. Priyanka Yadav, Dr. Saroj Agarwal,
                    Ms. Nikhar Bhatnagar, Ms Shalini Singhal
ORGANIZED BY   :   Spoken Tutorial Project, IIT Bombay.

TITLE   :   Five Days International FDP on "Full Stack
                    Data Science Generative AI"
DATE   :   19-23 August 2024
ATTENDED BY   :   Ms. Nikhar Bhatnagar
ORGANIZED BY   :   Madanapalle Institute of Technology &
                    Science, Madanapalle

TITLE   :   Online FDP on Cryptography and Network
                    Security
DATE   :   16-19 September 2024
ATTENDED BY   :   Ms.Ritu Shukla
ORGANIZED BY   :   NITTTR, Chandigarh.

AWARDS RECEIVED

TITLE   :   Shiksha Ratan Award
DATE   :   5-9-2024
ATTENDED   :   Mr. Naveen Jain, Ms. Shalini Singhal
ORGANIZED BY   :   Ridhi Sidhi Mandal, Bharatiya Janata Party

PAPERS PRESENTED/PUBLISHED IN CONFERENCES

TITLE   :   "Digital Age Cyber Security for Addressing
                    Challenges and Exploring New Technologies"
AUTHOR/S   :   Dr. Saurabh Shandilya, Jameel Ahmed
                    Qureshi, Shalini Singhal, Kamlesh Gautam,
                    Devendra Kumar Somwanshi, Vaibhav
                    Pradhan
CONFERENCE   :   2nd International Conference on Pervasive
                    Computing Advances and Applications
                    (PerCAA-2024)

KEEP CALM AND BE THE BEST

DEPARTMENT OF MECHANICAL ENGINEERING

EXPERT TALK ON "MATERIALS CHARACTERIZATION IN THE AGE OF 3D PRINTING"

The Department of Mechanical Engineering at Swami Keshvanand Institute of Technology, Management and Gramothan (SKIT) hosted an insightful expert talk titled "Challenges in Materials Characterization in the Age of 3D Printing," delivered by Prof. Nikhil Gupta, a distinguished professor from the Mechanical and Aerospace Engineering Department at New York University, USA. The event took place on August 8, 2024, providing a valuable opportunity for students and faculty members to gain deeper insights into the evolving field of 3D printing and the challenges related to materials characterization. Prof. Gupta shared his extensive knowledge and research findings, highlighting advancements in the field, current hurdles, and prospects.

The event began with a warm welcome from Prof. Dheeraj Joshi, the Head of the Mechanical Engineering Department, who expressed his gratitude for Prof. Gupta's presence and underscored the importance of expert interactions in enhancing the institution's academic and research capabilities. The program was coordinated by Dr. Deepak Kumar and Mr. Praveen Saraswat. It concluded with a vote of thanks from Prof. Joshi, who appreciated Prof. Gupta and all participants for their active involvement. Overall, the talk was a success, enriching the academic discourse on 3D printing at SKIT.

Glimpses of the event

ATTENDED BY	:	Prem Singh, Achin Srivastav, Brij Mohan Sharma, Vinay Singh Marwal
ORGANIZED BY	:	SKIT, Jaipur

TITLE	:	Electric Vehicles: Tribology and Additive Manufacturing.
DATE	:	23 to 27 July 2024.
ATTENDED BY	:	Raj Kumar
ORGANIZED BY	:	VIT-AP.

TITLE	:	Advance Antenna Technologies for Sensing and Imaging Applications.
DATE	:	2 to 6 September 2024.
ATTENDED BY	:	Nitin Goyal
ORGANIZED BY	:	ICFAI TECH, IFHE HYDERABAD

TITLE	:	One Week National Level FDP on "Project Management in the Digital Age"
DATE	:	9 to 14 September, 2024
ATTENDED BY	:	Sudesh Garg, Sanjay Bairwa, Prem Singh, Madhukar Kumar
ORGANIZED BY	:	Dept. of Mechanical Engineering of Sanjay Gandhi Polytechnic, Ballari.

TITLE	:	Ergonomic Product Design
DATE	:	9 to 13 September, 2024
ATTENDED BY	:	Sumita
ORGANIZED BY	:	NITTTR

TITLE	:	Institutional Management and Academic Administration
DATE	:	5 to 9 August, 2024
ATTENDED BY	:	Sumita
ORGANIZED BY	:	NITTTR

TITLE	:	Mechanical Behaviour of Advanced Materials
DATE	:	23 to 27 September, 2024
ATTENDED BY	:	Vikash Gautam, Sudesh Garg, Prem Singh, Achin Srivastav, Brij Mohan Sharma, Madhukar Kumar
ORGANIZED BY	:	Jeppiaar Institute of Technology, Sriperumbudur, Chennai

TITLE	:	Ethical Issues in Research Writing
DATE	:	11 to 16 September, 2024
ATTENDED BY	:	Prem Singh, Achin Srivastav, Vikash Gautam, Brij Mohan Sharma
ORGANIZED BY	:	Regional College for Education Research and Technology, Jaipur

TITLE	:	Progress in Mechanical Engineering
DATE	:	14 to 19 October, 2024

ATTENDED BY	:	Vikash Gautam, Deepak Kumar,
		Sanjay Bairwa, Vinay Singh Marwal,
		Saurabh Gupta
ORGANIZED BY	:	SRMIST, Chennai

TITLE	:	Engineering Application of Machine Learning
DATE	:	15 to 19 July, 2024
ATTENDED BY	:	Deepak Kumar
ORGANIZED BY	:	SRM University Delhi NCR, Sonepat
		(Haryana), India.

