

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN

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THE ONLY AFFILIATED TECHNICAL INSTITUTE IN RAJASTHAN WITH 3.67 CGPA ON 4 POINT SCACE



THE ONLY AFFICIATED SELF FINANCED TECHNICAL INSTITUTE OF BTU KOTA IN BAJASTHAN WITH AN AUTONOMOUS STATUS FROM UGC



BY RAJASTHAN TECHNICAL UNIVERSITY (RTU), KOTA



TO



CONSECUTIVELY FOR 7th YEAR





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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

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THE EDITOR SPEAKS

ADIEU

It is with immense pride and excitement that we present to you this edition of the SKIT college magazine. This publication is not just a compilation of articles, stories, and reports, but a vibrant reflection of the creativity, talent, and passion that define our SKIT community.

A college magazine is more than just a platform for sharing ideas and achievements—it is a celebration of the diverse voices, perspectives, and dreams of our students and faculty. Each contribution within these pages represents hours of hard work, dedication, and a desire to express and share knowledge, creativity, and insight. From technical innovations to artistic endeavours, every page is a testament to the multifaceted talents of our students and the unwavering guidance of our faculty.

As the Chief Editor, it has been a privilege to work with a dedicated editorial team, whose efforts have been instrumental in bringing this edition to life. I am grateful to all the contributors who shared their knowledge, experiences, and creativity to make this magazine a success. I would also like to extend my sincere thanks to the faculty and management for their continuous support in making this publication possible.

I hope this magazine not only informs and entertains but also inspires you to think creatively, explore new ideas, and embrace the values that SKIT stands for—excellence, innovation, and integrity.

Thank you for your continued support and encouragement.

Dr Anupriya Singh Chief Editor

MESSAGES



Shri Jaipal Meel Director

It is with great pleasure and pride that I extend my warmest greetings to all of you as we unveil this edition of our institute magazine. The magazine is not just a reflection of the academic and co-curricular activities that take place within the walls of SKIT but also a testimony to the talent, creativity, and intellectual spirit of our students and faculty.

As we continue to grow and achieve new heights in education, we remain committed to our core values—excellence, integrity, and innovation. SKIT has always stood as a beacon of quality education, aiming to nurture responsible engineers and professionals who not only excel in their respective fields but also contribute to the betterment of society.

This magazine is a platform for showcasing the diverse talents of our students, from their academic accomplishments to their artistic expressions. It is also a means to celebrate the collective efforts of our faculty, whose dedication and guidance shape the future of our students.

I congratulate everyone involved in the creation of this magazine. May it inspire and motivate all of us to continue striving for excellence, pushing the boundaries of knowledge, and upholding the values that make SKIT a unique and thriving institution.

Let us all work together towards achieving our shared goal of holistic education and fostering a harmonious, value-based society.

Best wishes for a bright and successful future!



Prof S.L Surana Director Academics

It gives me immense pleasure to extend my heartfelt greetings to all as we present this latest edition of the SKIT magazine. This publication serves as a creative platform for our students to share their thoughts, ideas, and achievements, while also reflecting the dynamic academic environment of our institute.

At SKIT, we believe that education is not merely about acquiring knowledge but also about fostering innovation, critical thinking, and a sense of responsibility toward society. The academic programs at SKIT are designed to encourage students to push boundaries, explore new ideas, and develop a holistic understanding of their fields. Our dedicated faculty members continuously strive to impart not only technical knowledge but also the values of ethics and integrity, ensuring that our students are well-prepared to meet the challenges of the future.

Let us continue to work together, uphold the values of integrity, collaboration, and innovation, and strive for excellence in all our endeavours.

Wishing you all the best in your future academic pursuits and personal growth.



Prof. Ramesh Kumar Pachaar Principal

It is a moment of great joy and pride for me to present to you this edition of the SKIT magazine. This publication reflects the vibrant spirit of our institution, showcasing the talent, creativity, and intellectual prowess of our students and faculty alike.

At SKIT, we are committed to providing an education that not only imparts knowledge but also develops a sense of responsibility, ethics, and social awareness. Our aim is to nurture individuals who will contribute positively to society and stand out as leaders in their respective fields. Through rigorous academic programs, a focus on innovation, and the promotion of co-curricular activities, we strive to build well-rounded professionals and lifelong learners.

This magazine is a testament to the dynamic academic and cultural life of SKIT. It highlights the achievements of our students and faculty, their dedication to academic excellence, and their engagement in various creative pursuits. I take this opportunity to thank the editorial team and everyone involved in making this magazine a success.

Together, let us keep striving for excellence in all our endeavours, and continue building a legacy of integrity, innovation, and success.

With best wishes for a bright and fulfilling future!

COVER STORY

SKIT: A BEACON OF EXCELLENCE IN TECHNICAL EDUCATION

In the ever-evolving world of technology and innovation, Swami Keshvanand Institute of Technology (SKIT) has emerged as one of the premier institutions in Rajasthan, consistently nurturing young minds and transforming them into competent professionals. With its unwavering commitment to academic excellence, ethical values, and holistic development, SKIT stands as a beacon of quality education and innovation.

Founded in 2000, SKIT was established with the vision of providing high-quality technical education in an environment that fosters creativity, intellectual curiosity, and ethical responsibility. The institution's founding principles are deeply rooted in the values of Swami Keshvanand, a revered figure who dedicated his life to education and rural development. Today, SKIT continues to embody these values, offering a blend of modern technical education and traditional human values.

What sets SKIT apart is its emphasis on research and innovation. The institute is home to state-of-theart laboratories, research centres, and collaboration with industry partners, providing students with the opportunity to work on cutting-edge projects and real-world applications. SKIT's strong focus on research not only enhances the academic experience but also fosters a culture of innovation and problem-solving.

While technical education is the cornerstone of SKIT's curriculum, the institute places equal importance on the holistic development of its students, Courses on Human Values, Traditional Indian Knowledge and clubs like Universal Human Values & Ethics Committee are integrated into the academic framework to ensure that students grow not only as professionals but also as conscientious individuals who can make a positive impact on society.

Through initiatives like community service programs, seminars on leadership, and workshops on personality development, SKIT nurtures leadership qualities, communication skills, and a sense of empathy in its students. This balanced approach to education helps produce graduates who are well-rounded, compassionate, and capable of leading with integrity.

With a perfect blend of academic rigor, ethical values, and opportunities for personal growth, SKIT stands as a proud institution where tradition meets innovation.



CAMPUS PLACEMENTS

HIGHEST PACKAGE 47 LPA

Cognizant	82	ICICI	7	Genu
TCS	66	Jio Platform	7	Odoo
Hexaware Technologies	62	ReNew Power	7	Spani
InTime Tec	51	Aviotron Aerospace	6	TTLE
Pinnacle Infotech Solutions	41	Cloud Mentor	6	UBL
Infosys	36	Infoobjects	6	Adob
Metacube	33	Prism Johnson	6	Amaz
Consultadd	32	Techinterio	6	Chok
Thrillophilia.com	29	Thinkvibes	6	Corr
AurigalT	25	Torrent Gas	6	Decu
Cyntexa	25	Unthinkable Solutions	6	Digita
Hanu An Insight Company	23	Atrium	5	HSBC
Celebal Technologies	22	Habilelabs	5	lmagi
Hei Power System	20	NAV	5 5	IRAE
Junomoneta Finsol	19	Polycab	5	Jungli
Design2Occupancy	17	Telerad Tech	5	News
elnfochips	14	Briskminds Software Solutions	4	Prope
Quantiphi	14	eXtensible IT Solutions	4	Q3 Te
Airling	12	Juspay	4	Quint Saras
Appcino Technologies	12	Nanoinfomatrix	4	Sarvil
Innoraft	11	SARV	4	Schae
Cape Electric	10	Vaibhav Global	4	Shop
Sopra Steria	10	VDC	4	STP
AppPerfect	9	Axestrack Software	3	Them
NESSCO	9	Byjus	3	Yashr
RoboMQ	9	Jalan Technologies	3	Zucol
SOTTInc	9	Mahindra & Mahindra	3	
Genus	8	Activant Solutions	2	TOT
Concretio	7	BoutIndia	2	Still
				20

TOTAL SELECTIONS	887
ucol	1
ashram Lifestyle Brands	1
heme Engineering	1
TP	1
hopflo Technologies	1
chaeffler	1
arvika Technologies	1
aras Solutions	1
uinbay Technologies	1
13 Technologies	1
ropertyLoop	1
lewgen Software Technologies	1
inglee Games	1
RA Engineering Industries	1
nagine Wings	1
ISBC Technology	1
igital Orix	1
ecurtis	1
orr Innovations	1
hokhi Dhani Resorts	
mazon	1
dobe	1
BL	2
TLEngineering	2
panidea	2
Idoo IN	
enus Innovation	2

TOTAL SELECTIONS
Still continuing

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BREAKTHROUGH ==

SKIT BECOMES RAJASTHAN'S FIRST AUTONOMOUS ENGINEERING COLLEGE

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) has achieved the distinction of becoming the first autonomous engineering college in Rajasthan under the affiliation of Rajasthan Technical University (RTU). The institute was granted autonomy by the University Grants Commission (UGC) on April 24, with official approval from RTU on May 2. This autonomous status will be in effect for a decade, from the 2024-25 academic session until 2033-34. During this period, SKIT will have the authority to design its own syllabus for the courses it offers.



SKIT ACHIEVES TOP RANKING WITH 'AAAA' RATING

Swami Keshvanand Institute of Technology (SKIT) has earned the highest position with an 'AAAA' rating in the affiliated institutes category in Rajasthan, as recognized by Careers 360. Since its establishment, SKIT has set a high standard in technical education with the mission of 'creating winners for life.' It stands as the only institute in the state to receive this prestigious rating.



SKIT LAUNCHES NATIONAL PENSION SCHEME FOR FACULTY AND STAFF

Starting from the 2024-2025 session, SKIT has introduced the National Pension System (NPS) to offer improved financial security and retirement planning for its faculty and staff. The scheme allows participants to invest and build savings, providing a lump sum amount and regular income through an annuity plan upon retirement.

SKIT WINS SUSTAINABILITY AWARD FOR ARTISTIC EXCELLENCE AT JAIPUR ART FAIR

Engineering students from SKIT Jaipur showcased an impressive blend of creativity and technical expertise at the Jaipur Art Fair, organized by FICCI Flow at the Jaipur International Centre from 4 to 5 May, 2024. The event was coordinated by Dr. Niketa Sharma (Fine Arts and Club Coordinator) and Dr. Akriti Sharma (Extracurricular Activity Coordinator).

The exhibition was attended by Mr. Jaipal Meel, Director of SKIT, and Ms. Mayanka Meel from FICCI Flow, who acknowledged the talent and dedication of the students. The event highlighted SKIT's commitment to developing well-rounded individuals with diverse skills.

The participants including, Pari Manoj Saraswat, Aditi Sharma, Yash Thakur, Adarsh Mohan Singh, Advika, Vanshika, Shrishti, Nupur, Vijay Kaushik, Kumkum Maurya, Lakshya Pareek, Tanya Vohra, and Dr. Niketa Sharma, presented a captivating range of artworks. From intricate sculptures to Mandala art, Lippon art, and Origami, the exhibits showcased the students' creativity, innovation, and technical prowess. Anuj's unique Origami creations were a standout feature, drawing particular attention from visitors.

The event was a celebration of SKIT's dedication to fostering creativity, earning well-deserved appreciation from both art enthusiasts and industry professionals.



NEWS FLASH

RAVAH 2024: SKIT'S SPECTACULAR TECHNO-CULTURAL FEST

PRAVAH-2024, the annual techno-cultural fest of SKIT M&G took place from 11to 16 March, 2024, under the intriguing theme of 'Time Traverse.' This theme aimed to transport participants through various eras, blending the past, present, and future in a seamless journey. This year's fest was designed to be one of the most spectacular events in India, fostering a spirit of participation and celebration among the energetic youth from national institutions. With over 90 meticulously planned events, contributions from all branches of the SKIT community made PRAVAH-2024 an unforgettable experience.

The 'Time Traverse' theme provided students with a unique platform to showcase their talents in cultural, technical, literary, non-technical, sports, and social categories, uniting participants on a shared journey of exploration through time.

PRAVAH-2024 kicked off with AAVEG 2024, SKIT's annual sports fest, held from 11 to 13 March, 2024. Dynamic competitions in Table Tennis, Basketball, and Badminton reflected a blend of ancient Olympic spirit with modern vigour.

On March 13, the official opening of PRAVAH-2024 took place with the high-energy event 'THIRAK,' launching participants into a time-traveling adventure through different historical periods and futuristic visions. The fest seamlessly fused ancient traditions, modern innovations, and future possibilities, delivering a breathtaking experience that exceeded expectations. The celebration concluded with the awarding of certificates for academic excellence during SKIT's Annual Day.

The success of the 'Time Traverse' theme was due to the hard work of over 250 faculty members, 500 volunteers, and more than 35 committees who worked in perfect harmony to create an immersive, time-bending experience. Memorable events like SUR, RAWAZ, Clash of Bands, and Faculty Antakshari explored music and traditions across different time periods. A standout moment was the celebrity night, where singer Navjot Ahuja and DJ Neel Chabra took the audience on a musical journey spanning decades, mixing classic tunes with modern beats.

PRAVAH-2024 was further elevated by the presence of distinguished guests such as Dr. Ashwini Kumar Sharma, Major General Anuj Mathur, and Dr. Ravi Prakash Meharda. Their participation added prestige to the six-day fest, making it a memorable time-traveling experience. As the event ended,

participants left with timeless memories and a shared anticipation of future editions. Dr. Abhishek Gupta, Associate Professor in the Department of Electrical Engineering, served as the convenor of PRAVAH-2024.



BLOOD DONATION CAMP ORGANIZED

SKIT organized the 21st mega blood donation camp in association with HDFC Bank and Lions Club International on 26 October, 2023. SMS Hospital, Jaipuria Hospital, SDMH, and Swasthya Kalyan Blood Bank participated in the camp. The inaugural ceremony of the Blood Donation Camp was graced by the presence of Shri Surja Ram Meel, Chairman, SKIT; Shri Jaipal Meel, Director, SKIT; Prof. Ramesh Kumar Pachar, Principal, SKIT; Mr. Ashish Rathi from HDFC Bank; Mr. Kalyan Singh & Ms. Shalini Mathur from Lions Club; Mr. Viren Karadia, Mr. O.P. Gaggar, Mr. Nemi Patni and Mr. Govind Sharma from Jaipur Metro. About 843 students of the college donated blood in the camp. Prof. Brajraj Sharma, HOD, Dept. of Physics was the convenor of the Blood Donation Camp.





'AAGAZ': ORIENTATION PROGRAM FOR B.TECH FIRST-YEAR ORGANIZED

SKIT conducted the Orientation Session, 'Aagaz-2023' for B.Tech first-year students on 1 September, 2023. Shri Surja Ram Meel,



Chairman, SKIT, welcomed all the dignitaries and addressed the students and their parents. Shri Pratap Singh Lohra, Retd. Hon. Justice & Lokayukta, Rajasthan was the Chief Guest. In his address, he motivated the students by talking about his own hardships and challenges. Shri Bhagwan Sharda, Retd. Hon. Dist. & Session Judge; Mr. Sanjay Jhanwar (CA), Ms. Arti Dogra (IAS), and Mr. Riju Jacob, Secretary, RSRTC, Jaipur were invited as Guests of Honor. The program was organized with an objective to introduce the students to the academic tradition, ethos, and academic culture of the college.



SKIT CONTINUES TO BE AT THE TOP POSITION

In the recently announced Rajasthan Technical University rankings (2023-2024), SKIT has once again secured the top position among the technical institutes in Rajasthan. This remarkable achievement marks the seventh consecutive year of SKIT grabbing the coveted position. It is truly an outstanding achievement for the institution.

SMART INDIA HACKATHON-2023 CULMINATED IN A SPECTACULAR GRAND FINALE AT SKIT, JAIPUR

The grand finale of the Smart India Hackathon 2023 was held at SKIT on December 20, 2023. This marked the culmination of an incredible journey driven by innovation, ingenuity, and the collective brilliance of the nation's sharpest minds. The dignitaries who graced the event include the Chief Guest Prof. M.P. Poonia, Former Vice Chairman of AICTE; and the Guest of Honour Dr. Ramanan Ramanathan, First and Former Mission Director, Atal Innovation Mission, Niti Aayog, Govt, of India. Their presence added immense value providing insights and encouragement that inspired all participants. The program was also graced by the presence of Prof. Rajive Kumar, Member Secretary of AICTE; Dr. Mohit Gambhir, President and CEO of Verispire Corp., USA, Former and Founder Director, Innovation Cell, MIC-AICTE, MoE, Govt. of India; Ms. Aishwarya Patil, Nodal Officer; and Prof. Puneet Sharma. Anchor DD National, Media Advisor Smart India Hackathon. Mr. Ajay Dhanopia and Dr. Neelam Choudhary were the convenors of the event.



SKIT STUDENTS VISITED 'IT VOICE EXPO 2024'

The NGO Bharadwaj Foundation, Jaipur organized North India's biggest IT Trade Fair, 'IT Voice Expo 2024' at Rajasthan International Centre, Jaipur from 16 to 18 February, 2024 with an objective to provide exposure to students to the latest Al technologies & other IT areas. A total of 50 students from SKIT participated in the event.



SKIT SHOWCASED THE ONLINE SESSION ON 'VIKSIT BHARAT-2047'

SKIT showcased the session on 'viksit Bharat-2047' launched by the Hon'ble Prime Minister Shri Narendra Modi as a major initiative on 11 December, 2023. The program was live on link for webcast pmindiawebcast.nic.in. 'Viksit Bharat@2047' is the vision of the Government of India to make India a developed nation by 2047, the 100th year of its independence. More than 200 hundred students with faculty members attended this program. The main objective of the programme was to make the youth aware of the enormous work that needs to be undertaken in the form of a bold, ambitious and transformative agenda to make India 'Viksit Bharat' by 2047.



'RAJASTHAN VIGYAN MAHOTSAV' ORGANIZED

Institute Innovations Council(IIC) in collaboration with the Incubation Cell organized 'Rajasthan Vigyan Mahotsav' from 26 to 28 March, 2024 with an objective to involve students, teachers, academicians, scientists, researchers and farmers to recognize and celebrate scientific heritage. Several outreach activities of

international level were organized. A total of 23 students participated in the programme.