TITLE	:	Artificial Intelligence and Optimization
		Techniques using MATLAB.
DATE	:	7 to 11 October, 2024
ATTENDED BY	:	Sanjay Bairwa, Brijmohan Sharma,
		Arun Beniwal
ORGANIZED BY	:	SKIT, Jaipur

ENGINEERING INNOVATIONS IN (ME)

Autonomous Construction Robots

In 2024, autonomous robots capable of performing complex construction tasks have been introduced, enhancing efficiency and safety in the construction industry. These robots can operate in hazardous environments, reducing the need for human presence in dangerous conditions.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

EXPERT LECTURE DELIVERED

Professor Shiban Kishen Koul, an Honorary Professor at IIT Delhi was invited for an expert talk on Transmission Lines for High speed/High-frequency Integrated Circuits on 21 August 2024. Expert Dr. SK Kaul, Professor, IIT Delhi shared his experiences and told the participants how to plan a roadmap to build a career in IC fields. The expert made the session interactive by sharing his valuable insights, suggesting that students work hard to reach their goals, and researching how the developed technology will impact society. Dr. Mukesh Arora HOD, ECE Dr. PK Jain Deputy Head, ECE, Dr. Neelam Chaudhary Branch Counselor IEEE Student Branch, and many faculty members attended the session.

Expert Talk by Mr. Kaul

THREE-DAY STUDENT WORKSHOP ON PCB DESIGNING AND FABRICATION

The Center of Excellence (CoE) in Antenna, Microwave, and RF Engineering organized a three-day student workshop on PCB design and Fabrication. This event took place from September 26 to September 28, 2024, at Swami Keshvanand Institute of Technology, Management and Gramothan (SKIT) and was guided by several esteemed faculty members.

processes, technologies, and management practices. This experience aimed to enhance their understanding of the theoretical concepts learned in lectures. The students gained practical insights into the R&D processes in the electronics sector, understood the importance of innovation in driving technological advancement, and recognized the impact of research institutes like CEERI in national development and industry support.

BOOK CHAPTERS PUBLISHED

BOOK : Springer Tracts in Electrical and Electronics Engineering
AUTHOR/S : Praveen Kumar Jain, Abhinandan Jain, Neeraj Jain, Lalit Kumar Lata
BOOK CHAPTER : Resistive-Gate Field-Effect Transistor: A Potential Steep-Slope Device, pp. 291-305, 2024
PUBLISHER : Springer.

BOOK : Nanoscale Semiconductor Devices Fundamentals and Applications
AUTHOR/S : Praveen Kumar Jain
BOOK CHAPTER : Recent Trends in Perovskite-Based Solar Cells, pp. 233-257, 2024
PUBLISHER : Central West Publishing

FDPs ATTENDED

TITLE : PHP and My SQL
DATE : 8 to12 July, 2024
ATTENDED BY : Rukhsar Zafar, Swati Arora, J P Vijay, Neeraj Jain, Suman Sharma, Priyanka Sharma, Mamta Jain, Rajni Idiwal, Rahul Pandey, Harshal Nigam
ORGANIZED BY : Spoken Tutorial

TITLE : RCNMCT
DATE : 9 to 14 September, 2024
ATTENDED BY : Harshal Nigam
ORGANIZED BY : Koneru Lakshmaiah Education Foundation, Guntur.

TITLE : FMRIE
DATE : 25 July to 8 August, 2024
ATTENDED BY : Harshal Nigam
ORGANIZED BY : Sri Sairam Engineering College

TITLE : Recent Trends in Wireless Communications and Networks
DATE : 23 to 27 July, 2024
ATTENDED BY : Shubhi Jain
ORGANIZED BY : VIT-AP University

TITLE	:	Fourier series and Fourier Transform
DATE	:	12 to 17 August 2024
ATTENDED BY	:	Gloria Joseph
ORGANIZED BY	:	Anant Gyan

TITLE	:	IoT and Embedded System
DATE	:	24 to 27 September 2024
ATTENDED BY	:	Neeraj Jain
ORGANIZED BY	:	NITTTR

DEPARTMENT OF ELECTRICAL ENGINEERING

Ph.D. AWARDED

THESIS TITLE	:	Investigation of Resistive Switching Characteristics of Metal Oxide Memory Devices
Ph.D. AWARDED TO	:	Lalit Lata
SUPERVISED BY	:	Praveen Kumar Jain
INSTITUTE	:	Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
YEAR	:	2024

PATENTS PUBLISHED

TITLE	:	A Device for Soldering Electronic Components by Reflow Soldering Technique and the Process Thereof
NAME	:	Kiran Rathi, Pooja Chaudhary
PATENT FILED DATE	:	Application No. 202011044614; 13 October 2020
PATENT PUBLISHED DATE	:	24 September, 2024