PROJECT 'AUTOMATED HYDROPONICS WITH MONITORING &CONTROL' GRABBED SECOND POSITION IN NATIONAL SCIENCE EXHIBITION, RAJASTHAN VIGYAN MAHOTSAV 2024

To celebrate National Science Day-2024, the event 'Indigenous Technologies for Viksit Bharat' was organized in collaboration with the Department of Science & Technology, Rajasthan; Vigyan Bharti, Rajasthan; CSIR-CEERI, Pilani & University of Rajasthan at Regional Science Centre and Science Park from 26 to 28 February, 2024. The Project 'Automated Hydroponics with Monitoring & Control' presented by Vanshaj Kataria of VI Sem, Snehal Jain and Ashita Bansal of IV Sem with Mr. Abhinandan Jain as the faculty mentor grabbed second position in National Science Exhibition during the event.





ECA CELL ACTIVITIES

INTERACTIVE SESSIONS BY IEEE-MTT-S STUDENT CHAPTER ORGANIZED

EVENT 1: An interactive session on 'Portable Radar System at the Human Microwave Frontier: Life Activity Sensing & Human Tracking' was organized on 24 April, 2024 jointly supported by the IEEE Antennas and Propagation Society (AP-S) and Microwave Theory and Techniques Society (MTT-S) with an objective to stimulate the interest among undergraduates in order to bridge the pathway to the development of future wireless communication technologies. Dr. Changzhi Li was the expert speaker who provided the participants an overview of the state- of-the-art smart radar sensors powered by advanced digital/RF beamforming, multiple-input and multiple- output (MIMO), inverse synthetic-aperture radar (ISAR) technique, and deep learning with examples based on Interferometry, Doppler, Frequency-Shift Keying (FSK), and Frequency-Modulated Continuous-Wave (FMCW) modes at 5.8 GHz, 24 GHz, and 120 GHz The session was concluded by a vote of thanks given by Dr. Shubhi Jain.



EVENT 2: An interactive session on "VLSI Technology at Lower Nodes: Challenges and Issues' was organized by IEEE-MTT and IEEE-CS student chapter on 20 March, 2024 with an objective to spread awareness among students about the current trends in VLSI technology and to provide a roadmap for careers in VLSI. The

expert speaker for the session was Prof. HS Jatana, Head, SG Group for Design and Process, Dept. of Space, Govt. of India. Prof. Jatana shared profound insights from CMOS technology, Photoresist etc., further highlighting the significant contributions that VLSI technology can offer to students' academic pursuits in shaping their research careers. The vote of thanks was given by Prof. Shubhi Jain



EVENT 3: An interactive session on 'Distinguish Instructor Workshop: A hybrid Seminar' was organized by IEEE-MTT student chapter with an objective to encourage the students to participate in research and development projects. The webinar consisted of three short presentations about CubeSat Antenna from link Budget Analysis to Orbits and Electromagnetics for Healthcare as well as Electrons in Extreme Frequencies. The vote of thanks was given by Prof. Shubhi Jain

EVENT 4 An interactive session on 'Millimetre Wave Trans Receiver Chips with Antenna Package' was organized with an objective to introduce the students with the ground breaking achievements that microwave and antenna technologies have made to human civilization;

This Programme is jointly supported by the IEEE Antennas and Propagation Society (AP-S) and Microwave Theory and Techniques Society.

EVENTS ORGANIZED BY IE(I) and OPTICA STUDENT CHAPTER

EVENT 1: INERACTIVE SESSION ORGANIZED

IE(I) and Optica student chapter of SKIT organized an interactive talk on 'Quantum Effect in Visible Domain' on 27 April, 2024. The expert speaker for the session was Prof. Y.K.Vijay (Director, CIST,IIS University, Jaipur& Ex-Director CDPE, University of Rajasthan, Jaipur), who enlightened the students about the Quantum effect and emphasized that it promises to deepen the understanding of the universe and has offered groundbreaking technology from quantum computers to ultra-precise measuring devices to next-generation materials. The event was coordinated by Ms. Priyanka Sharma, and Mr. Abhinandan Jain of ECE Dept.



EVENT 2: 'INTERNATIONAL DAY OF LIGHT' CELEBRATED

The 'International Day of Light' was celebrated by Optica Student Chapter on 16 May, 2024 with an objective to commemorate the anniversary of the first successful operation of laser in 1960 by Physicist and Engineer, Theodore Maiman. The day is observed to spread awareness about the significance of light and to explore different ways in order to encourage scientific collaboration and possibilities of light-based technologies for innovation, creativity, and sustainable societies. The event was successfully organized under the supervision of Dr. Kiran Rathi and Ms. Priyanka Sharma

EVENTS CONDUCTED BY UNIVERSAL HUMAN VALUES & ETHICS COMMITTEE

EVENT 1: WORLD HEALTH DAY CELEBRATED

A highly informative session on 'Empowering Women' was held on the occasion of World Health Day on 7 April, 2024. Dr. Shweta Gupta, a distinguished senior gynaecologist from Cocoon Hospital, Jaipur talked about various aspects of female health such as menstrual health, reproductive well-being, preventive care, and the importance of regular health screenings. She emphasized the need for open conversations about these issues aiming to break



down stigmas and encourage proactive health management. The Universal Human Values and Ethics Committee along with the Women Cell organized the event.

EVENT 2: RAM NAVAMI CELEBRATED

An enlightening discourse on 'Maryada Puroshottam Ram' by Prabhu Sidhhanand Ji from Krishna Balram Temple was organized on the occasion of Ram Navmi on 20 April, 2024. His talk covered various facets of Ram's life, including his unwavering adherence to duty, his moral fortitude, and his compassionate leadership. The audience comprising students of first and second year engaged deeply with the teachings presented, Prabhu Sidhhanand Ji's interactive session allowed for a thoughtful Q&A segment, wherein attendees sought guidance on integrating Ram's virtues into their daily lives.



EVENT 3: WORKSHOP ON 'UHV FOR HOLISTIC DEVELOPMENT' ORGANIZED

A five-day workshop on "UHV for Holistic Development" was organized for the first year students of B.Pharmacy from 29 April to 3 May, 2024 with an objective to integrate human values into the broader educational framework to promote comprehensive personal and professional growth. The event featured distinguished speakers who shared their expertise and insights into the importance of holistic development. The keynote address was delivered by Prof. Nirupam Rohatgi from MNIT, Jaipur. Prof. Rohatgi's address focused on the role of human values in shaping responsible and ethical professionals.

He emphasized the need for integrating values such as integrity, empathy, and social responsibility into academic and career pursuits. Prof. Avinash Panwar, Director of the Centre for Electronic Governance, Jaipur was the speaker for the second day of the workshop. His presentation complemented the keynote by exploring the practical applications of human values in the field of electronic governance and technology. The subsequent sessions were delivered by Prof Archana Saxena, Prof Sangeeta Vyas and Prof. Krishna Sharma from the department of Chemistry and English respectively. Prof. Hemlata Dullar, Principal, SKIP thanked all the participants and the guest speakers. The workshop was coordinated by Dr.Nidhi Sharma, Dr.Amit Jhalani & Dr. Swati Arora

EVENT 4: EMPOWERING OFFICE CULTURE; A 5-DAY JOURNEY INTO HUMAN VALUES AND CODE OF CONDUCT

A five-day workshop for office staff was organized from 11 to 15 December with an objective to instill within them the principles of human values and a robust code of conduct within corporate environments. Drawing from real-life scenarios, facilitators highlighted the tangible impact of aligning actions with ethical principles. Dr. Nidhi Sharma, Dr. Swati Arora, and Dr. Amit Jhalani were the coordinators of the event.



EVENT 5: EMPOWERING EDUCATORS: A 5-DAY FACULTY DEVELOPMENT PROGRAMME ON VIKSIT BHARAT @2047

The Universal Human Values and Ethics Committee organized a five-day Faculty Development Programme (FDP) on 'Viksit Bharat' Vision for India @ 2047' from 16 to 20 January,2024 with an objective to equip educators with the knowledge, skills, and perspectives necessary to nurture citizens and build a thriving nation by the year 2047. Facilitators and guest speakers provided insights into the socio-economic, political, and technological landscape envisioned for the country's future. Dr. Nidhi Sharma, Dr. Swati Arora, and Dr. Amit Jhalani were the coordinators of the event.



EVENT 6: CULTIVATING ETHICAL EXCELLENCE: A 3-DAY WORKSHOP ON CODE OF CONDUCT AND PROFESSIONAL ETHICS FOR TECHNICAL STAFF

A 3-day workshop on 'code of Conduct and Professional Ethics' for the members of the technical staff was organized from from15 to 17 February, 2024. As the workshop drew to a close, participants reflected on their learning and devised actionable strategies for integrating ethical principles into their daily work practices. Dr. Nidhi Sharma, Dr. Swati Arora, and Dr. Amit Jhalani were the coordinators of the event.

The event serves as a reminder of the profound impact that literature can have in our lives, and is a tribute to the power of storytelling.

EVENT 7: WORKSHOP ON 'EXPLORING UNIVERSAL HUMAN VALUES'

A one week workshop on 'Exploring Universal Human Values & Ethics' was organized from 18 to 23 October, 2023 with an objective to instill a sense of universal human values, such as, empathy, compassion, and integrity.

The workshop was graced by an array of accomplished guest speakers who shared their valuable insights on universal human values. Notable personalities included - Mr. Jaswant Khatri, Senior Engineer from the PHED Department, who highlighted the importance of integrity and ethical conduct in professional life; Mr. Pawan Kumar, a distinguished social activist and author, who discussed the role of empathy and compassion in driving positive change in society; Mr. BK Sharma, a representative from AICTE, who emphasized the significance of universal human values in the education sector and its impact on shaping future generations and Prabhu Girdhari Ji, a spiritual guide from the Hare Krishna Temple, who shared wisdom on inner values and personal transformation. About 150 students participated in the workshop. Dr. Nidhi Sharma, Dr. Amit Jhalani, and Dr. Swati Arora were the faculty coordinators of the event.



EVENT 8: GANDHI JAYANTI CELEBRATED

The birth anniversary of Mahatma Gandhi was celebrated with great fervour and reverence on 2 October, 2023. The program featured a range of activities and presentations that celebrated Gandhi Ji's life and legacy. It began with a stirring rendition of Gandhi's favorite hymns followed by screening of live videos from Sabarmati Ashram in Ahmedabad where the official government celebrations were going on. The heart of the program were the speeches and poems that focused on various aspects of Mahatma Gandhi's life and his commitment to non-violence, truth, and social justice. Speakers from diverse backgrounds shared their

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perspectives and insights on how Gandhi's principles are still relevant today.

The event was coordinated by Dr. Swati Arora, Dr. Amit Jhalani and Dr Nidhi Sharma.



EVENT 9: HINDI DIWAS CELEBRATED

Hindi Diwas was celebrated with great fervour on 14 September, 2023. The highlight of the event were the poetry recitals where approximately 50 students showcased their linguistic prowess by presenting the works of renowned Hindi poets. From the poignant verses of Harivansh Rai Bachchan to the profound words of Maithili Sharan Gupt, the audience were treated to a diverse range of poetic expressions. In addition, students also delivered speeches in Hindi emphasizing the significance of the language and its role in India's cultural tapestry. Certificates were given to the winners of the poetry recital and speech competitions.

The event was coordinated Dr. Nidhi Sharma, Dr. Amit Jhalani and Dr. Swati Arora.



EVENT 10: JANMASHTAMI CELEBRATED

Janmashtami, the birth anniversary of Lord Krishna, was celebrated with immense devotion and fervour by UHV&EC. The highlight of the occasion was a heart-warming Bhajan Gayan programme led by Prof. Archana Saxena and Prof. Krishna Dayal Sharma. The event was coordinated by Dr. Nidhi Sharma, Dr. Swati Arora and Dr.Amit Jhalani. Approximately 150 students attended the event. The vote of thanks was given by Dr. Nidhi Sharma.

'PROBLEM DISCUSSION SESSION' IN VILLAGE BY UNNAT BHARAT ABHIYAN CLUB ORGANIZED

The 'Problem Discussion Session' is a significant community initiative organized by the UBA Club (Unnat Bharat Abhiyan) on 6 January, 2024. It consisted of visits to two notable schools in the region, Rajkiya Praveshika Madhyamik Sanskriti Vidyalaya, Malwa and Rajkiya PrathmikVidyalaya, Khera, Jagannathpura. The main objective of this event is to understand the educational needs of the village, identify areas for improvement in local schools, and help students excel academically and develop a positive mindset.

The dedicated team from the UBA Club and E-cell played a pivotal role in this meeting. They engaged with the students to comprehend their challenges and offer solutions. The faculty members who coordinated this activity are Prof. Monika Mathur (ECE Dept.) Dr. Kiran Rathi (ECE Dept.), Mr. Dinesh Kumar (ECE Dept.) and Dr. Amit Jhalani (Mechanical Dept.).



DESIGN INNOVATION AND ENTREPRENEURSHIP (IDE) BOOTCAMP-2024 BY E CELL

IDE Bootcamp-2024 was organized by E Cell from 29 January to 2 February, 2024 with an objective to provide guidance to the students to explore various career alternatives as entrepreneur, to motivate the students to explore their skills in order to enhance the community of new startups; to educate them about the do's and don'ts in startups and to enable them to assess their interests and abilities. In this event, alumni of SKIT- Mr. Ankit Dhir (2011 batch and founder of start-up named HABILELABS PVT LTD); Mr. Hitesh Sharma (2013-17 batch and founder of SHRISHTI TEXTILES); and



Mr. Divyansh Maheshwari (2019-21 batch and founder of GADGET VILLA) were invited to motivate and guide the students in their journey towards a successful entrepreneurship. Mr. Ajay Dhanopia was the event coordinator.

'ENTREPRENEURSHIP DAY' CELEBRATION SERIES ORGANIZED

A 3-day 'Entrepreneurship Day' celebration series was organized by E Cell from 7 to 9 November, 2023 with an objective to bring awareness among students about digital marketing and entrepreneurship. It began with the guest lecture of Mr. Manoj Gattani, a motivational speaker and Life Coach who spoke on



various aspects of entrepreneurship and also talked about various platforms where new comers can nurture their thought process and explore the new domain of becoming a job creator. A Poster Making competition was held on the second day of the event where a number of students showed their skills and creativity to portray their thought process and ideas. The winners were awarded with cash prizes. The event was coordinated by Prof. MonikaMathur, Dr. Meenakshi Nawal, Mr. Tarun Sharma, Ms. Dipti Arela, Mr. Yogesh Kumar, and Mr. Manmohan Sharma.

EVENTS CONDUCTED BY ECOFRIENDS CLUB

EVENT 1: SELFIE WITH NATURE

An event 'Selfie with Nature' was organised on 28 September, 2023. The students were asked to take their selfies at natural places so as to capture the joy and happiness while being with the nature at that place, 29 students participated in the event.



EVENT 2: QUIZ COMPETITION ON SAFE HYGIENE PRACTICE

To celebrate 'Swachhata Pakhwada' as a part of special 'Campaign 3.0' organized by AICTE, a quiz competition was conducted by the club on 'Safe Hygiene Practices' on 25 October, 2023. 65 students participated in the competition.

DANCE COMPETITION 'MAYUKH' ORGANIZED

The Music club organized a dance competition' Mayukh' on 25 October, 2023. It was divided into three captivating categories -solo, duet, and group performances. The event truly celebrated the rich heritage of dance while embracing modern innovation leaving everyone inspired and enthralled. The faculty coordinators were Mrs. Nikhar Bhatnagar (IT) and Mr. Deepak Saini (EE). The student coordinators were Tisha Gupta (AI-IV Year) and Riya Parakh (IT—III Year).



POSTER MAKING COMPETITION ORGANIZED

Maths in Rates club organised 'Poster Making' competition on 18 October, 2023. Various types of Mathematics posters based on title, reality, theme were made by the students with an objective to devise new ways to make the learning of Mathematics easy. It aimed to determine and develop the feasibility and effectiveness of Mathematical learning with ease.



EVENTS CONDUCTED BY SKIT READERS' CLUB

EVENT 1: 'ROO-B-ROO- A LITERARY SOIREE': SKIT READERS' CLUB'S BOOK READING EVENT

An enlightening talk show event on the book 'Lily's Journey' was organized by the SKIT Readers' Club on 20 September, 2023. Mannat Gothwal (CS 3rd year) and Mahi Shrivastav(CS 2nd year) took the centre stage as the speaker and moderator respectively. The event was not only a platform for literary exploration but also a celebration of the love for reading and intellectual exchange. The Q&A session that followed provided the audience with an opportunity to voice their thoughts, share their perspectives.



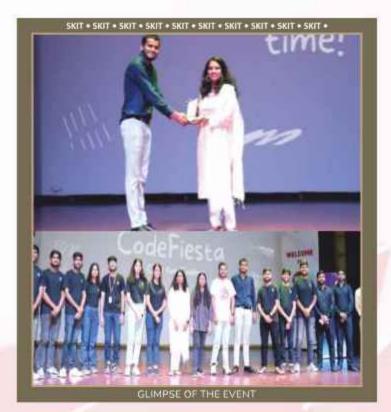
EVENT 2: 'ROO-B-ROO- A LITERARY SOIREE': SKIT READERS' CLUB'S BOOK READING EVENT

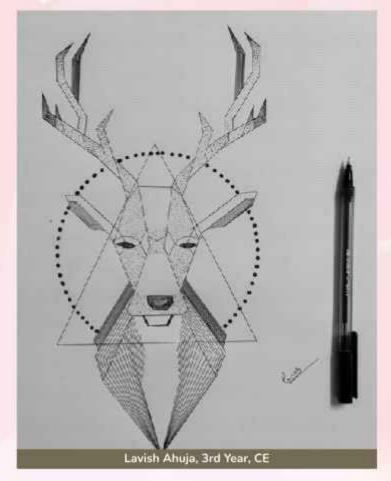
A remarkable book reading event on the book 'The Real Meaning' was organized by the SKIT Readers' Club on 21 October, 2023. Pulkit (IT, 2nd year) took the centre stage as the speaker while Kanishk (IT, 2nd year) was the moderator of the session.