EXPERT LECTURE ORGANIZED

TOPIC	:	ISRO'S Chandrayaan Missions and Microwave Remote Sensors: An Expedition to Space"
SPEAKER	:	Ms. Harshita Tolani, Scientist & RF Engineer, Space Applications Centre, Ahmedabad, ISRO
DATES	:	23 August 2024

FACULTY ACHIEVEMENTS/AWARDS

AWARD TITLE	:	Vice-Chairperson
NAME	:	Monika Mathur
ORGANISATION	:	IETE Rajasthan section
DURATION	:	2024-26

AWARD TITLE	:	SIKSHA RATNA
NAME	:	Kiran Rathi
ORGANISATION	:	Bhartiya Janta Party
DURATION	:	2024

STUDENT WORKSHOP ON "ELECTRIC VEHICLE TECHNOLOGIES"

Professor Shiban Kishen Koul, an Honorary Professor at IIT Delhi was invited for an expert talk on Transmission Lines for High speed/High-frequency Integrated Circuits on 21 August 2024. Expert Dr. SK Kaul, Professor, IIT Delhi shared his experiences and told the participants how to plan a roadmap to build a career in IC fields. The expert made the session interactive by sharing his valuable insights, suggesting that students work hard to reach their goals, and researching how the developed technology will impact society. Dr. Mukesh Arora HOD, ECE Dr. PK Jain Deputy Head, ECE, Dr. Neelam Chaudhary Branch Counselor IEEE Student Branch, and many faculty members attended the session.

Student Workshop at the Electrical Dept.

The Electrical Engineering Department at SKIT, in collaboration with the IE Student Chapter, successfully conducted a six-day workshop on "Electric Vehicle Technologies" from 14th to 19th October 2024. Practical training sessions were delivered by an industry expert from Technos Center of Excellence, allowing students to gain real-world skills in electric vehicles and Industry 4.0 technologies. Dr. Sarfaraz Nawaz. The head of the Department inaugurated the workshop. During the event, Deputy Head Mr. Vikas Mahala highlighted that electric vehicles will play a crucial role in meeting future energy demands. The workshop convener, Dr. Prateek Kumar Singhal, mentioned that students had the latest technical knowledge and practical training. Coordinators Mr Tarun Naruka and Mr Deepak Saini played a significant role in organizing the workshop.

DEPARTMENT OF CIVIL ENGINEERING

STUDENT WORKSHOP ON STRUCTURAL ANALYSIS AND DESIGN

A five-day student workshop on Structural Analysis and Design was organized by the Department of Civil Engineering at Swami Keshavanand Institute of Technology, Management and Gramothan, Jaipur from 9 to 13 September 2024. The workshop drew participation from 30 enthusiastic students eager to enhance their structural analysis & design proficiency from final and pre-final year civil engineering graduates. During the workshop, students were taught the techniques of earthquake-resistant building design. Dr. Sunita Tolani, Assistant Professor, served as the workshop coordinator, and Ankur Mishra, Assistant Professor, played the role of organizing secretary.

Student Workshop at Civil Department

PAPERS PRESENTED IN CONFERENCES

TITLE   :   Experimental investigation on the effect of
                   cement type on the usage of ceramic waste as
                   fine aggregate in mortars
AUTHOR/S   :   Abhishek Jain
CONFERENCE   :   5th International Conference on Trends and
                   Recent Advances in Civil Engineering (TRACE
                   2024), Amity University, Uttar Pradesh, India

FDPs ATTENDED

TITLE   :   Subsurface Exploration: Importance and
                   Techniques Involved
DATE   :   July to September, 2024
ATTENDED BY   :   Pooja Gupta
ORGANIZED BY   :   NPTEL

TITLE : Advanced Materials and Techniques for the Repair and Strengthening of Concrete Structures
DATE : 23 to 27 September, 2024
ATTENDED BY : Gaurav Gupta, Pooja Gupta and Pooja Jain
ORGANIZED BY : R.V.R & J.C. College of Engineering, Andhra Pradesh

TITLE : Financial Education and Life Skills under NEP 2020
DATE : 09- 13 July 2024
ATTENDED BY : Pooja Jain, Jitendra Kumar Vyas, Kishal Lal Jain, Akash Johari, Pooja Gupta, Sunita Tolani
ORGANIZED BY : Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur

TITLE : PHP and MySQL
DATE : 08-12 July 2024
ATTENDED BY : Pooja Gupta
ORGANIZED BY : Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur

WORKSHOPS ATTENDED

TITLE : Field-Oriented Challenges in Civil Engineering
DATE : 5 to 9 August, 2024
ATTENDED BY : Pooja Jain, Pooja Gupta and Sunita Tolani
ORGANIZED BY : NIT Jamshedpur

WORKSHOPS ORGANIZED

TITLE : ETABS: Building Analysis and Design
DATE : 09 - 13 September, 2024
ORGANIZED BY : Ankur Mishra and Sunita Tolani