The event serves as a reminder of the profound impact that literature can have in our lives, and is a tribute to the power of storytelling.

INTERNATIONAL NFT DAY CELEBRATED

The international NFT Day celebration was organized by CodeFiesta club in collaboration with GirlScript Foundation under the guidance of Ms. Priyanka Sharma, faculty advisor, CodeFiesta Club, SKIT on 20 September, 2023. The objective behind this celebration was to introduce newcomers to NFT and kindle their interest in Web3 technologies. The event was sponsored by Dapper Labs/Flow and was graced by the presence of the distinguished guests, Mr. Pranshu Rastogi, Head of Ecosystem and Integrations at Push Protocol and Ms. Ishita Rastogi, Product Brand Manager at Gelato Network. The programme was concluded with a quiz and subsequent prize distribution. Chirag Gurnani (ECE, 3rd Year) and Akshat Surana (CSE, 4th Year) were the student coordinators of the event.





Life given the hardest battles to the strongest ones.

DEPARTMENTS OF COMPUTER SCIENCE ENGINEERING & INFORMATION TECHNOLOGY

WORKSHOP ON 'APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IOT' ORGANIZED

A student workshop on 'Applications of Artificial Intelligence (AI) and Machine Learning' (ML) in the field of Internet of Things (IoT) was organized from 11 to 15 September, 2023 in collaboration with GeeksforGeeks. Eminent personalities from academia and industry were invited as speakers. Mr. Sandeep Jain, founder of GeeksforGeeks visited the institute and interacted with students. The workshop was coordinated by Dr. Vinay Kanungo, Dr. Yogendra Gupta, Dr. Niketa Sharma, Dr. Amit Sharma, Dr. Meenakshi Nawal, Ms. Nidhi Srivastav and Ms. Priyanka Sharma.



WORKSHOP ON 'FUNDAMENTALS OF BLOCKCHAIN AND DATA SECURITY' ORGANIZED

A student workshop on the 'Fundamentals of Blockchain and Data Security' was organized by IEEE Computer Society and MTT-S Student Branch Chapter in collaboration with IEEE Rajasthan Subsection from 3 to 4 November at SKIT, Jaipur. The expert speaker, Kalpit Singh, CEO of Cognome discussed about the applications of Blockchain and the underlying algorithms of cryptocurrencies including Bitcoin through hands-on programming sessions. The second day of the workshop focused on advanced topics enabling students to learn and demonstrate algorithm design. Dr. Nilam Chaudhary, Dr. Shubhi Jain, and Dr. Aakriti Sharma were the faculty coordinators of the event.

BOOKS PUBLISHED

TITLE : Applications, Challenges, and the Future of

ChatGPT

AUTHOR/S : Priyanka Sharma, Monika Jyotiyana, and A.V.

Senthil Kumar

PUBLISHER : IGI Global

TITLE : Cloud Computing and Big Data in IoT

AUTHOR/S : Aashish Gadgil, Anjana Sangwan, Sulakshana

Sagar Malwade, Megha Ashok Dhotay

PUBLISHER : Leilani Katie Publication & PRESS (LKP)

TITLE : Data Science: A Modern Approach with Python

AUTHOR/S : M. Sangeetha, P. Rama, Sunil Dhankhar,

Mohammed Siddique

PUBLISHER : SKRGC Publication

BOOK CHAPTERS PUBLISHED

BOOK : Applications, Challenges, and the Future of

ChatGPT

AUTHOR/S : Ayushi Agarwal, Aaditya Trivedi,

Priyanka Sharma

BOOK CHAPTER: Algorithmic Issues, Challenges, and

Theoretical Concerns of ChatGPT

PUBLISHER : IGI Global

BOOK : Applications, Challenges, and the Future of

ChatGPT

AUTHOR/S : Pradnya Patil, Kaustubh Kulkarni,

and Priyanka Sharma

BOOK CHAPTER: Use Cases of ChatGPT and Other Al Tools

with Security Concerns

PUBLISHER : IGI Global

BOOK : Handbook of Research on Thrust Technologies'

Effect on Image Processing

AUTHOR/S : Binay Kumar Pandey, Poonam Devi, A Shaji

George, Vinay Kumar Nassa, Pankaj

Dadheech, Blessy Thankachan, Pawan Kumar

Patidar, Sanwta Ram Dogiwal

BOOK CHAPTER: Review on Different Types of Disturbing Noise

for Degraded Complex Image

PUBLISHER : IGI Global

BOOK : Utilization of Al Technology in Supply Chain

Management

AUTHOR/S : H. R. Swapna, S. Geetanjali, K. V. N. Lakshmi,

Mukundan Appadurai Paramashivan, M. S.

Nikhil, Pankaj Dadheech, Vikas Vyas

BOOK CHAPTER: Navigating the Transformative Journey: Al's

Progression in Business Applications

PUBLISHER : IGI Global

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воок	: Utilization of Al Technology in Supply Chain	воок	: Emerging Engineering Technologies and
AUTHOR/S	Management : Sanjeet Singh, Geetika Madaan, H. R. Swapna,	AUTHOR/S	Industrial Applications : Pandey, D., Nassa, V. K., Pandey, B. K.,
AUTHORS	Prabjot Kaur, Digvijay Pandey,	AUTHORIS	Mahajan, D. A., Patidar, P. K., Dadheech, P., &
	Pankaj Dadheech		George, A.S.
BOOK CHAPTER	: The Role of Artificial Intelligence in Supply	BOOK CHAPTER	: An Analysis of Internet-of-Things-Based Fire
	Chain Management		Detection and Alert Systems
PUBLISHER	: IGI Global	PUBLISHER	: IGI Global
воок	: Utilization of Al Technology in Supply Chain	воок	: Emerging Engineering Technologies and
	Management		Industrial Applications
AUTHOR/S	: Binay Kumar Pandey, Asif Iqubal Shah, Rajdip	AUTHOR/S	: Pandey, B.K., Paramashivan, M.A., Nassa, V.K.,
	Bhadra Chaudhuri, Pankaj Dadheech, Blessy		Mahajan, D.A., Dadheech, P., George, A.S., &
	Thankachan, Dharmesh Dhabliya,		George, A.S.
	A. Shaji George	BOOK CHAPTER	: Blockchain's Potential Effect on the Healthcare
BOOK CHAPTER		20000120020	Industry
WAR WAY LOND AND ADDRESS.	Management to Enhance Supply Chain	PUBLISHER	: IGI Global
PUBLISHER	; IGI Global	2004	
DOOK	THE STATE OF	BOOK	: Emerging Engineering Technologies and
воок	: Utilization of Al Technology in Supply Chain	AUTHOR/S	Industrial Applications
AUTHOR/S	Management : H. R. Swapna, Emmanuel Bigirimana,	AUTHORS	: Pandey, B.K., Nassa, V.K., Mukundan, A.P., Mahajan, D.A., Pandey, D., George, A.S., &
AUTHORIS	R. Geetha, Mukundan Appadurai Paramashivan.		Dadheech, P.
	A. Shaji George, Pankaj Dadheech, Vikas Vyas	BOOK CHAPTER	: An Industry-Focused Traffic System utilizing
BOOK CHAPTER	: New Insights into Strategic Consumer Behavior		Internet of Things
	from the Field of Operations Management	PUBLISHER	: IGI Global
PUBLISHER	: IGI Global		
		воок	: Emerging Engineering Technologies and
воок	: Emerging Engineering Technologies and		Industrial Applications
	Industrial Applications	AUTHOR/S	: Shahul, A., Muniandi, B., Paramashivan, M. A.,
AUTHOR/S	: Pandey, D., Nassa, V. K., Pandey, B. K.,		Pandey, D., Pandey, B. K., Dadheech, P., &
	Thankachan, B., Dadheech, P., Mahajan, D. A.,		Hovan George
	& George, A.S.	BOOK CHAPTER	: An Analysis of Algorithms and Methods based
BOOK CHAPTER	: Artificial Intelligence and Machine Learning		on Image Processing for Medical Applications
	and its Application in the Field of	PUBLISHER	: IGI Global
DE IOLIGE ICO	Computational Visual Analysis	noov	
PUBLISHER	: IGI Global	BOOK	: Emerging Engineering Technologies and
воок	- Emerging Engineering Technologies and	AUTHOR/S	Industrial Applications : Pandey, D., Pandey, B.K., Nassa, V.K., Mahajan,
BOOK	: Emerging Engineering Technologies and Industrial Applications	AUTHORIS	D.A., George, A.S., & Dadheech, P.
AUTHOR/S	: Pandey, D., Pandey, B. K., Paramashivan, M. A.,	BOOK CHAPTER	: Optimized Throughput-Based Broadcasting for
J. 100 . 1 1 . 100 . 1 . 100 .	Mahajan, D. A., Dadheech, P. D., George, A. S.,	. Market St. Tr. St. T	Next Generation Wireless Networks
	& Hameed, A.S.	PUBLISHER	: IGI Global
BOOK CHAPTER	: Advanced Digital Data Processing Using Cloud		
	Cryptography: Industrial Applications	воок	: Emerging Engineering Technologies and
PUBLISHER	: IGI Global		Industrial Applications
		AUTHOR/S	: Pandey, B.K., Mukundan, A.P., Nassa, V.K.,
BOOK	: Emerging Engineering Technologies and		Pandey, D., George, A.S., Hameed, A.S., &
	Industrial Applications		Dadheech, P.
AUTHOR/S	: Kennedy, G. W., Sunday, S. E., Pandey, D.,	BOOK CHAPTER	: Deployment of Load Balancing in Cloud
	Kabari, A. D., Pandey, B. K., George, A.S., &	PERVENTANCEMENT	Computing: Industrial Application and Benefits
	Dadheech, P.	PUBLISHER	: IGI Global
BOOK CHAPTER			2 N. N. V.
DUDU POLICE	Innovations for Professional Proficiency	BOOK	: Security Issues and Solutions in 6G
PUBLISHER	: IGI Global		Communications and Beyond

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AUTHOR/S : M. Beulah Viji Christiana, Thaya Madhavi, BOOK CHAPTER: Navigating the Transformative Journey: Al's Progression in Business Applications S.Bathrinath, Vellayan Srinivasan, Mano Ashish PUBLISHER : IGI Global Tripathi, B. Uma Maheswari, Pankaj Dadheech BOOK CHAPTER : Leadership in the Age of Holographic BOOK : Utilization of Al Technology in Supply Chain Connectivity: Securing the Future of 6G Management **PUBLISHER** : IGI Global AUTHOR/S : Sanjeet Singh, Geetika Madaan, H. R. Swapna, Prabjot Kaur, Digvijay Pandey. BOOK : Security Issues and Solutions in 6G Pankaj Dadheech, In Digvijay Pandey, Communications and Beyond Binay Kumar Pandey, Uday Kumar Kanike, A. AUTHOR/S : Shefali, S. Prema, Vishal Ashok Ingole, G. Shaji George, Prabjot Kaur (Eds.), Vikram, Smita M. Gaikwad, H. Mickle Aancy, BOOK CHAPTER : The Role of Artificial Intelligence in Supply Pankaj Dadheech Chain Management BOOK CHAPTER: Navigating 6G Challenges: A Managerial PUBLISHER : IGI Global Perspective on Security Solutions - Strategic Insights BOOK : In Digvijay Pandey, Binay Kumar Pandey, PUBLISHER : IGI Global Uday Kumar Kanike, A. Shaji George, Prabjot Kaur (Eds.), Utilization of Al BOOK : Security Issues and Solutions in 6G Technology in Supply Chain Management Communications and Beyond, AUTHOR/S Binay Kumar Pandey, Asif Iqubal Shah, AUTHOR/S : Binay Kumar Pandey, Mukundan Appadurai Rajdip Bhadra Chaudhuri, Pankaj Dadheech, Paramashivan, Digvijay Pandey, A. Shaji Blessy Thankachan, Dharmesh Dhabliya, George, Ashi Agarwal, Darshan A. Mahajan, A. Shaji George Pankaj Dadheech Dadheech. BOOK CHAPTER : Utilizing Machine Learning in Legal Sabyasachi Pramanik Management to Enhance Supply Chain BOOK CHAPTER: Future Directions of Digital Twin Architectures PUBLISHER : IGI Global for 6G Communication Networks PUBLISHER : IGI Global BOOK : Utilization of Al Technology in Supply Chain Management AUTHOR/S : H. R. Swapna, Emmanuel Bigirimana, BOOK : Security Issues and Solutions in 6G R. Geetha, Mukundan Appadurai, In Digvijay Communications and Beyond Pandey, Binay Kumar Pandey, Uday Kumar AUTHOR/S : Binay Kumar Pandey, Digvijay Pandey, Ashi Kanike, A. Shaji George, Prabjot Kaur (Eds.), Agarwal, Darshan A. Mahajan, Pankaj Paramashivan, A. Shaji George, Pankaj Dadheech, A. Shaji George, Pankaj Kumar Rai Dadheech, Vikas Vyas BOOK CHAPTER: Beyond Data Breaches: Enhancing Security in BOOK CHAPTER: New Insights into Strategic Consumer 6G Communications Behavior from the Field of Operations : IGI Global PUBLISHER Management PUBLISHER : IGI Global BOOK : Security Issues and Solutions in 6G Communications and Beyond BOOK : Security and Risk Analysis for Intelligent AUTHOR/S : Digvijay Pandey, Sumeet Goyal, Kallol Cloud Computing Bhaumik, Sonia Suneja, Manvinder Sharma, AUTHOR/S : Archika Jain, Devendra Kr. Somwanshi Pankaj Dadheech **BOOK CHAPTER** Security Aspects in Cloud computing, 2023 BOOK CHAPTER: A Systematic Review of Security Issues in 6G PUBLISHER Taylor & Drancis Group, CRC Press Networks and Communication PUBLISHER : IGI Global BOOK : Sustainable Development in Al, Blockchain, and E-Governance Applications BOOK : Utilization of Al Technology in Supply Chain AUTHOR/S : Priyanka Sharma Management BOOK CHAPTER: Smart Healthcare System, Digital Health AUTHOR/S ; H. R. Swapna, S. Geetanjali, K. V. N. Lakshmi, and Telemedicine, Management and In Digvijay Pandey, Binay Kumar Pandey, Emergencies Uday Kumar Kanike, A. Shaji George, PUBLISHER IGI Global Prabjot Kaur (Eds.), Mukundan Appadurai Paramashivan, M. S. Nikhil, Pankaj Dadheech, BOOK : Social Media and Online Consumer Decision Vikas Vyas Making in the Fashion Industry

PAPERS PUBLISHED IN CONFERENCE AUTHOR/S : Kalavathy K. S., Swapna H. R., Anitha PROCEEDINGS Nallasivam, Digvijay Pandey, Darshan Mahajan, Pankaj Dadheech BOOK CHAPTER : An Empirical Investigation on the Influence TITLE : Breast Cancer Diagnosis using Convolutional of Social Networks on Purchase Decision Neural Network Making: An Indian Perspective, Chapter 2, AUTHOR/S : Archika Jain, Devendra Somwanshi, Chandradeep pp. 26-43, 2023. Bhatt, Arpana Chaturvedi, Harishchandra PUBLISHER : IGI Global. https://doi.org/10.4018/978-1 Anandaram, Kapil Joshi 6684-8753-2.ch002. PROCEEDING: Proceeding of International Conference on Advance Computing and Innovative Technologies BOOK : Artificial Intelligence Tools and in Engineering (ICACITE-2024), 4 to 15 May, 2024 Technologies for Smart Farming and Agriculture Practices TITLE : COVID-19 Demystified based on Chest X-Ray AUTHOR/S : Priyanka Sharma, Pankaj Dadheech AUTHOR/S : Archika Jain, Devendra Somwanshi, Manika BOOK CHAPTER: Al-Enabled Crop Recommendation System based on Soil and Weather Patterns, Manwal, Deepali Rani Sahoo, Nitish Pathak, Chapter 10, pp. 184-199. Kapil Joshi **PUBLISHER** : IGI Global, https://doi.org/10.4018/978-1 PROCEEDING : Proceeding of International Conference on 6684-8516-3.ch010 Advance Computing and Innovative Technologies in Engineering (ICACITE-2024), 14 to 15 May, 2024 BOOK : Handbook of Research on Al-Equipped IoT Applications in High-Tech Agriculture TITLE : Implementing Load Balancing in Cloud AUTHOR/S : Mariya Vinshon V., A.V. Senthil Kumar, Computing with MTB Priyanka Sharma AUTHOR/S : Archika Jain, Devendra Somwanshi, Shalini Puri, BOOK CHAPTER: Al-Equipped IoT Applications in High-Tech Rekha Jain, Pramod Kumar Agriculture using Machine Learning, PROCEEDING: Proceeding of International Conference on Data Chapter 3, pp. 38-64. Analytics & Management (ICDAM-2024), PUBLISHER : IGI Global. https://doi.org/10.4018/978-1 14 to 15 June, 2024 6684-9231-4.ch003. BOOK : Effective Al. Blockchain, and E-Governance TITLE : Privacy Protection and Data Integrity in Cloud Applications for Knowledge Discovery and Computing Management : Archika Jain, Devendra Somwanshi, Shatini Puri AUTHOR/S AUTHOR/S : Kawsalya Maharajan, Priyanka Sharma PROCEEDING: Proceeding of International Conference on BOOK CHAPTER: Blockchain Methods and Data-driven Mathematical Modeling, Computational Decision Making with Autonomous Intelligence Techniques and Renewable Energy Transportation, Chapter 12, (pp. 176-194). (MMCITRE2024) **PUBLISHER** : IGI Global. https://doi.org/10.4018/978-1 6684-9151-5 ch012 TITLE : Accuracy analysis of Text Detection and Recognition for Natural Scene Images using Deep BOOK : Handbook of Artificial and Human Learning Model Compared over CNN Intelligence in the Modern Era AUTHOR/S : R. Mahaveerakannan, R. Balamanigandan, K. AUTHOR/S : Arun Prasad G, A. V. Senthil Kumar, Sudhakar, Pankaj Dadheech, Sanwta Ram Priyanka Sharma, Indrarini Dyah Irawati Dogiwal, Vinod Patidar, Digvijay Pandey BOOK CHAPTER: Artificial Intelligence in Computer Science: PROCEEDING : Proceeding of International Conference on An Overview of Current Trends and Future Artificial Intelligence and Information Directions, Chapter 2 pp 43-60.

> : IGI Global. https://doi.org/10.4018/979-8 Technologies (ICAIIT 2023)

3693-1301-5.ch002.

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PUBLISHER

TITLE : Enhancing Medical Image Super-Resolution BOOK : Medical Data Analysis and Processing through Generative Adversarial Networks and using Explainable Artificial Intelligence Transformer-based Joint Feature Learning AUTHOR/S : Priyanka Sharma AUTHOR/S : R. Balamanigandan, R. Mahaveerakannan,

BOOK CHAPTER: Utilizing Explainable Artificial Intelligence R. Yuvarani, Pankaj Dadheech, Sanwta Ram to Address Deep Learning in Biomedical Dogiwal, Chour Singh Rajpoot, Digvijay Pandey Domain, Chapter 2, pp 19-38.

PROCEEDING: International Conference on Artificial Intelligence : Taylor & Francis, https://doi.org/10.1201 /9781003257721-2

and Information Technologies (ICAIIT 2023)

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TITLE : Relevance of Blockchain within the Framework of

Industry 4.0: A Study

AUTHOR/S : Astha Joshi

PROCEEDING: International Multidisciplinary Conference on

Emerging Trends and Perspectives in Research and Innovations (Imcetpri-2024) 23 to 24

February, 2024.

TITLE : Comprehensive Study on High Resolution Aerial

Image Classification to Highlight Issues, potential Application, and Future Scope

AUTHOR/S : Nikhar Bhatnagar, Sumit Srivastava, Shally Vats

CONFERENCE: IEEE Global Conference for Advancement in

Technology (GCAT), Bangalore, India; 6 to 8

October, 2023. 979-8-3503-0525

PAPERS PRESENTED IN CONFERENCES

TITLE : Novel Approach for Image Text Skew Detection

and Correction using Hough Transform

AUTHOR/S : Priyanka Yadav

CONFERENCE: International Conference on Image Processing and

Capsule Network (ICIPCN-2024), Kathmandu University, Dhulikhel, Nepal, 3 to 4 July, 2024

TITLE : Stock Market Trends Analysis using Extreme

Gradient Boosting (XGBoost)

AUTHOR/S : Priyanka Sharma, Mayank Kumar Jain

CONFERENCE: IEEE International Conference on

Computing, Communications and Intelligent Systems (ICCCIS-2023), Sharda University, Greater Noida, UP, India, Muthoot Institute

of Technology and Science, Kochi;

3 to 4 November, 2023

TITLE : Analyzing Crop Yields for the Pricipal Crops of

Rajasthan using Machine Learning and Deep

Learning

AUTHOR/S : Priyanka Sharma

CONFERENCE: International Conference on Advanced

Computing Techniques in Engineering &

Technology (ACTET-2023), SKIT, Jaipur; 18 to 19

December, 2023

TITLE : Early Diabetes Detection using Random Forest

Classifier based on Machine Learning,

AUTHOR/S : Mani Buttwall, Priyanka Sharma, Pradnya patil

CONFERENCE: IEEE International Conference on Advances in

Sciences and Technology (ICAST-2023), SKIT,

Jaipur; 8 to 9 December, 2023

TITLE : A Study on Large Scale Applications of Big Data

in Modern Era

AUTHOR/S : Dharmi Kapadiya, Chezal Shekhawat,

Priyanka Sharma

CONFERENCE: International Conference on Information

Management & Machine Intelligence (ICIMMI-2023), PIET, Jaipur, 14 to 16

December, 2023

TITLE : Machine Learning-based Stock Market

Forecasting using Recurrent Neural Network

AUTHOR/S : Priyanka Sharma, Chirag Sharma, Pramod Mathur

CONFERENCE: IEEE International Conference on Smart

Computing and Communications (ICSCC 2023), Muthoot Institute of Technology and Science,

Kochi; 17 to 19 August, 2023

TITLE : Forecasting of Carbon Emissions and

Development of Renewable Energy in India

AUTHOR/S : Achin Srivastav, Deepak Kumar, Prem Singh,

Chandan Kumar and Nidhi Srivastav

CONFERENCE: International Conference on New and Renewable

Energy Resources for Sustainable Future; 2 to 4

November, 2023

FDPs ATTENDED

TITLE : Ethics & Integrity in Management Practices

DATE : 22 to 26 July, 2024 ATTENDED BY : Anjana Sangwan

ORGANIZED BY: Sushant University, Gurugram, India.

TITLE : Advancements in Data Science: Exploring

Cutting-Edge Techniques & its Applications

DATE : 27 to 31 May, 2024

ORGANIZED BY : Amity University, Rajasthan

ATTENDED BY : Shanu Tripathi, Priyanka Yadav, Saroj Agrawal

TITLE : Financial Education a Life Skills Under NEP 2020

DATE : 9 to 13 July, 2024 ATTENDED BY : Pankaj Dadheech

ORGANIZED BY : SKIT in association with Bulls and Bears

Associates

TITLE : Outcome-based Education Implementation and

Best Practices

DATE : 1 to 5 July, 2024 ATTENDED BY : Pankaj Dadheech

ORGANIZED BY: ICFAI University, Jaipur

TITLE : Industrial Internet of Things (IIoT)

DATE : 3 to 7 June, 2024 ATTENDED BY : Pankaj Dadheech

ORGANIZED BY : Geetanjali Institute of Technical Studies (GITS),

Udaipur

TITLE : Research Methods & Data Analysis using SPSS Applications of Al & Data Science in TITLE Healthcare software DATE : 18 to 22 March, 2024 DATE : 29 January to 3 February, 2024 ATTENDED BY : Shikha Srivastava ATTENDED BY Shanu Tripathi, Nikhar Bhatnagar, Dr. Sanwta ORGANIZED BY: Department of Management Studies and Ram Dogiwal, Astha Joshi, Sanju Chaudhary, Mechanical Engineering, SKIT M & G, Jaipur Richa Rawal, Naveen Jain, Anjali Pandey, Astha Joshi, Shikha Srivastava, Vipin Jain, TITLE : Generative AI Models and Applications of Praveen Yadav, Manoj Raman, Suchita Arora, Machine Learning Sunita Gupta, Shalini Singhal, Dolly Mittal, DATE : 21 to 25 May, 2024 Ritu Shukla ATTENDED BY : Saroj Agrawal, Priyanka yadav ORGANIZED BY : SKIT, Jaipur (Sponsored by ATAL Academy) ORGANIZED BY : Sri Vishnu Engineering College for Women. Andhara Pradesh : AI/ML and Data Science for Industry 4.0 TITLE DATE 29 January to 2 February, 2024 : Universal Human Values in Technical Education TITLE ATTENDED BY Archika Jain DATE : 20 to 22 June, 2024 ORGANIZED BY: NITTTR : Naveen Jain ATTENDED BY ORGANIZED BY : VGU university Jaipur TITLE : UHV in Higher Education for Viksit Bharat @2047 TITLE : Geotechnical Engineering Practice and its DATE : 16 to 20January, 2024 Sustainable Development -2024 ATTENDED BY Archika Jain, Priyanka Sharma, Hina Lala, : 18 to 22 June, 2024 DATE Aakriti Sharma, Nilam Choudhary, Amit Kumar ATTENDED BY : Naveen Jain Sharma, Shanu Tripathi, Richa Sharma, Maina ORGANIZED BY : Ballari Institute of Technology and Management, Changeriwal, Meenakshi Nawal, Barkha Jain, Ballari Department of Civil Engineering Megha Gupta, Mithlesh Arya, Praveen Yadav, Nikhar Bhatnagar, Sunita Gupta, Sanju TITLE : Navigation Tomorrow with Al ML Data Science Chaudhary, Richa Rawal, Suchita Arora, Astha for Intelligent Solution Joshi, Shalini Singhal, Naveen Jain, Manoj DATE : 19 to 23 March, 2024 Raman, Vipin Jain, Anjali Pandey, Dolly Mittal, ATTENDED BY : Manoj Raman Ritu Shukla ORGANIZED BY : Regional College for Education Research & ORGANIZED BY : UHV&E C and Department of Management Technology, Jaipur Studies, SKIT TITLE : IoTs and Embedded Systems : Applications of Al and Data Science in TITLE : 15 to 19 January, 2024 DATE Healthcare ATTENDED BY : Shanu Tripathi DATE : 29 January to 3 February, 2024 ORGANIZED BY: NITTTR, Chandigarh ATTENDED BY : Archika Jain ORGANIZED BY : SKIT, Jaipur TITLE : Tax Planning Financial Planning & Filing of ITR TITLE : Intellectual Property Rights, Product DATE : 21 to 25 February, 2024 Development & Entrepreneurship ATTENDED BY : Shanu Tripathi DATE : 13 to 17 February, 2024 ORGANIZED BY: SKIT, Jaipur ATTENDED BY Pankaj Dadheech ORGANIZED BY : Poornima College of Engineering, Jaipur TITLE : E-Learning Content Development DATE : 21 to 25 January, 2024 TITLE : A Comprehensive Exploration of Cognitronics ATTENDED BY : Shanu Tripathi, Archika Jain, Sanju by Unraveling Technologies Chaudhary, Sunita Gupta, Naveen Jain DATE : 6 to 10 February, 2024 ORGANIZED BY : SKIT, Jaipur ATTENDED BY : Pankaj Dadheech ORGANIZED BY: Poornima College of Engineering, Jaipur. TITLE : Recent Developments in Nano Electronics devices: Challenges and Opportunities TITLE : Al & NLP integrated IoMT System for Smart DATE : 11 to 16 December, 2023 Healthcare in Indian Languages ATTENDED BY : Shanu Tripathi DATE : 11 to 16 December, 2023 ORGANIZED BY : SKIT, Jaipur (Sponsored by ATAL Academy) ATTENDED BY : Pankaj Dadheech, Priyanak Sharma

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ORGANIZED BY: Poornima Institute of Engineering &

Technology, Jaipur

ORGANIZED BY : Edunet Foundation and EY GDS (Ernst &

Young) in partnership with AICTE-TLB

TITLE : Recent Trends in Communication, Computing

& Networking

DATE : 8 to 12 January, 2024

ATTENDED BY : Pankaj Dadheech

ORGANIZED BY: Poornima College of Engineering, Jaipur.

TITLE : Recent Trends in Science & Technology 2.0

DATE : 20 to 24 November, 2023

ATTENDED BY : Pankaj Dadheech

ORGANIZED BY: Arya College of Engineering and IT, Jaipur

TITLE : Advance Technologies in Artificial Intelligence

& Data Analytics

DATE : 19 to 23 February, 2024

ATTENDED BY : Nikhar Bhatnagar

ORGANIZED BY: Department of CSE, Astana IT University,

Astana, Kazakhstan

TITLE : Smart Manufacturing

DATE : 18 to 23 December, 2023

ATTENDED BY : Sunita Gupta

ORGANIZED BY: Department of Mechanical Engineering, SRM

Institute of Science and Technology,

Ramapuram

TITLE : Al Evolution: From Foundations to Generative

Al under TechSaksham

DATE : 11 to 15 December, 2023

ATTENDED BY : Richa Rawal, Suchita Arora, Sanju Chaudhary,

Praveen Yadav

ORGANIZED BY : Microsoft, SAP, AICTE

TITLE : Entrepreneurship Essentials

DATE : 4 to 16 December, 2023

ATTENDED BY : Richa Rawal

ORGANIZED BY : Chitkara University, Punjab

TITLE : Recent Trends in Science and Technologies 2.0

DATE : 20 to 24 November, 2023 ATTENDED BY : Sanwta Ram Dogiwal

ORGANIZED BY: Arya College of Engineering & I.T. Jaipur

TITLE : A Comprehensive Exploration of Cognitronics

by Unraveling Technologies

DATE : 6 to 10 February, 2024

ATTENDED BY : Nikhar Bhatnagar, Astha Joshi

ORGANIZED BY : PCE, Jaipur

TITLE : Building Advanced Data Analytics

Applications with Cloud

DATE : 11 to 15 September, 2023

ATTENDED BY : Pankaj Dadheech

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TITLE : Data Science & Artificial Intelligence for

Various Engineering Applications

DATE : 21 to 25 August, 2023

ATTENDED BY : Pankaj Dadheech, Naveen Jain

ORGANIZED BY: Arya College of Engineering and IT, Jaipur

TITLE : Unleashing Emerging Research Trends and

Advancements in Computer Science

DATE : 1 to 5 August, 2023

ATTENDED BY : Pankaj Dadheech, Nidhi Srivastava, Naveen Jain

ORGANIZED BY : Department of Computer Engineering &

Advance Computing in association with

ACM, Poornima College of Engineering, Jaipur

TITLE : Enhancing Research Impact: Grant Writing,

IPR and Publication Strategies

DATE : 31 July to 5 August, 2023

ATTENDED BY : Priyanka Sharma

ORGANIZED BY: School of Technology, Management &

Engineering NMIMS Indore

TITLE : Contemporary & Innovative Teaching

Pedagogy and Essential Skills for Educators

DATE : 24 to 31 July, 2023 ATTENDED BY : Nidhi Srivastav

ORGANISED BY: Maharishi University of Information

Technology, Lucknow

TITLE : Cloud Infrastructure (AWS)

DATE : 21 to 25 August, 2023

ATTENDED BY : Nikhar Bhatnagar

ORGANIZED BY : Department of CSE, GMR Institute of

Technology, Rajam, Andhra Pradesh.

TITLE : Open Source Tools for Research

DATE : 15 to 19 May, 2023 ATTENDED BY : Nikhar Bhatnagar

ORGANIZED BY: Manipal University, Jaipur in association with

NITTR, Chandigarh

NPTEL / mooKIT/ IITBX / SWAYAM COURSES COMPLETED

COURSE/TOPIC : Computer Networks and Internet

Protocol

COMPLETED BY : Anjana Sangwan

DURATION & CATEGORY : 12-week, Topper 5% (Elite+Silver)

COURSE/ TOPIC : Introduction to Internet of Things

COMPLETED BY : Pawan Kumar Patidar DURATION & CATEGORY : 12-week (Elite+Silver) COURSE/ TOPIC : Cloud Computing
COMPLETED BY : Manish Bhardwaj
DURATION & CATEGORY : 12-week, Elite

COURSE/ TOPIC : Computer Graphics
COMPLETED BY : Manish Bhardwaj

DURATION & CATEGORY : 12-week, Successfully Completed

COURSE/TOPIC : Introduction to Internet of Things

COMPLETED BY : Praveen Yadav

DURATION & CATEGORY : 12-week. Awarded Silver + Elite

Medal

COURSE/TOPIC : Microprocessor & Microcontroller

COMPLETED BY : Manju Choudhary

DURATION & CATEGORY : 12- week. Elite Medal

COURSE/TOPIC : Cloud Computing and Distributed

System

COMPLETED BY : Praveen Yadav

DURATION & CATEGORY : 8-week course, Awarded Silver +

Elite Medal

COURSE/TOPIC : The Joy of Computing using Python

COMPLETED BY : Manoj Raman

DURATION & CATEGORY : 12-week, Awarded Elite Medal

COURSE/TOPIC : NBA Accreditation and Teaching

Learning in Engineering (NATE)

COMPLETED BY : Manoj Raman

DURATION & CATEGORY : 12-week, Awarded Elite Medal

COURSE/TOPIC : Public Speaking COMPLETED BY : Shanu Tripathi

DURATION & CATEGORY : July to October, 2023 (12 week).

Awarded (Silver +Etite) certificate

COURSE/ TOPIC : Big Data Computing
COMPLETED BY : Praveen Kumar Yadav

DURATION & CATEGORY : July to October (8-week). Awarded

Elite Certificate, 2% Topper

COURSE/ TOPIC : Introduction to Machine Learning

COMPLETED BY : Sunita Gupta

DURATION & CATEGORY : July to October (8-week). Awarded

Elite Certificate, 5% Topper

NPTEL / mooKIT/ IITBX / SWAYAM COURSES MENTORED

MENTOR/S : COURSE/S

Archika Jain : Design and Analysis of Algorithms

Archika Jain : Programming in Modern C++

Manish Bhardwaj : Computer Graphics, Cloud Computing

Ph.D AWARDED

THESIS TITLE : Cloud Load Balancing Technique for

Optimal Resource Utilization

Ph.D. AWARDED TO: Anjana Sangwan SUPERVISED BY: Bright Keswani

INSTITUTE : Suresh Gyan Vihar University, Jaipur

YEAR : 2024

THESIS TITLE : Machine Learning based Approaches to

Hate Speech Detection for Finding

Sentiment Analysis

Ph.D. AWARDED TO: Archika Jain

SUPERVISED BY : Dr. Sandhya Sharma

INSTITUTE : Suresh Gyan Vihar University, Jaipur

YEAR : 2024

THESIS TITLE : Design And Analysis of Security Assurance

of Docker Containers over Cloud Computing

Ph.D. AWARDED TO: Aakriti Sharma

SUPERVISED BY : Dr. Sandhya Sharma

INSTITUTE : Suresh Gyan Vihar University, Jagatpura,

Jaipur

THESIS TITLE : Design a Machine Learning Framework for

the Sentiment based Specific Social Media

Text Classification

Ph.D. AWARDED TO: Kajal Mathur

SUPERVISED BY : Dr. Paresh Jain(Superviser), Dr. Sunita

Gupta (Co-Superviser)

INSTITUTE : Suresh Gyan Vihar University, Jagatpura,

Jaipur

M.TECH. SUPERVISED

DISSERTATION TOPIC: Design and Classification of

Cardiovascular Arrhythmia ECGs using

Deep Learning

NAME OF STUDENT : Anjana Kumari GUIDED BY : Pankaj Dadheech

PATENTS PUBLISHED

TITLE : IoT based Face Mask Detecting

and Body Temperature Measuring

Device

NAME : Pankaj Dadheech, Sunil.