NPTEL / mooKIT/ IITBX / SWAYAM COURSE COMPLETED

COURSE/ TOPIC : Subsurface Exploration: Importance and Techniques Involved
COMPLETED BY : Pooja Gupta
DURATION & CATEGORY : July to September 2024 (8 -week). Awarded Silver Certificate (Topper 5%)

PAPERS REVIEWED IN CONFERENCES

REVIEWER NAME : Abhishek Jain and Pooja Gupta
DATE & VENUE : 15 to 16 October 2024, Amity University, Uttar Pradesh, India
CONFERENCE : 5th International Conference on Trends and Recent Advances in Civil Engineering (TRACE-2024)

EXPERT TALK DELIVERED

TITLE : Repair and Maintenance of Buildings
DATE & VENUE : 31 July 2024. Engineering Staff Training Institute, Jaipur
DELIVERED BY : Rakesh Choudhary

TITLE : Advanced Concrete Technology
DATE & VENUE : 26 September 2024. At Engineering Staff Training Institute, Jaipur
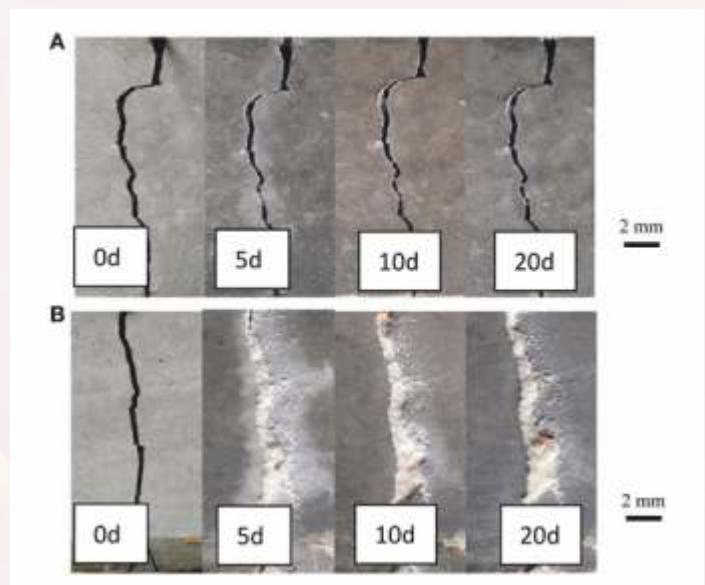DELIVERED BY : Rakesh Choudhary

TITLE : Advanced Concrete Technology
DATE & VENUE : 17 October 2024. At Engineering Staff Training Institute, Jaipur
DELIVERED BY : Rakesh Choudhary

ENGINEERING INNOVATIONS (CE)

SELF-HEALING CONCRETE
The development of self-healing concrete has progressed, with materials that can autonomously repair cracks, extending the lifespan of structures and reducing maintenance costs. This innovation enhances the durability and sustainability of infrastructure projects.

Dignitaries at the orientation Ceremony of the Dept. of Management Studies

EXPERT LECTURE ON FINTECH INNOVATIONS AND THEIR EFFECT ON MARKETING AND FINANCIAL STRATEGIES

The Department of Management Studies at SKIT, Jaipur, hosted an insightful guest lecture on "Fintech Innovations and Their Effect on Marketing and Financial Strategies" on September 25, 2024. CA Parth Jhanwar, Director of Wealth Pyramid Private Limited, shared his expertise on how Fintech is transforming the business landscape, particularly in marketing and financial operations. CA Jhanwar discussed the evolution of Fintech, highlighting disruptive technologies such as blockchain, artificial intelligence, and robo-advisory services. He illustrated how these innovations are driving marketing through digital channels and data analytics, providing examples from industry leaders like Paytm and Google Pay. Additionally, he examined the impact of automation and digital wealth management on financial strategies, emphasizing the importance of Fintech in promoting financial inclusion. Students gained valuable insights into the applications of Fintech, the regulatory landscape, and future career opportunities in finance.

Expart talk by CA Parth Jhanwar

FIESTA PARTY

The Department of Management Studies hosted a vibrant fresher party on 5th October 2024, providing a great opportunity for first-semester students to connect and begin their academic journey with enthusiasm. The new entrants thoroughly enjoyed the fresher party and gave mesmerizing performances. Dr. Ajay Verma coordinated the event.

Fiesta Party

There is a reason why I keep it all inside.

STOP SAYING "I WISH", START SAYING "I WILL".

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

DEPARTMENT OF ENGLISH

STUDENT WORKSHOP ON 'THE ART OF COMMUNICATION'

The Department of English at Swami Keshvanand Institute of Technology, Jaipur, is organizing a five-day workshop titled "The Art of Communication," from October 14th to 18th, 2024. This workshop aims to cover the dynamics of effective communication such as Public Speaking, speaking at formal and informal events, addressing a difficult audience, impromptu speaking, and anchoring formal and informal events. The facilitator is Ms Bhawna Sugandha who has sixteen years of experience in the field of corporate training. Ms. Bhawna will also be including essential topics such as leadership, professional communication, personal branding, goal setting (both short-term and long-term), demonstrating professionalism, and developing essential soft skills in the due course of this workshop. The event is being inaugurated by coordinators Dr. Neha Purohit, Dr. Nidhi Sharma, and Dr. Khushbu Bhardwaj, who extended a warm welcome to the guest speaker, Ms. Bhawna Sugandha.

Student Workshop

WORKSHOPS ATTENDED

TITLE	:	Workshop on Research Methodology
DATE	:	08-13 July, 2024
ATTENDED BY	:	Neha Purohit, Sheeba Anjum, and Mahima Meena
ORGANISED BY	:	University of Rajasthan

DATE   : 9-13 July 2024
VENUE   : Department of Management Studies,
                        SKIT, Jaipur
ATTENDED BY : Vivek Vijay

TITLE   : FDP on Essential Skills for Professional
                        Development in Higher Education
DATE   : 1-7 July 2024
VENUE   : Star International Foundation for Research and
                        Education
ATTENDED BY : Vivek Vijay

NPTEL COURSES COMPLETED

COURSE/ TOPIC   : Matrix Analysis with Applications
COMPLETED BY   : Vivek Vijay
DURATION & CATEGORY : (July- September) 8 weeks,
                                 Awarded Silver Certificate

COURSE/ TOPIC   : Introduction to Abstract Group
                                 Theory
COMPLETED BY   : Vivek Vijay
DURATION & CATEGORY : (July- September) 8 weeks,
                                 Awarded Elite Certificate

PAPER PRESENTED IN CONFERENCES

TITLE   : "Computational Frameworks for EMHD flow
                        of Double Stratified Cobalt Ferrite layered
                        Maxwell Nano liquid flow over an
                        exponentially stretching surface: non-Fourier
                        Fluxes theory"
AUTHOR   : Sumit Gupta
CONFERENCE   : 2nd International Conference on "Recent
                        Advances in Applied Mathematics",
                        organized by the Department of
                        Mathematics, IIT BHU, Varanasi,
                        from 3-5 July 2024.

Never retreat
Never explain
Get it done and
let them howl.
-Benjamin Jowett

PAPERS PUBLISHED IN JOURNAL

TITLE : Assessment of Water Quality of Textile Effluent and Its Treatment Using Banana Peel

AUTHOR/S : Poonam Ojha, Swati Joshi

JOURNAL : Ecology Environment & Conservation, Vol. 30 (July Suppl. Issue), pp.S199-S203, 2024

PAPERS PRESENTED IN CONFERENCES

TITLE : Synthesis, Characterization and Biological Evaluation of Some Amino-oxy Substituted Pyrazole Derivatives

AUTHOR/S : Swati Joshi

CONFERENCE : International Symposium on Frontiers in Sustainable Catalysis and Organometallics 2024 MNIT, Jaipur, 11 -12 July, 2024

TITLE : Treatment of Textile Effluents from Industrial Waste Water Using Banana Peel

AUTHOR/S : Poonam Ojha

CONFERENCE : International Symposium on Frontiers in Sustainable Catalysis and Organometallics 2024 MNIT, Jaipur, 11- 12 July, 2024

STAY POSITIVE EVEN WHEN IT FEELS LIKE YOUR WHOLE WORLD IS FALLING APART

DEPT. OF ELECTRONICS & COMMUNICATION

TITLE : A Novel Dual-Band Defected Round Structure Wearable Microstrip Patch Antenna for Breast Tumour Detection in Biomedical Applications

AUTHOR/S : Pallav Rawal

JOURNAL : Engineering Research Express, Vol. 6; Issue 3 (2024) pp. 1-13

TITLE : Nano rods-embedded Ring Resonator-based Plasmonic Sensor for Adulteration Detection in Honey Products

AUTHOR/S : Rahul Pandey, Rukhsar Zafar

JOURNAL : Plasmonics, (27 August 2024) pp. 1-11

DEPT. OF COMPUTER SCIENCE & ENGINEERING

TITLE : Differentially Processed Optimized Collaborative Rich Text Editor

AUTHOR/S : Nishtha Jatana, Mansehej Singh, Charu Gupta, Geetika Dhand, Shaily Malik, Pankaj Dadheech, Nagender Aneja, Sandhya Aneja

JOURNAL : Multimedia Tools and Applications, Vol. 83, Issue 22, pp. 1-16, 2024

DEPARTMENT OF MATHEMATICS

TOPIC : Fractional Calculus of Extended Wright Function with Beta Operator

AUTHOR/S : Pramila Kumawat, Sangeeta Choudhary

JOURNAL : Journal of Applied Mathematics and Statistical Analysis, HBRP publication

TOPIC : Solution of Fractional Differential Equations Involving Hilfer-Hadamard Fractional Derivatives

AUTHOR/S : Sangeeta Choudhary

JOURNAL : Indian Journal of Science and Technology

DEPARTMENT OF MECHANICAL ENGINEERING

TITLE : Leveraging digital technologies for advancing circular economy practices and enhancing life cycle analysis: A Systematic Literature Review.
AUTHOR/S : Dharmendra Hariyani
JOURNAL : Waste Management Bulletin, Vol. 2; Issue 3; (2024) pp. 69-83.