Dhankhar, Sanwta Ram Dogiwal,

Mahender Kumar Beniwal,

Anjana Sangwan

PATENT FILED DATE : 6 June, 2023
PATENT PUBLISHED DATE : 26 April, 2024

TITLE : Published patent "Skin Disease

Identification using Machine

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Learning Algorithms (SVM, KNN

and RNN)"

NAME : Pawan Kumar Patidar, Sumit

Kumar, Manish Bhardwaj

PATENT PUBLISHED DATE : 11 August, 2023

TITLE : Machine Learning based Stress

Detection Device

NAME : Manish Bhardwaj, Pawan Kumar

Patidar, Sumit Kumar, Kajal Mathur, Mamta Sakpal, Budesh Kanwer,

Alka Rani, Richa Rawal,

Megha Gupta

PATENT FILED DATE : 13 February, 2024

PATENT PUBLISHED DATE: 5 April, 2024

SESSION CHAIRED

SESSION ON : Advancements in Technology and Security

CHAIRED BY : Pankaj Dadheech

DATE & VENUE : 29 to 30 April, 2024 at International

Conference on Advances in Information Communication Technology & Computing (AICTC-2024), South Kazakhstan Pedagogical University, Shymkent, Republic of Kazakhstan.

SESSION ON : Sustainable Data Security & Cloud Computing

CHAIRED BY : Pankai Dadheech

DATE & VENUE : 18 to 19 March, 2024 at International

Conference on Sustainable Computing (SUSCOM-2024), Sri Balaji College of

Engineering & Technology

SESSION ON : Cyber Physical Systems

CHAIRED BY : Pankaj Dadheech

DATE & VENUE : 7 to 9 December, 2023, International

Convention on Soft Computing and its Engineering Applications at Smt. Chandaben Mohan bhai Patel Institute of Computer

Applications, Charotar University of Science

and Technology, Changa...

SESSION ON : International Convention on Green

Environment, Technology & Entrepreneurship

through Innovation (ICGETEI-2023)

CHAIRED BY : Pankaj Dadheech

DATE & VENUE : 9 to 11 August, 2023 at Amity University, Jaipur

The end is often a beginning.

TEACHER-IN-SERVICE-PROGRAMME (TISP) ATTENDED

TITLE : Application of IoT in Industrial Automation

DATE : 7 October, 2023 ATTENDED BY : Pankaj Dadheech

ORGANIZED BY: IEEE Delhi Section and Poornima College of

Engineering, Jaipur

WORKSHOP ATTENDED

TITLE : Application of IoT in Industrial

Automation

DATE : 7 October, 2023
ATTENDEDBY : Archika Jain
ORGANIZED BY : PCE, Jaipur

STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE : Recent Trends in Communication, Computing

& Networking

DATE : 8 to 12 January, 2024

ATTENDED BY : Archika Jain, Nikhar Bhatnagar, Astha Joshi,

Praveen Yadav, Sunita Gupta, Naveen Jain,

Dolly Mittal

ORGANIZED BY : PCE, Jaipur

TITLE : Lab-Market 1.0 Recent Trends in Engineering

DATE : 9 to 13 December, 2023

ATTENDED BY : Manoj Raman, Ritu Shukla, Suchita Arora,

Naveen Jain

ORGANIZED BY : Department of Electrical Engineering, PCE,

Jaipur



EXPERT TALK DELIVERED

TITLE : Use of ICT Tools in Education

DATE & VENUE : 16 June, 2024; Kendriya Vidhayalay Sanghtan,

Jaipur Division

DELIVERED BY : Manish Bhardwaj

TITLE : The Current Status & the Future of Software

Defined Network

DATE & VENUE : 13 April, 2024 at International Workshop on

Software Defined Network facilitated by World

Resources Webinar, World Economic Forum

DELIVERED BY : Pankaj Dadheech

TITLE: National Conference on Advancement of

Information Technology (NCAIT-2024)

DATE & VENUE : 1 to 2 March, 2024 at Arya College of

Engineering & IT, Kukas, Jaipur

DELIVERED BY : Pankaj Dadheech

TITLE : Al in Education: Transforming Learning for the

Future

DATE & VENUE : 25 May, 2024 at International Workshop on Al

in Education facilitated by World Resources

Webinar, World Economic Forum

DELIVERED BY : Pankaj Dadheech

TITLE : Data Analytics for IoT

DATE & VENUE : 15 June, 2024 at International Workshop on

IoT Application facilitated by World Resources

Webinar, World Economic Forum

DELIVERED BY : Pankaj Dadheech

TITLE : Future of Generative AI

DATE & VENUE : 13 July, 2024 at International Workshop on

Generative Al facilitated by World Resources

Webinar, World Economic Forum

DELIVERED BY : Pankaj Dadheech

TITLE : Network Security & Cryptographic Checksums

DATE & VENUE : 11 November, 2023 facilitated by World

Resources Webinar, World Economic Forum.

DELIVERED BY : Pankaj Dadheech

TITLE : Cloud Computing: How Cloud computing

is changing IT

DATE & VENUE : 10 February, 2024 facilitated by World

Resources Webinar, World Economic Forum.

DELIVERED BY : Pankaj Dadheech

TITLE : Reinforcement Learning: Problems and

Solutions

DATE & VENUE : International Workshop on 'Reinforcement

Learning', 14 October, 2023 facilitated by World Resources Webinar, World Economic

Forum

DELIVERED BY : Pankaj Dadheech

DEPARTMENT OF MECHANICAL ENGINEERING

FDP ON 'ENERGIZING SUSTAINABILITY THROUGH RENEWABLE ENERGY SYSTEMS' ORGANIZED

A one-week Faculty Development Program (FDP) on 'Energizing Sustainability through Renewable Energy Systems' was organized from 18 to 22 March, 2024 with an objective to equip faculty members with comprehensive insights into various renewable energy systems, technologies, and their practical applications. Furthermore, the program sought to cultivate proficiency in the strategic planning and execution of renewable energy projects, considering technical, financial, and regulatory dimensions, while fostering networking and collaborative opportunities among participants.

The inaugural ceremony was graced by the presence of the Chief Guest Prof. Dilip Sharma from MNIT Jaipur, who talked about the Solar-powered Rapid Bulk Milk Cooler. This was followed by a session of Dr. Menka Yadav from MNIT, who gave an insightful talk on third generation solar cells. On the second day of the FDP, Prof. PMV Subbarao from IIT Delhi delivered an expert discourse on the Development of Accurate and Real-time Thermal Models for Solar PV Systems. Following this, Prof. K Sudhakar from Universiti Malaysia Pahang elucidated the challenges and solutions for sustainability in the construction sector through insightful case studies. The third day of the FDP commenced with an expert presentation by Prof. Deepak Sharma, a retired Professor from CTAE Udaipur, who discussed on the potential of compressed biogas as a future fuel. Subsequently, Dr. Deepali Atheaya from Bennett University, Greater Noida, addressed the audience on the experiences and challenges associated with solar drying systems for crop drying. She provided valuable insights into the operational hurdles encountered during the deployment of solar dryers for diverse crop varieties.

On the fourth day of the FDP, Dr. K. B. Rana from Rajasthan Technical University, Kota deliberated on Modelling and Simulation-based Performance Analysis of Small Scale Horizontal Axis Wind Turbine Blade Profiles, Following this session, Dr. Brajesh Tripathi from RTU, Kota explored the utilization of Computational Fluid Dynamics (CFD) in enhancing the sustainability of renewable energy systems. The final day of the FDP commenced with an informative talk by Prof. Ashish Nayyar from SKIT, Jaipur on the Performance Assessment of Diesel Engines with Exhaust Gas

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Recirculation. In the concluding session, Dr. Dheeraj Dhaked from ITT, Guwahati presented the application of Machine Learning in developing models for Proton Exchange Membrane Fuel Cells (PEMFC. The overwhelming response of over 550 registrations from across the country showcased the significance of such FDPs in fostering research and knowledge exchange.

Mr. Dinesh Kumar Sharma and Mr. Ankit Agarwal were the coordinators of the FDP.

WORKSHOP ON 'RESEARCH METHODOLOGY & DATA ANALYTICS (RMDA)' ORGANIZED

A five-day workshop on 'Research Methodology and Data Analytics' was organized from 11 to 16 April, 2024 with an objective to introduce the participants with the concept and techniques of Research Methodology and Data Analytics.

Dr. Achin Srivastav, Dr. Deepak Kumar, Prof. Brijesh Awasthi and Dr. Manoj Kumar Sain from the Department of Mechanical Engineering., SKIT, Jaipur conducted sessions on various topics such as Descriptive Analysis followed by hands-on practice on Excel and SPSS software, Significance of Research Methodology and Use of Correlation and Regression Analysis, Use of Pivot Tables in MS Excel, Use of Paired t-tests, Significance of Hypothesis Testing in Research, Significance of Null and Alternative Hypotheses, Importance and Application of the Time Series and ARIMA Method to students.

About 35 participants including the M.Tech. and Ph.D scholars participated in the event.

EXPERT TALK ON 'CLIMATE CHANGE AND CORRECTIVE ACTIONS' ORGANIZED

An expert talk on 'Climate Change and Corrective Actions' by Prof. Chetan Singh Solanki from the Dept. of Energy Science and Engineering, IIT Bombay (Energy Swaraj Foundation) was organized on 6 April, 2024 with an objective to sensitize the students about climate change which has become a pressing global issue in the present time.

Prof. Solanki explained the importance of solar energy in mitigating climate change by providing a clean, renewable alternative to fossil fuels. He further explained the need to reduce greenhouse gas emissions and discussed about the importance of solar power with applications ranging from residential rooftops to large-scale utility plants, offering decentralized energy generation and resilience. The vote of thanks was given by Prof. S.L. Surana (Director Academics), SKIT Jaipur.

EXPERT TALK ON 'CLIMATE CHANGE AND CORRECTIVE ACTIONS' ORGANIZED

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EXPERT TALK ON 'CAREER OPPORTUNITIES AND GROWTH IN ARTIFICIAL INTELLIGENCE AFTER MECHANICAL ENGINEERING' ORGANIZED

An expert talk on 'Career Opportunities and Growth in Artificial Intelligence after Mechanical Engineering' by Mr. Yuganshu Sharma, Alumnus, Dept. of Mechanical Engineering, SKIT was organized on 7 March, 2024 with an objective to introduce the students with the importance of coding in the field of Mechanical Engineering. He further discussed about automation solutions, coding can offer for tasks like simulation, data analysis & optimization and also discussed about the importance of Python for developing software tools to enhance design, manufacturing, and maintenance processes.

The vote of thanks was given by Dr. Deepak Kumar from the Dept. of ME, SKIT.



INTERNATIONAL CONFERENCE ON 'NEW AND RENEWABLE ENERGY RESOURCES FOR SUSTAINABLE FUTURE' ORGANIZED

The 4th International Conference on 'New and Renewable Energy Resources for Sustainable Future' (ICONRER-2023) was organized in collaboration with the Institution of Engineers India (IEI) and the Department of Mechanical Engineering, Assuit University, Egypt from 2 to 4 November, 2023.

The inaugural ceremony was graced by the presence of the Chief Guest, Shri Ajitabh Sharma, Chairman and Managing Director of Jaipur City Transport Services Limited, Jaipur; the Presiding Guest. Shri Anil K Narang from the Department of Atomic Energy, Bhabha Atomic Research Centre, and the Guest of Honor, Dr. Golo J. Pilz. President of India Care Trust, Berlin, Germany and Adviser on Renewable Energy at the Brahmkumaris Ashram, Abu Road, Rajasthan. Shri Ajitabh emphasized upon the dire need for sustainable solution and motivated the students to engage themselves in the realms of renewable and sustainable energy positioning India as a global leader. Thereafter, Shri Anil K Narang highlighted about the technological advancements in the field of nuclear energy, and Dr. Golo J Pilz described the sustainable practices being followed at the Brahmkumari ashram, Mount Abu in the form of solar cooking system to meet the cooking need and solar pv system to meet other energy needs in a sustainable way for past 25 years. He also mentioned about the installation of 1MW solar CSP based thermal power plant to meet the electricity needs. Prof. Dheeraj Joshi, Head, Dept. of ME proposed the vote of thanks. This was followed by a session of Dr. Akhilendra Pratap Singh from the Indian Institute of Technology, BHU who presented his research on the development of Homogenous Charged Compression Ignition (HCCI) Engines. He mentioned the challenges and opportunities with HCCI engines. Shri Subir Karmakar, Deputy General Manager, NTPC Limited delivered the keynote address during the conference.

The day 2 of the conference began with a plenary talk by Prof. Dilip Sharma from MNIT, Jaipur on the topic, Journey from IC engines to Electric Vehicles'. He added that hybrid Engines are the need of hour and emphasized that transition of energy is towards improvement in H/C ration which will be infinite with hydrogen as a fuel. This was followed by a session of Dr. Ravindra Kumar Sharma from Bhabha Atomic Research Centre, Trombay who presented his research on the development of energy storage technology with emphasis on capacitor energy storage technologies. The participants were also taken on an industrial visit to IOCL operated Compressed Biogas Plant at Hingonia Gaushala, Jaipur where they saw the production of nearly 3000 m3 gas using the cow dung. In addition to this, participants also visited the milking process and its cooling, pasteurization and packaging followed by a delightful conference lunch.



On day 3, Prof. PMV Subbarao enlightened the gathering with his talk on the development of sustainability indices. He explained the theory of energy and explained the sustainable way to operationalize nature's blessings in the form of anna. In the same session, Dr. Narayan Lal Jain delivered his plenary talk on biofuels and its classification.

Prof. Ashish Nayyar was the chief coordinator of the conference, while Mr. Dinesh Kumar Sharma, Mr. Ankit Agarwal and Dr. Chandan Kumar were the convenors and Mr. Naveen Kumar Sain was the organizing secretary. Over 300 papers were submitted and the Conference Proceeding titled 'Energy and Sustainability' was also published.

EXPERT TALK ON 'CARBON NEUTRALITY IN FIELD OF CREMATION WITH ENVIRONMENT PROTECTION AND CONSERVATION' ORGANIZED

An expert talk on 'Carbon Neutrality in Field of Cremation with Environment Protection and Conservation' by Mr. Sitaram Gupta, Founder - Gaumaya Pariwar Startup, MNIT Innovation & Incubation Centre (MIIC), Jaipur & National Institute of Agricultural Marketing, Govt. of India was organized on 28 February, 2024. He emphasized on the religious importance of cow dung in cremation process, cow dung's Palletization process and cow as an

economical and sustainable model for the society. The vote of thanks was given by Prof. Ashish Nayyar. A total of 44 students participated in the talk.



PRE-CONFERENCE SHORT-TERM TRAINING PROGRAMME ON 'IC ENGINE TESTING AND SIMULATION'

A five-day pre-conference Short-Term Training Programme (STTP) on 'IC Engine Testing and Simulation' was conducted from 10 to 14 October, 2023 in hybrid mode. The inaugural ceremony was graced by the presence of the chief guest, Prof. Dilip Sharma from MNIT, Jaipur. He gave his valuable insights on Diesel RK Software and the Impact of Alternative Fuels on Engine Performance.

The entire event consisted of eight sessions, each throwing light on various facets of IC Engine Testing and Simulation. Dr. Sanjay Patil, General Manager at ARAI; Dr. Chandan Kumar, SKIT; Dr. Anmesh Srivastav, NIT Patna; Dr. Vinod Singh Yadav, NIT, UK; Prof. Ashish Nayyar, SKIT; Dr. K. K. Khatri, LNMIIT, Jaipur and Prof. Rahul Goyal from Manipal University, Jaipur gave talks on various topics like Significance of Alternative Fuels, Numerically Simulating Experimental Data, Application of Hybridization and Electrification Technologies in Existing Vehicles, Myths and Realities about Alternative Fuels, Concept of Modeling Experimental Data using various Tools, Performance and Emission Characteristics of Dual



Fuel Engines using Biogas and Hydrogen, Diverse Methods for Engine Performance and Testing respectively. Practical sessions were also conducted focusing on troubleshooting Simulation Software and addressing real-world problems

This event contributed significantly to the understanding and advancement of IC Engine Testing and Simulation in the context of evolving technologies and alternative fuels.

TECHFEST ZONAL TECHNORIAN-2023 ORGANIZED

Tech Fest Zonal 'Technorion-2023' was organized by the Robotics Club of the Mechanical Department under the aegis of IIT, Bombay on 15 October, 2023. Interesting competitions like Code-Decode, Cosmo-Clench, Mesmerize, as well as Olympiad were held in the Tech Fest. More than 600 participants from various engineering colleges and schools participated in the program. Prof. S.L. Surana, Director (Academics) distributed prizes and conveyed his best wishes to the participants. The program was coordinated by Mr. Sudesh Garg and Mr. Brij Mohan Sharma. The competitions were conducted under the supervision of Mr. Praveen Saraswat, Mr. Arun Beniwal. and Mr. Pramod Jain.



EXPERT TALK ON 'STRATEGY TO CRACK GATE & OTHER COMPETITIVE EXAMS' ORGANIZED

An expert talk on 'Strategy to Crack GATE & Other Competitive Exams' was given by Mr. Jitendra Tiwari (Education Expert) on 31 October, 2023. He explained the importance of GATE exam and discussed about the effective preparation planning for GATE and

other competitive examinations. Mr. Tiwari highlighted the importance of self-made notes for quick revision and talked about various career opportunities. He also guided the students about different phases of recruitment like written test, GD and interview. Approximately 200 participants attended the session.



BOOK CHAPTERS PUBLISHED

BOOK : Digital Technology Method and Process

AUTHOR/S : Nikhil Sharma, Chandan Kumar

BOOK CHAPTER : Wind and Solar Energy in Agriculture

using Machine learning, pp-282-286, 2024

PUBLISHER : Geh Press, Technical and Scientific Book

Publisher

BOOK : Digital Technology Method and Process

AUTHOR/S : Yogesh Kumar Sharma

BOOK CHAPTER : Supply Chain Manage using Blockchain,

pp-305-309, 2024

PUBLISHER : Geh Press, Technical and Scientific Book

Publisher

BOOK PUBLISHED

TITLE : Elementary Mechanical Engineering

AUTHOR/S : Raj Kumar, Kedar Narayan Bairwa, Amit Jhalani PUBLISHER : Iterative International Publishers, October, 2023

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

TITLE : A Review of an Engineered Pathway for

the Biosynthesis of Renewable Hydrogen

AUTHOR/S : Madhukar Kumar, Chandra Mohan Kumar,

Amit Kumar Bansal, Sudesh Garg, Manoj

Kumar, Sanjay Chaudhary

PROCEEDING : ICEPADM 2024, organized by the

Department of Chemistry, SKIT Jaipur, 28

to 30 March, 2024

TITLE : Advances in Supersonic Jet Mixing: A Review

AUTHOR/S : Nikhil Sharma

PROCEEDING : ICETISD-2024, Poornima University, 25

to 27 April, 2024

TITLE : Challenges and Strategies for Enhancing

Economic Growth in the Indian Business

Economy: A Review Paper

AUTHOR/S : Chandra Mohan Kumar, Prem Singh, Amit

Kumar Bansal, Sudesh Garg, Madhukar

Kumar, Sunil Kumar

PROCEEDING : ICMBE 2024, organized by the Department

of Management Studies, SKIT Jaipur, 24 to

25 April, 2024

TITLE : Drivers and Barriers of Sustainability

Implementation in Sustainable Supply Chain

Practices: A Review

AUTHOR/S : Vishnu Jangid, Yogesh Kumar Sharma,

Saurabh Gupta, Vinay Singh Marwal

PROCEEDING : ICEPADM 2024, organized by the

Department of Chemistry, SKIT Jaipur,

28 to 30 March, 2024

TITLE : Energy Management in Indian Smart

Cities: Challenges and Opportunities.

AUTHOR/S : Chandra Mohan Kumar, Prem Singh, Amit

Kumar Bansal, Sudesh Garg, Madhukar Kumar

PROCEEDING : ICEPADM 2024, organized by the

Department of Chemistry, SKIT Jaipur,

28 to 30 March, 2024

TITLE : Green Filaments: Recycling Plastic Waste

for Sustainable 3D Printing Filament

Production-A Review

AUTHOR/S : Vinay Singh Marwal, Brijmohan Sharma,

Vishnu Jangid, Sharda Soni

PROCEEDING : ICEPADM 2024, organized by the

Department of Chemistry, SKIT Jaipur,

28 to 30 March, 2024

TITLE: Numerical Investigation of Drag and Lift

Coefficient of Flow Past Circular Cylinder in Staggered Position at Low Reynolds Number

AUTHOR/S : Nikhil Sharma, Sunil Kumar, Monika Khurana,

Manoj Kumar, Mohammed Suhaib

PROCEEDING : ICETISD-2024, Poornima University,

25 to 27 April, 2024

TITLE : Energy Consumption Analysis of Welding

Techniques: A Comparative Review

AUTHOR/S : Brij Mohan Sharma, Manu Augustine,

Naveen Kumar, Saurabh Gupta

PROCEEDING : ICONRER 2023, organized by Department of

Mechanical Engineering, SKIT, Jaipur, 2 to 4

November, 2023

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TITLE	 Challenges in Battery Thermal Management for Electric Vehicles: A Bibliometric Analysis 	PROCEEDING	 ICONRER 2023, organized by Department of Mechanical Engineering, SKIT Jaipur,
AUTHOR/S	: Naveen Kumar Sain, Chandan Kumar, Praveen Saraswat, Manu Augustine, Ashish Nayyar		2 to 4 November, 2023
PROCEEDING	: ICONRER 2023, organized by Department of	TITLE	
PROCEEDING	Mechanical Engineering, SKIT Jaipur, 2 to 4 November, 2023	TITLE	A Conceptual Framework for Achieving Sustainability in Supply Chain using Industry 4.0 Technologies in Emerging Economies
		AUTHOR/S	: Vaibhav Sharma, Praveen Saraswat,
TITLE	: Thermal Management Solutions using PCM		Rajeev Agrawal
	for Photovoltaic Panels: A Critical Review of	PROCEEDING	: FIP WG 8.6 Conference 2023, 15 to 16
	Performance.	11100000110	December 2023 at IIM Nagpur
AUTHOR/S	: Arun Beniwal, Chandan Kumar, Manu		December 2025 at in Magpar
	Augustine, Naveen Kumar Sain	TITLE	A Device of Nuclear Energy Contringhility and
PROCEEDING	: ICONRER 2023, organized by Department of	TITLE	: A Review of Nuclear Energy: Sustainability and
	Mechanical Engineering, SKIT Jaipur, 2 to 4	41571000	Environmental Friendliness for the Future
	November, 2023	AUTHOR/S	: Brij Mohan Sharma, Arun Beniwal, Vinay
			Singh Marwal, Avinash Mittal
TITLE	: Performance and Emission of Diesel Engine	PROCEEDING	: ICONRER 2023, organized by Department
	fueled by blend of Additives, Biodiesel, and		of Mechanical Engineering, SKIT Jaipur,
	Nanoparticles.		2 to 4 November, 2023
AUTHOR/S	: Nitin Goyal, Monika Khurana, Namita Soni,		
	Monu Gupta, Sumita	TITLE	: Exploration of Diesel-oxygenated Fuel
PROCEEDING	: ICONRER 2023, organized by Department of		Blends: An Experimental Investigation and
	Mechanical Engineering, SKIT Jaipur,		Numerical Simulation
	2 to 4 November, 2023	AUTHOR/S	: Chandan Kumar, Mukesh Kumar, Umesh
			Kumar Das, K. B. Rana, Sumit Sharma, Achin
TITLE	: Recent Advances and Trends in Carbon		Srivastav and Naveen Kumar Sain
MINORE:	Dioxide Capture Technologies: A Review.	PROCEEDING	: ICONRER 2023, organized by
AUTHOR/S	: Brij Mohan Sharma, Sandeep Kumar Bhaskar,		Department of Mechanical Engineering,
	Manu Augustine, Vinay Singh Marwal, Vikash		SKIT Jaipur, 2 to 4 November, 2023
	Gautam		
PROCEEDING	: ICONRER 2023, organized by Department of	TITLE	: Vibration Behavior Analysis of Functionally
	Mechanical Engineering, SKIT Jaipur, 2 to 4	WWW	Graded Annular Piezoelectric Plate for Free
	November, 2023		Free Boundary Conditions
		AUTHOR/S	: Trivendra Kumar Sharma, Madhukar K
TITLE	: Sustainable Machining Practices during Milling	201110100	Raichand, Chandra Mohan Kumar, Prem
	Process: A Review		Singh, Sanjay Choudhary, Sanjay Bairwa.
AUTHOR/S	: Sandeep Kumar Bhaskar, Manoj Kumar Sain,	PROCEEDING	: Proceedings of ICONRER-2023, organized by
7047777777777	Praveen Saraswat	PROCEEDING	
PROCEEDING	: ICONRER 2023, organized by Department		Department of Mechanical Engineering, SKIT
	of Mechanical Engineering, SKIT Jaipur,		Jaipur, 2 to 4 November, 2023
	2 to 4 November, 2023	T.T. 5	
	65.1544.1744.552.0745.5345	TITLE	: Experimental Insights into Charging and
TITLE	: Application of Python Software in Improvement		Discharging Behavior of a Triplex Tube Heat
CA TANAMA	of Plastic Injected Mould Thin Shell		Exchanger-Based Latent Thermal Energy
	Components with Taguchi Method and GA		Storage System
AUTHOR/S	: Deepak Kumar, Achin Srivastav and	AUTHOR/S	: Sanjay Choudhary, Dinesh Kumar Sharma,
	Vikash Gautam		Dilip Sharma, Digambar Singh, Saurabh
PROCEEDING	: ICONRER 2023, organized by Department		Gupta.
	of Mechanical Engineering, SKIT Jaipur,	PROCEEDING	: Proceedings of ICONRER-2023, organized by
	2 to November, 2023		Department of Mechanical Engineering, SKIT
			Jaipur, 2 to 4 November, 2023
TITLE	: Forecasting of Carbon Emissions and		
The state of the s	Development of Renewable Energy in India	TITLE	: Design and Analysis of a Phase Change
AUTHOR/S	: Achin Srivastav, Deepak Kumar, Prem Singh,		Material-based Thermal Energy Storage
	Chandan Kumar and Nidhi Srivastav		System for Enhanced Solar Energy Utilization

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AUTHOR/C	Series Charles Direct Viscos Charles	TITLE	Analisation of Large based Manufactures
AUTHOR/S	 Sanjay Choudhary, Dinesh Kumar Sharma, Trivendra Kumar Sharma, Sanjay Bairwa, 	TITLE	: Application of Laser-based Manufacturing Processes for Aerospace Applications
	Manoj Kumar Saini, Sunil Kumar	AUTHOR/S	: Aditya Purohit, Brij Mohan Sharma, Tapas
PROCEEDING	: ICORNER-2023, organized by Department of		Bajpai, Pankaj Kumar Gupta
	Mechanical Engineering, SKIT Jaipur, 2 to 4 November, 2023	PROCEEDING	: Proceedings of ICONRER-2023.
		TITLE	: Development and Improvement in Heat
TITLE	 Operational Issues and Challenges for a Solar Powered Vapor Absorption Cooling System 		Transfer and Friction Behaviour of Solar Air Heater
	Integrated with Hybrid Thermal Energy Storage for Dual Applications of Milk Chilling	AUTHOR/S	: Raj Kumar, Kedar Narayan Bairwa, Amit Jhalani
AUTHOR/S	and Space Cooling Dinesh Kumar Sharma, Dilip Sharma, Ahmed	PROCEEDING	: Proceedings of ICONRER-2023.
	Hamza H Ali, Vishnu Agarwal, Hemant Raj Singh	TITLE	: A Review on Solid Biomass Fuel as a Sustainable Energy Source
PROCEEDING	: ICORNER-2023, organized by Department of Mechanical Engineering, SKIT Jaipur,	AUTHOR/S	: Naveen Kumar Sain, Chandan Kumar, Ashish Nayyar, K. B. Rana
	2 to 4 November, 2023	PROCEEDING	: ICONRER 2023, organized by Department of Mechanical Engineering, SKIT Jaipur,
TITLE	: Solar Surge: Accelerating Sustainability through the Expansion of Solar Energy		2 to 4 November, 2023
	Installations	TITLE	: Drying Kinetics and Quality Assessment of
AUTHOR/S	: Dinesh Kumar Sharma, Dilip Sharma, Ahmed Hamza H Ali, Vishnu Agarwal, Hemant Raj		Curry Leaves in an Indirect Solar Dryer with Thermal Energy Storage
	Singh	AUTHOR/S	: Ankit Kumar Agarwal, Chandan Kumar, Amit
PROCEEDING	: National Summit on Green and Digital		Jhalani, Arun Beniwal, Naveen Kumar Sain
	Technology for Sustainable Future organized by IIT Roorkee Alumni Association Jaipur Chapter, February 17, 2024 at Rajasthan	PROCEEDING	 ICONRER 2023, organized by Department of Mechanical Engineering, SKIT Jaipur, 2 to 4 November, 2023
	International Center (RIC), Jaipur, Rajasthan.		
TITLE	: A Critical Review on the Impact of	TITLE	 Experimental Investigation and Simulation of Fuel Blends and Exhaust Gas Recirculatio
	Slaughterhouses and Meat Production	7750 BANKANANA	(EGR) in CI Engine
AUTHOR/S	Industries on Global Warming : Amit Jhalani, Raj Kumar, Ankit Agarwal, Arun	AUTHOR/S	 Chandan Kumar, Ashish Nayyar, Ankit Kumar Agarwal, Naveen Kumar Sain
	Beniwal, Trivendra Kumar Sharma	PROCEEDING	: ICONRER 2023, organized by Department of
PROCEEDING	 Proceedings of ICONRER-2023, organized by Department of Mechanical Engineering, SKIT 		Mechanical Engineering, SKIT Jaipur, 2 to 4 November, 2023
	Jaipur, 2 to 4 November, 2023	TITLE	A.C
TITLE	: A Review on Baffle and Tube Orientation for Augmented Heat Transfer in Shell and-Tube	TITLE	A Comprehensive Framework for Sustainability Assessment in a Shielded Metal Arc Welding (SMAW) Process
	Heat Exchangers	AUTHOR/S	: Dheeraj Joshi, Praveen Saraswat, Sandeep
AUTHOR/S	: Arun Beniwal, Ashish Nayyar, Chandan		Kumar Bhaskar
PROCEEDING	Kumar, Brij Mohan Sharma : Proceedings of ICONRER-2023.	PROCEEDING	: ICONRER 2023
A. 19335777711A		TITLE	: Design and Analysis of a Phase Change
TITLE	: Enhancing Solar Dryer Design and		Material based Thermal Energy Storage
	Performance: A Review of Indirect Type Solar		System for Enhanced Solar Energy Utilization
	Dryers	AUTHOR/S	: Sanjay Choudhary, Dinesh Kumar Sharma,
AUTHOR/S	: Arun Beniwal, Chandan Kumar, K. B. Rana, Ankit Kumar Agarwal		Trivendra Kumar Sharma, Sanjay Bairwa, Manoj Kumar Saini, Sunil Kumar
PROCEEDING	: Proceedings of ICONRER-2023.	PROCEEDING	: Proceedings of ICONRER 2023
Washington Walley William		AND AND THE PARTY OF THE PARTY	

TITLE : Effect of SiC, Graphite, and Marble Dust on

Mechanical Properties of Al6063 Hybrid

Metal Matrix Composite

AUTHOR/S : Prashant Kumar, Dheeraj Joshi , Bhavana

Mathur, Vikash Gautam

PROCEEDING : Proceedings of International Conference on

Digitization and Advancements in Materials

and Metallurgical Industries, 19 to 20 August,

2023

TITLE : Feasibility Evaluation and Numerical

Simulation of Diesel-Diethyl Ether-2-Methoxy Ethyl Ether Blends Fueling in

Stationary CI Engine

AUTHOR/S : Chandan Kumar, Mukesh Kumar, Umesh

Kumar Das, Sumit Sharma

PROCEEDING : Proceedings of International Conference on

Sustainable Energy, Environment and Green Technologies (ICSEEGT-2023), Poornima

College of Engineering, Jaipur.

FDPs ATTENDED

TITLE : Energizing Sustainability through Renewable

Energy System.

DATE : 18 to 22 March, 2024.

ATTENDED BY : Ashish Nayyar, Dharmendra Hariyani, Arun

Beniwal, Chandra Mohan Kumar, Naveen

Kumar Sain, Monu Gupta

ORGANIZED BY : SKIT, Jaipur

TITLE : Research Methods and Data Analysis using

SPSS Software.

DATE : 18 to 22 March, 2024.

ATTENDED BY : Deepak Kumar, Praveen Saraswat, Sandeep

Kumar Bhaskar

ORGANIZED BY : Department of Management Studies & ME

Department, SKIT Jaipur.

TITLE : Al & ML Applications in Industries.

DATE : 15 to 19 April, 2024.

ATTENDED BY : Dharmendra Hariyani, Raj Kumar, Yogesh

Kumar Sharma

ORGANIZED BY : Anand International College of Engineering,

Jaipur.

TITLE : Indian Knowledge System IKS.

DATE : 18 to 23 December, 2023.

ATTENDED BY : Amit Kumar Bansal

ORGANIZED BY : National Sanskrit University, Tirupati, AP

TITLE : Effective Curriculum Design

DATE : 16 to 22 March, 2024

ATTENDED BY : Vinay Singh Marwal ORGANIZED BY : NITTR, Chandigarh.

TITLE : E-Learning Content Development

DATE : 21 to 25 April, 2024

ATTENDED BY : Vikash Gautam ORGANIZED BY : SKIT, Jaipur

TITLE : Recent Developments in Nano-Electronic

Devices Challenges and Opportunities

DATE : 11 to 16 December, 2023.

ATTENDED BY : Manoj Kumar Sain, Ankit Kumar Agarwal,

Praveen Saraswat, Chandan Kumar, Sudesh Garq, Madhukar Kumar

ORGANIZED BY : AICTE ATAL and SKIT, Jaipur

TITLE : Additive Manufacturing Advancements

and Different Applications (AMADA-23)

DATE : 26 to 31 December, 2023.

ATTENDED BY : Manoj Kumar Sain, Dharmendra Hariyani,

Ankit Kumar Agarwal, Amit Kumar Bansal, Vinay Singh Marwal, Achin Srivastav, Prem Singh, Monika Khurana, Nitin Goyal, Saurabh Gupta, Sudesh Garg, Chandra Mohan Kumar, Brij Mohan Sharma, Vishnu Jangid, Amit Jhalani, Monu Gupta,

Sunil Kumar, Namita Soni, Madhukar Kumar,

Nikhil Sharma, Manoj Kumar,

Mohd. Suhaib Ansari

ORGANIZED BY : SRM Institute of Science and

Technology, Chennai

TITLE : Entrepreneurship Essentials,

DATE : 4 to 16 December, 2023.

ATTENDED BY : Deepak Kumar, Ankit Kumar Agarwal,

Achin Srivastav, Prem Singh, Monu Gupta,

Sanjay Bairwa, Trivendra Kumar Sharma

ORGANIZED BY : Chitkara University, Punjab

TITLE : Smart Manufacturing

DATE : 18 to 23 December, 2023.