TITLE : Causes of Organizational Failure: A Literature Review
AUTHOR/S : Dharmendra Hariyani, Poonam Hariyani, Sanjeev Mishra, Milind Kumar Sharma
JOURNAL : Social Sciences & Humanities Open, Vol. 10; (2024) pp. 101-153.

TITLE : Enhancing Wear Resistance of Aluminum 6061 Composites with Fly Ash: A Sustainable Approach for Industrial Applications
AUTHOR/S : Raj Kumar
JOURNAL : Advances in Mechanical Engineering, Vol. 16; Issue 10; (2024) pp. 1-11.

TITLE : Stakeholders' Perspectives and Performance Outcomes of Sustainable Market-Focused Manufacturing Systems in Indian Manufacturing Organizations.
AUTHOR/S : Dharmendra Hariyani
JOURNAL : Advances in Mechanical Engineering, Vol. 13; (2024).

THE POWER OF VULNERABILITY: EMBRACING AUTHENTIC CONNECTIONS

In a world that often values strength, resilience, and self-sufficiency, vulnerability is frequently perceived as a weakness. Yet, embracing vulnerability can lead to deeper connections, greater creativity, and a more authentic existence. Understanding the power of vulnerability can transform our relationships and our perception of ourselves.

-----The Misconception of Vulnerability

Vulnerability is commonly associated with exposure to harm or judgment. Many people believe that to be vulnerable means to be weak, to open oneself up to potential rejection or pain. This misconception often leads to emotional walls, preventing genuine connections with others. However, vulnerability is not about oversharing or being emotionally unstable; it's about showing up as your true self, imperfections and all.

-----The Courage to Be Real

Brené Brown, a researcher on vulnerability and shame, argues that true courage lies in being vulnerable. When we allow ourselves to be seen—flaws, fears, and all—we invite others to do the same. This act fosters trust and intimacy, allowing relationships to deepen. Authentic connections are built on the foundation of openness, where individuals feel safe to express their true thoughts and emotions.

----Creativity and Innovation

Vulnerability is not limited to personal relationships; it also plays a critical role in creativity and innovation. Great art, literature, and scientific breakthroughs often arise from a willingness to take risks and embrace uncertainty. When creators expose their vulnerabilities, they can connect with their audience on a deeper level. This connection often resonates more powerfully than polished perfection.

----The Path to Growth

Embracing vulnerability can also be a pathway to personal growth. By confronting fears and acknowledging insecurities, individuals can break free from limiting beliefs and patterns. This self-awareness fosters resilience, enabling people to navigate life's challenges with greater ease. It encourages a mindset of growth, where failure is seen as a learning opportunity rather than a setback.

----Building a Culture of Acceptance

To harness the power of vulnerability, we must cultivate environments—both personally and professionally—that promote acceptance and understanding. Encouraging open dialogues about emotions, fears, and failures can help dismantle the stigma surrounding vulnerability. When leaders and communities model vulnerability, they create safe spaces for others to express their authentic selves.

----Conclusion

Vulnerability is a powerful catalyst for connection, creativity, and personal growth. By redefining our perceptions and embracing our imperfections, we can forge deeper relationships and foster an environment where authenticity thrives. In a world that often prioritizes strength, choosing to be vulnerable may be the bravest act of all. By opening ourselves to the richness of vulnerability, we invite more love, understanding, and innovation into our lives.

ARVIND KATARIA
B.TECH I YEAR

THOUGHT-PROVOKING ARTICLE

Together we grow! Do we? Can this statement be a Substantial fact? Or does this seem to be ironically contradicting everything we experience in our day-to-day lives?

We should approach this in a manner, that it doesn't seem like a 'preaching speech' completely detached from reality.

We surely do grow, amongst people who remind us of the silver lining on the dark days, who plant seeds of hope in despair, who lend us a new perspective to a hard situation or maybe give life to the emotions we suppressed.

These people are a breeze of air on a hot summer day. They are simply the personification of shade.

Sometimes our mind becomes unclear, with doubts and random thoughts that simply eat us up on the inside. At moments like these, a simple reminder of their existence holds our back straight.

and random togetherness will only lead you into the same pit-hole as everyone else.
To put it all together,

Seldom do you learn to use weapons with a shepherd, to learn the art of war, you must first attain the togetherness of a warrior!

IQRA HUSSAIN
D. PHARMA I YEAR

Poem

In quiet woods where whispers flow,
We gather strength like roots entwined,
Through trials faced, our spirits glow,
In unity, our hearts aligned.

With every step on paths we trace,
The sun breaks through the trees above,
In shared embrace, we find our place,
Together, nurtured by our love.

Each whispered dream, a seed we sow,
Through storms we weather, hand in hand,
In gardens rich, our hopes will grow,
United, we shall rise and stand.

So let us tread this winding way,
Where shadows fade and sunlight streams,
In harmony, we forge the day,
Together, we become our dreams.
Through autumn's chill and winter's night,
Our bonds grow stronger, roots expand,
With every dawn, we seek the light,
And rise again, a steadfast band.