ATTENDED BY : Deepak Kumar, Amit Kumar Bansal,

Vikash Gautam, Achin Srivastav, Prem Singh, Monika Khurana, Saurabh Gupta, Sudesh Garg, Chandra Mohan Kumar, Brij Mohan Sharma, Vishnu Jangid, Sunit Kumar, Madhukar Kumar, Manoj Kumar

ORGANIZED BY : SRM Institute of Science and Technology,

Ramapuram

TITLE : Universal Human Values

DATE : 16 to 20January, 2024

ATTENDED BY : Deepak Kumar, Chandan Kumar, Vinay Singh

Marwal, Nitin Goyal, Arun Beniwal, Chandra

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Mohan Kumar, Brij Mohan Sharma, Raj TITLE : Intellectual Property Rights, Product Kumar, Amit Jhalani, Sunil Kumar, Madhukar Development & Entrepreneurship DATE : 13 to 17 February, 2024 Kumar, Trivendra Kumar Sharma, ATTENDED BY : Sudesh Garg, Raj Kumar, Monu Gupta, Sanjay Choudhary Sunil Kumar, Amit Jhalani ORGANIZED BY ; SKIT, Jaipur ORGANIZED BY : Poornima Innovation & Incubation Cell, PCE, Jaipur. TITLE : Intellectual Property Right and Patent Drafting TITLE : Latest Trend and Techniques in Software DATE : 4 to 12 January, 2024 Engineering: An industry Perspective ATTENDED BY : Vinay Singh Marwal, Prem Singh, Arun DATE : 20 to 27 January, 2024 Beniwal, Chandra Mohan Kumar, Brij Mohan ATTENDED BY : Monu Gupta Sharma, Vishnu Jangid, Amit Jhalani, ORGANIZED BY : CHRIST University Bangalore Madhukar Kumar ORGANIZED BY : AMET University, Chennai TITLE : Health and Wellness for Managing a Healthy Lifestyle. TITLE : Design, Process and Application of Additive DATE : 27 November to 1 December, 2023 Manufacturing ATTENDED BY : Sanjay Bairwa DATE : 22 to 27 January, 2024 ORGANIZED BY : Vidya Vikas Institute of Engineering & ATTENDED BY : Amit Kumar Bansal, Vinay Singh Marwal, Technology, Mysuru Prem Singh, Saurabh Gupta, Chandra Mohan Kumar, Brij Mohan Sharma, Sunil Kumar TITLE : Qualitative Research Analysis using ORGANIZED BY : EASA College, Palakkadu, Coimbatore NVivo Software. DATE : 20 to 24 January, 2024 TITLE : E- Learning Content Development ATTENDED BY : Sunil Kumar DATE ; 21 to 24 January, 2024 ORGANIZED BY : XIMI, Jaipur. ATTENDED BY : Chandan Kumar, Vinay Singh Marwal, Achin. Srivastav, Nitin Goyal, Saurabh Gupta, Monu TITLE : Sustainable Environment - An Engineering Perspective, 2024 Gupta, Sanjay Choudhary, Sanjay Bairwa, DATE : 8 to 13 January, 2024 Sunil Kumar, Namita Soni, Yogesh Kumar ATTENDED BY : Sunil Kumar, Nikhil Sharma, Sharma, Nikhil Sharma, Mohd. Suhaib Ansari Mohd. Suhaib Ansari ORGANIZED BY : SKIT, Jaipur ORGANIZED BY : Assam Engineering College, Guwahati. TITLE : Green Manufacturing TITLE : Application of VR/AR in manufacturing DATE : 29 January to 2 February, 2024 NITTTR ATTENDED BY : Vinay Singh Marwal DATE : 18 to 22 December, 2023 ORGANIZED BY : NITTR Chandigarh ATTENDED BY : Nikhil Sharma, Manoj Kumar, Mohd, Suhaib Ansari TITLE : Tax Planning, Financial Planning & Filing ITR ORGANIZED BY : NITTTR, Chandigarh, DATE : 21 to 25 February, 2024 ATTENDED BY : Vinay Singh Marwal, Achin Srivastav, Sanjay : Advance AutoCAD NITTTR TITLE Choudhary, Amit Jhalani 15 to 19 January, 2024 DATE ORGANIZED BY : SKIT, Jaipur ATTENDED BY : Nikhil Sharma : NITTTR, Chandigarh. ORGANIZED BY TITLE : NEP 2020 Orientation & Sensitization Programme : R Software TITLE DATE : 22 January to 1 February, 2024 DATE : 21 to 25 August, 2023. ATTENDED BY : Prem Singh, Sanjay Bairwa, Madhukar Kumar ATTENDED BY : Manu Augustine, Amit Kumar Bansal, Achin ORGANIZED BY : Indian Institute of Technology (BHU), Varanasi Srivastav, Raj Kumar, Sandeep Kumar Bhaskar, Monu Gupta, Madhukar Kumar TITLE : Applications of Al and Data Science in ORGANIZED BY : Dept. of Mechanical Engineering, SKIT Health Care DATE : 29 January to 2 February, 2024 TITLE : Recent Trends and Issues in Mechanical ATTENDED BY : Sudesh Garg Engineering DATE ORGANIZED BY : SKIT, Jaipur sponsored by AICTE ATAL : 26 to 30 September, 2023

ATTENDED BY : Manoj Kumar Sain, Dharmendra Hariyani,

Deepak Kumar, Praveen Saraswat, Chandan Kumar, Monika Khurana, Nitin Goyal, Brij Mohan Sharma, Sandeep Kumar Bhaskar, Monu Gupta, Sanjay Bairwa, Namita Soni,

Sumita

ORGANIZED BY : Dept. of Mechanical Engineering, SBCET,

Jaipur

TITLE : R Software

DATE : 21 to 25 August, 2023.

ATTENDED BY : Manu Augustine, Amit Kumar Bansal, Achin

Srivastav, Raj Kumar, Sandeep Kumar Bhaskar, Monu Gupta, Madhukar Kumar

ORGANIZED BY : Dept. of Mechanical Engineering, SKIT

TITLE : Recent Trends and Issues in Mechanical

Engineering

DATE : 26 to 30 September, 2023

ATTENDED BY : Manoj Kumar Sain, Dharmendra Hariyani,

Deepak Kumar, Praveen Saraswat, Chandan Kumar, Monika Khurana, Nitin Goyal, Brij Mohan Sharma, Sandeep Kumar Bhaskar, Monu Gupta, Sanjay Bairwa, Namita Soni,

Sumita

ORGANIZED BY : Dept. of Mechanical Engineering, SBCET,

Jaipur

TITLE : Manufacturing Strategy

DATE : 26 July to 24 September, 2023

ATTENDED BY : Dharmendra Hariyani

ORGANIZED BY : NPTEL, IITR

TITLE : Contemporary & Innovative Teaching

Pedagogy and Essential Skills for Educators.

DATE : 24 to 31 July, 2023 ATTENDED BY : Achin Srivastav

ORGANIZED BY : Maharishi University, Information

Technology, Lucknow

TITLE : Unleashing Emerging Research Trends and

Advancements in Computer Science

DATE : 1 to 5 August, 2023

ATTENDED BY : Achin Srivastav, Prem Singh, Sanjay Bairwa,

Yogesh Kumar Sharma

ORGANIZED BY : SKIT, Jaipur

TITLE : Soft Skill Development

DATE : 26 July to 24 September, 2023

ATTENDED BY : Nitin Goyal

ORGANIZED BY : NPTEL, IIT Madras

TITLE : Integrating Autodesk Fusion- 360 in

Engineering Subjects

DATE : 26 June to 1 July, 2023

ATTENDED BY : Vishnu Jangid, Sanjay Bairwa ORGANIZED BY : Lendi Institute of Technology

TITLE : Cloud Infrastructure (Brains-Vision)

DATE : 21 to 25 August, 2023

ATTENDED BY : Vishnu Jangid

ORGANIZED BY : M.O.P. Vaishnav College for Women

(Autonomous), Tamil Nadu.

TITLE : Cloud Infrastructure
DATE : 21 to 25 August, 2023

ATTENDED BY : Vishnu Jangid

ORGANIZED BY : Department of CSE, GMR Institute of

Technology, Rajam, Andhra Pradesh.

TITLE : Finite Element Methods for Engineering

Applications

DATE : 17 to 21 August, 2023

ATTENDED BY : Raj Kumar
ORGANIZED BY : MBM University

TITLE : Cloud Infrastructure and AWS Technologies

DATE : 21 to 25 August, 2023
ATTENDED BY : Madhukar Kumar
ORGANIZED BY : Manipal University

TITLE : Fundamentals of Machine Learning and

Deep Learning

DATE : 25 to 29 September, 2023

ATTENDED BY : Namita Soni, Sumita ORGANIZED BY : NITTTR, Kolkata

WORKSHOPS ATTENDED

TITLE : Navigating Tomorrow with AI, ML, and Data

Science for Intelligent Solution.

DATE : 19 to 23 March, 2024 ATTENDED BY : Naveen Kumar Sain

ORGANIZED BY: Regional College for Education Research and

Technology, Jaipur.

ORGANIZED BY: Anand International College of Engineering,

STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE : STTP on Intelligent Automation in

Manufacturing

DATE : 26 to 30 March, 2024.

ATTENDED BY : Dheeraj Joshi

ORGANIZED BY : Department of Mechanical Engineering,

MNIT, Jaipur.

TITLE : e-STTP on Green and Sustainable Energy

Technologies (GSET-2023)

DATE : 27 to 31 December, 2023.

ATTENDED BY : Manu Augustine, Praveen Saraswat,

Amit Kumar Bansal, Achin Srivastav, Prem Singh, Saurabh Gupta, Sudesh Garg, Chandra Mohan Kumar, Brij Mohan Sharma, Sanjay Bairwa, Madhukar Kumar, Trivendra

Kumar Sharma

ORGANIZED BY : Department of Mechanical Engineering,

NIT, Hamirpur,

TITLE : Lab Market 1.0 Recent Trends in

Engineering

DATE: 9 to 13 December, 2023

ATTENDED BY : Amit Jhalani, Sanjay Choudhary,

Sunil Kumar, Trivendra Kumar Sharma,

Nikhil Sharma

ORGANIZED BY : Poornima College of Engineering, Jaipur.

TITLE : Recent Trends in Communication,

Computing and Networking

DATE : 8 to 12 January, 2024

ATTENDED BY : Achin Srivastav

ORGANIZED BY : Poornima College of Engineering, Jaipur

TITLE : IC Engine Testing and Simulation

DATE : 10 to 14 October, 2023

ATTENDED BY : Ashish Nayyar, Deepak Kumar, Manu

Augustine,

Manoj Kumar Sain, Ankit Kumar Agarwal,
Praveen Saraswat, Amit Kumar Bansal,
Chandan Kumar, Vinay Singh Marwal, Achin
Srivastav, Prem Singh, Monika Khurana, Nitin
Goyal, Sudesh Garg, Brij Mohan Sharma,
Vishnu Jangid, Raj Kumar, Sandeep Kumar
Bhaskar, Monu Gupta, Sumita Hemrom,
Sanjay Bairwa, Sunil Kumar, Namita Soni,
Yogesh Kumar Sharma, Madhukar Kumar,

Naveen Kumar Sain

ORGANIZED BY : Dept. of Mechanical Engineering, SKIT, Jaipur.

TITLE : Indian Knowledge System IKS

DATE : 16 to 21 October, 2023

ATTENDED BY : Monika Khurana, Amit Kumar Bansal

ORGANIZED BY : UGC in collaboration with the IKS Division of

Ministry of Education

PATENT PUBLISHED

TITLE : Metal Dust Powder Reinforced
Aluminium Alloy Composites for

Hydraulic Turbine Blade

Applications.

NAME : Vikash Gautam

PATENT FILED DATE : Application No. 201611002651;

25 January 2016

PATENT PUBLISHED DATE: 14 March, 2024

NPTEL / mooKIT / IITBX / SWAYAM COURSES COMPLETED

COURSE/ TOPIC : Waste to Energy Conversion

COMPLETED BY : Namita Soni, Sumita

DURATION & CATEGORY: January to March, 2024 (8-week).

Awarded Elite+ 5% topper

COURSE/ TOPIC : Introduction to Machining &

Machining Fluids

COMPLETED BY : Vinay Singh Marwal

DURATION & CATEGORY : January to March, 2024 (8-week).

COURSE/TOPIC : Soft Skill Development

COMPLETED BY : Nitin Goyal

DURATION & CATEGORY: July to September, 2023 (8 -week).

Awarded Elite certificate

FACULTY ACHIEVEMENTS

 Mr. Vinay Singh Marwal was invited as judge in SIH 2023 Grand Finale organized at SKIT, Jaipur on 23 September, 2023

 Mr Amit Jhalani got the 'Eminent Engineer' award by the Institution of Engineers, Rajasthan State Centre, Jaipur on 15 August, 2023. He was also selected as the member of the organizing committee of the program titled 'Contribution of Scientist and Scientific Institutions in Indian Freedom Struggle: Prof. S.N. Bose' organized by The Ministry of Culture and Vigyan Bharati.



DEPARTMENT OF ELECTRONICS & COMMUNICATION



'NATIONALTECHNOLOGY DAY' CELEBRATION ORGANIZED

SKIT celebrated 'National Technology Day' on 11 May, 2024. The event was sponsored by the Department of Science and Technology (DST) Rajasthan and was based on the theme of igniting young minds to innovate. The inaugural ceremony of the regional conclave was graced by the benign presence of Mr. Brijesh Prajapati, ADG (Telecom), Head of DoT, Govt. of India, Rajasthan; Dr. Arvind Samariya, Assistant Director, DST Jaipur; Sh. Pramil Gupta, DDG Technology, DoT, Jaipur; and Professor Manish Tiwari from Manipal University. The students were motivated to be innovative thinkers and be capable to approach problems creatively and demonstrate a willingness to try new things. Mr. Prajapati discussed about the recent developments in 5G technology and the government plans to improve the deployment in rural areas. Prof. Manish Tiwari emphasized that technology has the power to empower individuals and communities by providing access to information, education, healthcare, and economic opportunities. The event was coordinated by Ms. Manju Choudhary and Ms. Priyanka Sharma. Prof. Praveen Kumar Jain, Dv HOD, ECE Department, SKIT presented the formal vote of thanks.



INTERNATIONAL CONFERENCE ON 'ADVANCEMENTS IN NANO-ELECTRONICS & COMMUNICATION TECHNOLOGIES' ORGANIZED

An international conference on 'Advancements in Nano-Electronics& Communication Technologies' was organized from 16 to 17 February, 2024. The inaugural ceremony was graced by the presence of the Chief Guest Dr. Dong Suk Han, Qatar University, Qatar; Guest of Honor Dr. Kishor Kumar Sadasivuni, Center for Advanced Materials, Qatar University, Qatar; Dr. Badrul Hisham 36/SKITTIMES/30196-3016-57 bin Ahmad, University Teknikal, Malaysia, Melaka and Dr. Pooja Sharma, University of South Bohemia, Czech Republic.

The first day of the conference kicked off with expert talks by Dr. Kishor Kumar Sadasivuni on artificial intelligence-based finger sensor and bio-inspired solar tracking robot, Dr. Pooja Sharma on polymer metallization, Nano-composite sensors and solar cells; Dr.Aysegul Uygun Oksuz, Suleyman Demirel University, Turkey on 'Advancements in Magnetic Au-Ni Nano-meter based Drug Delivery for Breast Cancer treatment'. This was followed by paper presentation session. On day two, Dr. Sanyog Rawat, Head, Department of Electronics and Communication Engineering (ECE), Central University, Kishangarh. Aimer gave his expert insights on 'Planar Antennas for Health Monitoring'. Thereafter, there were two parallel sessions of papers presentations. The conference ended with an invited talk by Dr. Arindam Mukherjeev from the University of South Bohemia, Czech Repulic. He discussed about Atom Diffraction, Thin Film Growth Techniques and XRD Techniques.

36 out of 75 papers were selected for the conference. All presented papers will be published in the conference proceeding with an ISBN no.

FDP ON 'RECENT DEVELOPMENT IN NANO-ELECTRONICS DEVICES: CHALLENGES AND OPPORTUNITIES' ORGANIZED

A five-day Faculty Development Programme on "Recent Development in Nano-electronics Devices: Challenges and Opportunities" was organized in an offline mode from 11 to 16 December, 2023. Expert speakers- Dr. Mukesh Kumar from Centre for Advanced Electronics (CAE)IIT, Indore; Dr. Preetam Singh, Principal Scientist, CSIR-NPL, New Delhi; Dr. Somesh Kuma from IIITM, Gwalior; Dr. Mahesh Kumar from IIT Jodhpur; Dr. Amit Mahesh Joshi from MNIT, Jaipur; Dr. Anurag Gaur from NSUT, New Delhi; Dr. Pooja Devi, Principal Scientist, CSIR-CSIO, Chandigarh; Mr. Anup Kumar, Physical Design Engineer, eInfochips, Gandhinagar, Gujarat; and Dr. Shashi Kant Sharma from IIIT, Ranchi, Jharkhand discussed about various aspects of Nano-electronics Devices, Challenges and Opportunities. The FDP ended with a valedictory ceemony.

WORKSHOP ON 'ADVANCEMENTS IN COMMUNICATION TECHNOLOGY' ORGANIZED

A three-day workshop on 'Advancements in Communication Technology' was organized in a hybrid mode from 20 to 22 February, 2024. Mr. Ashutosh Agarwal, Director, TESCA was invited to give an expert talk during the inaugural ceremony who discussed about the current state and future of IoT in electronics, addressing challenges & opportunities, and he also presented a case study of successful implementation of IoT in electronics showcasing the real-world impact. This was followed by a hands on session in the project lab. During the subsequent days of the workshop, expert speakers-Dr. Sanjeev Yadav, Central University, Jammu and Mr. Parth Agarwal, Director (Technical), Jyoti Electronics gave expert talks on various aspects of Smart Antenna Design and 5G communication.

The three-day workshop was held in a hybrid mode which involved one offline session and two online sessions. The faculty coordinators were Dr. Kiran Rathi, Dr. Suman Sharma, and Mr. Dinesh Kumar.



LECTURE SERIES ON 'TECHNOLOGICAL ADVANCES IN ELECTRONICS & COMMUNICATION ENGINEERING' ORGANIZED

A week-long lecture series on 'Technological Advances in Electronics and Communication Engineering' was organized in association with the IETE-WEEC (Women Empowerment in Engineering Committee) and the IETE Jaipur Centre. The Chief Guest for the program was Prof. Sampat Raj Vadera, Dy. Director, IIT Jodhpur and former Director of DRDO Défense Laboratory, Jodhpur. He talked about the New Education Policy and



emphasized upon the role of social networking in the foundational development of students. The Guest of Honour Prof. Seema Verma from NITTR Bhopal focused on increasing students' technical participation in aviation sector and discussed the possibilities and opportunities in the Indian aerospace sector. Other expert speakers- Mr. Prabhu Dayal and Mr. Ajit Sharma from the Indian Telecommunication Department talked on cybersecurity and telecom services; Prof. Garima Mathur discussed about components and applications of communication technology; Dr. Amit Sharma shared detailed knowledge on quantum computing and Mr. Sai Krishna from CSIR-Central Scientific Instruments Organization, Pilani, Jaipur Centre discussed about the impact of the Internet of Things (IoT) on our daily lives and society. The valedictory session of the program took place at IETE Bhavan in Malviya Nagar where the IETE chairman Prof. Ghanshyam Singh (MNIT, Jaipur); and other executive committee members from IETE Jaipur centre were present. Prof. Monika Mathur, Dr. Rukhsar Zafar, Dr. Ankit Agrawal and Mr. Rahul Pandey were the coordinators of the workshop.