When trials come, like storms that rage,
We'll stand as one, unyielding, true,
Each challenge faced, a turning page,
In every heart, a brighter hue.

And as the seasons dance and change,
We'll gather wisdom from the past,
In every joy, in every range,
Our spirits soar, our love steadfast.

So let the world around us see,
The beauty forged in unity,
For in our hearts, forever known,
Together, we have truly grown.
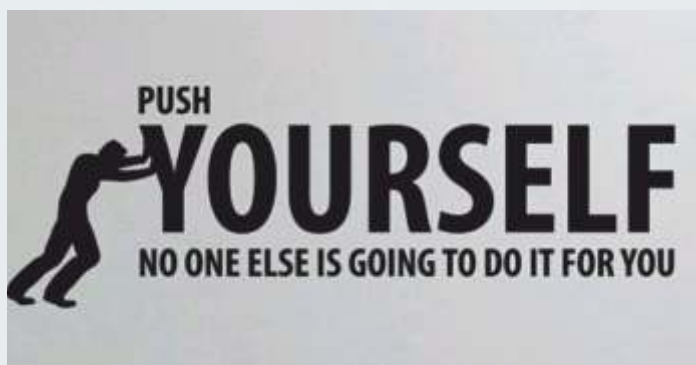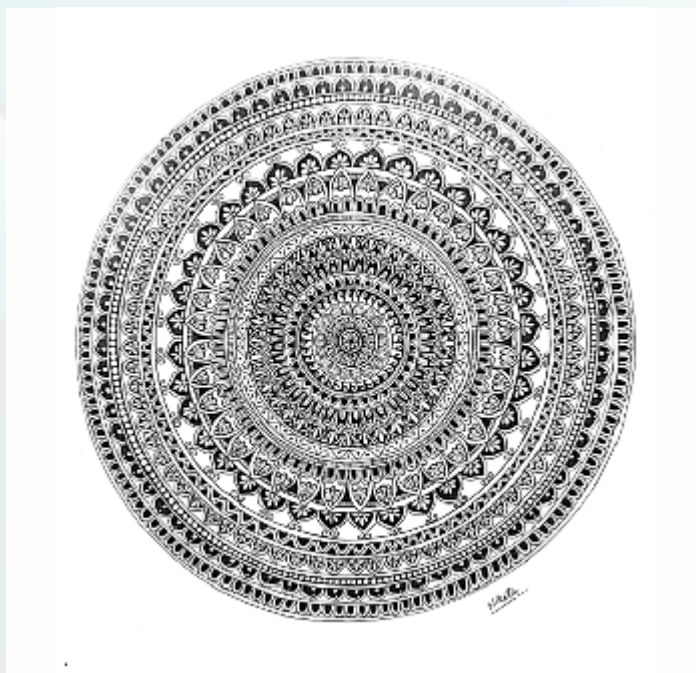
Falaasha Nothalia AI 2nd Year

THE CREATIVE CANVAS

MANDALA ART

Mandala art is a geometric design representing the universe in Hinduism and Buddhism, symbolizing harmony, balance, and unity. The word "mandala" comes from Sanskrit, meaning "circle," and mandalas typically feature intricate patterns radiating from a central point. They are often used as a meditation tool to focus the mind and promote inner peace. The symmetrical nature of mandalas is believed to mirror the structure of life itself, encouraging spiritual growth and self-awareness. Mandala art is also appreciated for its aesthetic beauty and calming effect.

Dr. Niketa Sharma (Mandala Artist)
Associate Professor,
Dept. of Computer Science

SACHIN MEENA, CS II YR

SACHIN MEENA, CS II YR

PUSH YOURSELF
NO ONE ELSE IS GOING TO DO IT FOR YOU

DON'T BE AFRAID TO FAIL. BE AFRAID NOT TO TRY.

EET
UR
AM

ROHIT THANVI, CS II YR

ALI, AI II YR

सृजन

।। जब हम बच्चे थे ।।

पल क्यों प्रत्याशा में काटे, अपने सुख-दुख आओ बाटें
मिलकर हम तुम इस जीवन की, कुछ मधुर मधुर स्मृतियां छाँटे

भूली बिसरी इन यादों को, दामन को थामे चल दे हम
जिन से मुस्काने बाँटी थी, जब छू ना सका था हमको गम

जब हवा के शीतल झोंकों से, बहते रहते थे हम अविरल
बेबाक तनकर बढ़ चलते थे मनचाही राहें पर यह कदम

दुनियादारी का लेश ना था, पर मन का जोश कहां कम था
हम तो खुशियों की थे सौगात, हस्ती में कोई कहां गम था

वह बीते दिन याद आते हैं, कैसी बेफिक्र वह शामें थी
आंसू को जगह कहां ममलती, पलकें तो सपने थामे थी

कैसी बेफिक्र जिंदगी थी, तब हम मनमौजी होते थे
जब गाय भैंस उड़ जाती थी बैठे रह जाते तोते थे
क्यों मांगी बड़े होने की दुआ, हम खुश थे जब हम छोटे थे ?

फलाशा नोथालिया
ए आई द्वितीय वर्ष

कोन है कृष्ण ?

जो दूर रहके भी राधा के समीप हैं वो प्रेम है कृष्ण
जिसने सखी के सम्मान की हमेशा रक्षा की वो सखा हैं कृष्ण
जो कारावास में जन्म लेकर भी अपना बचपन जी ले वो सादगी है कृष्ण
जो सब कुछ त्याग कर भी सिर्फ मुस्कुराया हो वो सौंदर्य हैं कृष्ण
जिससे गोपियां विरह सह नहीं पाई वो प्रीत है कृष्ण
चाहे अर्जुन हो, द्रौपदी हो या हम सबका सहारा है कृष्ण
जो संघर्ष में तुम्हे चलाए रखे वो हिम्मत है कृष्ण
जो डूबती हुई कश्ती को किनारा दे वो साथ है कृष्ण
जो जीवन के रथ को सही राह में ले जाए वो सारथी है कृष्ण
जिसने इस संसार के लिए संसार द्वारा ही दिए गए
लांछन स्वीकार लिए वो निश्छल आत्मा है कृष्ण
जिसने अपना सर्वस्व देकर भी अपने ही वंश का नाश होते देखा
वो समर्पण हैं कृष्ण
इस दुनिया का सबसे खूबसूरत सत्य है कृष्ण

हीरल
बी-टेक प्रथम वर्ष

।। ए दोस्त ।।

अपने जख्मों को इतना सस्ता न करो ए दोस्त,
दिल के राज हर शख्स से वाबस्ता न करो ए दोस्त।

तुम बहुत कीमती हो,
खुद की एहमियत को इतना कम न करो ए दोस्त।
और कोयला कहाँ हीरे की एहमियत समझता है,
खुद को इतना मिट्टी न करो ए दोस्त।

और बहुत जज्बाती हो मगर हर किसी के लिए खुली किताब न बनो ए दोस्त,
आँखें तुम्हारी सब बयां कर जाती हैं मगर यूं गैरों के सामने इन मोतियों को पानी न
करो ए दोस्त।

और माना अभी मुश्किल वक्त है वो कम्बख्त बहुत खास था तुम्हें मगर अब उसके
लिए खुद को बर्बाद न करो ए दोस्त,
बहुत है जो तुम्हारी फिक्र करते हैं जो एक नहीं है उसके लिए उन्हें यूं नजरअंदाज न
करो ए दोस्त।

और तुम बहुत समझदार हो अपनी जिम्मेदारियों को बखूबी जानते हो मगर खुद पर
थोड़ा रहम करो ए दोस्त,
आसान नहीं है आगे बढ़ जाना उस बेहिस के गुनाहों को भुलाना मगर सिर्फ अपने
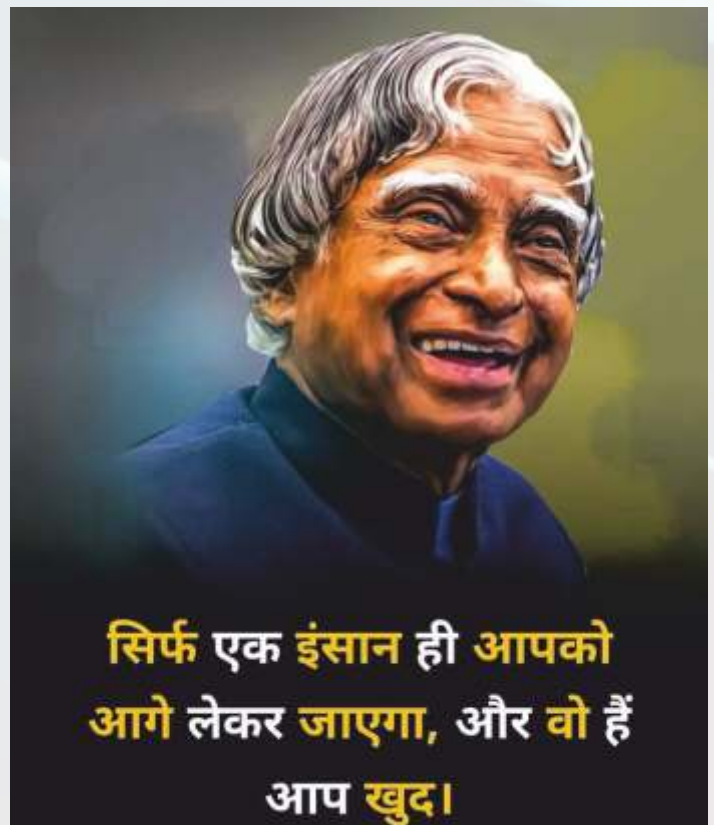लिए यह कोशिश करो ए दोस्त सिर्फ खुद के लिए यह कोशिश करो ए दोस्त।

जोड़ियाँ तो आसमानों में बनती हैं जो तुम्हारे लिए है वो एक रोज तुम्हें जरूर मिल
जाएगी ए दोस्त।

कायनात अंसारी
सिविल, तृतीय वर्ष,

सिर्फ एक इंसान ही आपको आगे लेकर जाएगा, और वो हैं आप खुद।

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