LECTURE SERIES ON 'RECENT TRENDS IN ELECTRONICS AND COMMUNICATION ENGINEERING 3.0' ORGANIZED

A two week lecture series on 'Recent Trends in Electronics and Communication Engineering3.0' (RTECE 3.0) was organized in collaboration with CEERI (CSIR) from 9 to 20 October, 2023. Mr. Ashok Chauhan, Senior Principal Scientist & Group Head, CEERI and Dr. Vijay Chatterjee, Senior Scientist & Head of Skill Development Unit and Technology Business Development Unit, CSIR-CEERI, Jaipur Campus were the Guests of Honor. The first day began with a talk by Dr. Vijay Chatterjee on Introduction of Skill Training Programs at CSIR (CEERI). On the second day, Dr. Ing. Ayan Kumar Bandyopadhyay, Senior Principal Scientist, CSIR-CEERI enlightened the participants with an online discussion on '5G Technologies and Beyond'. The other expert speakers -Dr. Rajendra Kumar Verma, Sr. Scientist, CSIR-CEERI and Dr. Sachin Devassy, Principal Scientist, CSIR-CEERI gave their insights on 'Electromagnetic Journey from Wires to Wireless' and 'Power Electronic Application in Renewable Energy Systems'



respectively. Mr. Harshal Nigam from SKIT conducted a hands - on practice session on HFSS software including the basic calculation technique used for simulation. Mr. Ajay Dhanopia from SKIT gave an introduction about the institute's Incubation Cell. Mr. Navjot Kumar, Sr. Scientist, CSIR-CEERI gave a lecture on 'Sensor Interfacing and Signal Processing'. Day 7 included a visit to CEERI, Pilani, Jaipur Centre. The last day ended with a hands - on session on 'CST Software for Electromagnetic Simulation' by Dr. Pallav Rawal of SKIT. The event was organized to enlighten the participants with the most widely used advance tools, strategies and techniques being used in the field of Electromagnetics.

IN HOUSE TRAINING ON 'MICROWAVE / ANTENNA /IOT /EMBEDDED SYSTEM' ORGANIZED

A 45- day in-house internship programme on 'Microwave /Antenna /IoT /Embedded System' was organized with an aim to provide hands-on practice to students on 'HFSS/Proteus & Making of Projects'. The programme which began from 19 July included one and a half hours of theory session followed by 2 hours of hands-on session each day. Dr. Shubhi Jain (Microwave & Antenna), Dr. Suman Sharma (Antenna), Dr. Kiran Rathi (Proteus), Mr. Harshal Nigam (Microwave), Dr. Pallav Rawal (Microwave) and Mr. Dinesh Kumar (IoT) were the expert trainers in the workshop. The workshop was held under the guidance of Dr. Mukesh Arora, Dr. Shubhi Jain and Dr. Suman Sharma.





EXPERT TALK ON BENEFITS OF IEEE MTT-S MEMBERSHIP ORGANIZED

An expert talk on 'Benefits of IEEE MTT-S Membership' was organized jointly by IEEE MTT-S & IEEE Computer Society on 21 October, 2023 with an objective to spread awareness among the students about IEEE community and MTT-S (Microwave Theory and Technology Society). Dr. Dinesh Yadav from Manipal University was the chief guest of the event. He told the students about the procedure of taking IEEE MTT-S membership, scholarships and other grants. The objective was to make the students more inclined to participate in research and development projects.

WEBINAR ON 'RF, MICROWAVE SIMULATIONS & DESIGNING' ORGANIZED

A webinar on 'Rf, Microwave Simulations & Designing' was organized from 14 to 18 August, 2023. Theory sessions and handson practice sessions on various aspects such as Basics of Designing of Waveguide in the Simulation Software HFSS (High Frequency Structure Simulator), Communication System of the Microwaves, Frequency Bands of Microwaves, Applications of Microwaves (Wireless Communication, Commercial uses, Military and Radar, Food Industry, Medical and Civil Applications), Basics of Designing an Antenna, Types of Antenna (Wire Antenna, Planar Antenna and Aperture Antenna), Applications of different types of Antenna and Fabrication, Process of PCB (Printed Circuit Board) and Antennas were conducted.

The webinar was organised by the IEEE-MTT Student Chapter members- Dr. Shubhi Jain and Mr. Harshal Nigam. The student coordinators were Tariq Abdul Ghani & Vishal Sharma.

INDUSTRY TALK ON 'COMPOUND SEMICONDUCTOR DEVICES AND CIRCUITS FOR 5G & BEYOND' ORGANIZED

An industry talk on 'Compound Semiconductor Devices and Circuits for 5G & Beyond' was organized on 3 September, 2023, Dr. Dinesh Yadav from Manipal University briefed about the IEEE- MTT Student Chapter of the college. Dr. Sandeep Chaturvedi told the students about India's III-V Semiconductor Foundary (production) and also make them aware how IEEE Chapters shape the career of students and can pave their way into research and development. He further briefed the students about RF Energy Harvesting, Wireless Health Care Applications, Biosensing Imaging, Biomedical Sensors, RF Coils and Automotive Applications. The vote of thanks was given by Prof. Dinesh Yadav. The webinar was coordinated by the IEEE-MTT Student Chapter members; Dr. Shubhi Jain and Mr Harshal Nigam.

EXPERT TALK ON 'HEALTH MANAGEMENT FOR SUCCESSFUL LIFE' ORGANIZED

On the occasion of IEEE Day celebration, an expert talk on 'Health Management for Successful Life' was organized by IEEE Computer Society and MTT-S Student Branch Chapter in collaboration with IEEE Rajasthan Subsection at SKIT on 3 October, 2023. Dr. Pashupati Nath, Director, Padmnabham Ayurveda Hospital and Research Centre, Jaipur talked about different ways to maintain balanced physical and mental health. Various types of yoga postures and lung exercises were explained to the teachers and students. At the end, there was a question-answer session in which the queries of the participants were resolved.

The session was coordinated by Dr. Shubhi Jain and Dr. Neelam Chaudhary. The student coordinators were Sanskar Chaturvedi, Abhay Raj Shukla and Aditya Sharma.



PAPERS PRESENTED IN CONFERENCES

TITLE : Design and Development of a Miniature Home

Automation System using IoT and Android

Application

AUTHOR/S : Praful V. Nandankar, G. Sunitha Rekha,

Shubhi Jain

CONFERENCE: International Conference on Inventive

Computation Technologies (ICICT)

TITLE : A Payment System for Electric Vehicles Charging

and Peer to Peer Energy Trading

AUTHOR/S : Kaushal R. K., Jain Shubhi, Shankar Rao

CONFERENCE: International Conference on I-SMAC (IoT in Social,

Mobile, Analytics and Cloud) (I-SMAC) (pp. 984

991). IEEE

TITLE : Smart Wearable Wristband for Patients' Health

Monitoring System through IoT

AUTHOR/S : Shannmukha Naga Raju Vonteddu, Prasanthi

Kumari Nunna, Shubhi Jain

CONFERENCE: International Conference on Power, Energy,

Control and Transmission Systems (ICPECTS)

FDPs ATTENDED

TITLE : Next Generation RF to THz Devices for

Wireless Communication and Other

Applications

DATE : 2 to 6 May, 2024

ATTENDED BY : Shubhi Jain

ORGANIZED BY : Department of ECE, NIT, Hamirpur.

TITLE : Entrepreneurial avenues and opportunities in

cyber physical systems

DATE : 4 to 16 March, 2024

ATTENDED BY : Monika Mathur ORGANIZED BY : MNIT, Jaipur

TITLE: UHV in higher education for viksitBharaat

@2047

DATE : 16 to 20 January, 2024 ATTENDED BY : Pallav Rawal, Mamta Jain

ORGANIZED BY : UHV & EC

TITLE : Applications of Al/Data Science in Healthcare

DATE : 29 January to 3 February, 2024
ATTENDED BY : Suman Sharma, Dinesh Kumar
ORGANIZED BY : ATAL Academy & CSE Department

TITLE : Al/ML and Data Science for Industry 4.0

(Advanced Level)

DATE : 26 February to 1 March, 2024

ATTENDED BY : Manju Choudhary

ORGANIZED BY : Computer Science and Engineering

Department, NITTTR

TITLE : IoTs and Embedded Systems

DATE : 15 to 19 January, 2024

ATTENDED BY : Manju Choudhary

ORGANIZED BY : Electronics and Communication

Engineering Department, NITTTR

TITLE : AI/ML and Data Science for Industry 4.0

(Advanced Level)

DATE : 29 January to 2 February, 2024

ATTENDED BY : Manju Choudhary

ORGANIZED BY : Computer Science and Engineering

Department, NITTTR

TITLE : Data Science using Python

DATE : 19 to 23 February, 2024

ATTENDED BY : Manju Choudhary

ORGANIZED BY : Computer Science and Engineering

Department, NITTTR

TITLE : Tech Fusion Ventures: The Accelerated

Path to Entrepreneurship Development

Programme

DATE 29 January to 23 February, 2024 ATTENDED BY : Jayprakash Vijay ATTENDED BY : Monika Mathur ORGANIZED BY ATAL Academy and SKIT, Jaipur ORGANIZED BY : AMET University, Tamilnadu TITLE : E-Learning Content Development TITLE : Intellectual Property Creation and DATE : 21 to 25 January, 2024 Commercialization. ATTENDED BY Shubhi Jain, Suman Sharma, Vikas Pathak, DATE 4 to 8 December, 2023 ORGANIZED BY : Department of English, SKIT ATTENDED BY : Monika Mathur ORGANIZED BY : MSME, Jaipur TITLE : Advancement in Communication Technologies DATE : 20 to 22 February, 2024 TITLE : Technological Advances in Electronics ATTENDED BY : Dinesh Kumar and communication Engineering ORGANIZED BY : Department of ECE, SKIT 19 to 23 February, 2024 DATE ATTENDED BY Swati Arora TITLE : Unleashing Emerging Research Trends and ORGANIZED BY IETE WEEC and IETE Jaipur and SKIT. Advancements in Computer Science Jaipur DATE : 1 to 5 August, 2023 ATTENDED BY Rajni Idiwal TITLE : Tax planning, Financial Planning & Filing ORGANIZED BY Poornima College of Engineering, Jaipur of ITR DATE : 21 to 25 February, 2024 TITLE : Contemporary and Innovative Teaching : Pallav Rawal ATTENDED BY Pedagogy and Essential Skill for Educators ORGANIZED BY : MBA, SKIT, Jaipur DATE : 24 July to 31 July, 2023 ATTENDED BY : Rajni Idiwal. TITLE : Recent Development in Nano ORGANIZED BY Maharishi University of Information electronics Devices: Challenges and Technology, Lucknow Opportunities : 11 to 16 December, 2023 DATE TITLE : Recent Advances, Trends and Challenges in ATTENDED BY : Abhinandan Jain, Jai Prakash Vijay, Neeraj Nanomaterial Characterization and Technique Jain, Shubhi Jain, Manju Choudhary, Suman DATE : 25 to 29 September, 2023 Sharma, Swati Arora, Rajni Idiwal, Ankit ATTENDED BY : Abhinandan Jain, Shubhi Jain, Harshal Nigam Agarwal, Mamta Jain, Gloria Joseph, Monika ORGANIZED BY : Koneru Lakshmaiah Education Foundation. Mathur, Dinesh Kumar, Monika Mathur Andhra Pradesh ORGANIZED BY : ATAL Academy TITLE Building Advance Data Analytics Application TITLE : Recent Trends in Artificial Intelligence and with Cloud Machine Learning for Smart Computing DATE : 11 to 15 September, 2023 DATE : 12 to 16 February, 2024 ATTENDED BY : Abhinandan Jain ATTENDED BY : Abhinandan Jain, Shubhi Jain : AICTE ORGANIZED BY ORGANIZED BY : Anand International College of Engineering, Jaipur TITLE : Satellite Communication : Design Prospectives & Applications TITLE : UHV DATE : 21 to 26 August, 2023 DATE : 16 to 20 January, 2024 ATTENDED BY : Shubhi Jain ATTENDED BY Gloria Joseph Annant Gyan Knowledge and Skills Private ORGANIZED BY ORGANIZED BY : Anand International College of Engineering, Limited Jaipur TITLE : Pharmaceutical Innovations & Protection TITLE Applications of AI & Data Science in Healthcare Strategies DATE : 29 January to 3 February, 2024 DATE : 18 to 22 July, 2023 ATTENDED BY : Jayprakash Vijay, Rajni Idiwal ATTENDED BY Shubhi Jain ORGANIZED BY : ATAL Academy and SKIT, Jaipur CSIR, Bhubneshwar, India ORGANIZED BY TITLE : Intellectual Property Rights, Product Development & Entrepreneurship TITLE "R"

DATE

21 to 25 August, 2023

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13 to 17 February, 2024

DATE

ATTENDED BY : Harshal Nigam, Rajni Idiwal, Neeraj Jain

ORGANIZED BY : Spoken Tutorial IIT Bombay

WORKSHOPS ATTENDED

TITLE : RF & Microwave Components

DATE : 15 to 21 May, 2024

ATTENDED BY : Shubhi Jain

ORGANIZED BY : School of Electronics Engineering (SENSE);

sponsored by MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section at VIT-AP

University, Amaravati, India.

TITLE : Innovation &Intellectual Property Rights

DATE : 24 to 29 June, 2024 ATTENDED BY : Praveen Kumar Jain

ORGANIZED BY : Innovative Technology Enabling Centre

(InTEC), CSIR-IMMT, Bhubaneswar

TITLE : Innovation, Design and Entrepreneurship

(IDE) Bootcamp

DATE : 29 January to 2 February, 2024

ATTENDEDBY : Pallav Rawal ORGANIZED BY : MIC & AICTE

TITLE : Antenna Design Techniques for Various

Application

DATE : 12 to 16 February, 2024

ATTENDEDBY : Shubhi Jain

ORGANIZED BY : CARE College of Engineering, Trichy in

association with IEEE CARE Students

Branch- Madras Section.

TITLE : Code of conduct and PE DATE : 11 to 16 December, 2023

ATTENDEDBY : Swati Arora
ORGANIZED BY : UHV Cell, SKIT

TITLE : RF & Microwave Components

DATE : 15 to 21 May, 2024

ATTENDED BY : Shubhi Jain

ORGANIZED BY : School of Electronics Engineering (SENSE);

sponsored by MTT-S/AP-S/EMC-S Joint Chapter Hyderabad Section at VIT-AP

University, Amaravati, India.

NPTEL / mooKIT/ IITBX / SWAYAM COURSES COMPLETED

COURSE/TOPIC : Communication Networks

COMPLETED BY : Gloria Joseph

DURATION & CATEGORY : January to April, 2024 (12 -week).

Successfully Completed

COURSE/ TOPIC : Entrepreneurship and IP Strategy

COMPLETED BY : Neeraj Jain

DURATION & CATEGORY : July to September, 2023 (8 -week).

Awarded Elite Certificate

COURSE/ TOPIC : System Design through Veritog

COMPLETED BY : Mamta Jain

DURATION & CATEGORY : July to September, 2023 (8 -week).

Awarded Elite Certificate

PAPERS REVIEWED

TITLE : Role of Material Substrate for the

Performance of Microstrip Patch Antenna:

A Review

REVIEWER NAME: Shubhi Jain

JOURNAL : II IEEE International Conference on Data

Science & amp; Information system

TITLE : Role of Dielectric Material of Substrate

for the Performance of Microstrip Patch

Antenna: A Review

REVIEWER NAME: Shubhi Jain

JOURNAL : International Conference on Artificial

Intelligence, Advanced Materials, &

Mechatronics Systems

TITLE : Proposed Design Model of High Performance

Response of Tiny Circular Microstrip Patch Antennas for Wide Band Local Area

Networks and Support WiFi System

Management

REVIEWER NAME: Monika Mathur

JOURNAL : Journal of The Institution of Engineers

(India): Series B (IEIB)

SESSION CHAIRED

SESSION ON : Multidisciplinary Approaches for

Sustainable Development in Science &

Technology (MASDST-2024)

CHAIRED BY : Rajni Idiwal

DATE & VENUE : 29 March, 2024; Manipal University, Jaipur

SESSION ON : Advancements in Nano-electronics &

Communication Technologies (ICANCT

2024)

CHAIRED BY : Neeraj Jain

DATE & VENUE : 16 to 17 February, 2024; SKIT, Jaipur

SESSION ON : Advanced Computing Techniques in

Engineering & Technology (ACTET-2023)

CHAIRED BY : Rukhsar Zafar, Manju Choudhary

DATE & VENUE

: 18 to19 December, 2023, SKIT, Jaipur

SESSION ON

: Technovation 2023- International

Conference & Technical Paper and Model

Contests

CHAIRED BY

: Monika Mathur

DATE & VENUE

PROCEEDING

: 21 December, 2023; Poornima Institute

of Engineering & Technology, Jaipur

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

TITLE : A Review on Hardware Implementation

of Clustering Algorithms

AUTHOR/S : Mamta Jain, Vikas Pathak, Gloria Joseph,

Shubhi Jain, Sitaram Meena

PROCEEDING : International Conference on Advancements in

Nano electronics & Communication Technologies, (ICANCT- 2024), SKIT, Jaipur;

16 to 17 February, 2024.

TITLE : Comparison of High Level Synthesis of

Bubble Check and L-Bubble Check Algorithm

for Check Node Processing

AUTHOR/S : Manju Choudhary, Vikas Pathak,

Swati Arora, Neeraj Jain, Sunil Lakhawat

International Conference on Advancements in

Nano electronics & Communication Technologies, (ICANCT-2024), SKIT, Jaipur;

16 to 17 February, 2024.

TITLE : Al-Based Vehicle Tracking System with

Automated License Plate Recognition for Criminal Identification and Helping the

Emergency and Medical Transport

AUTHOR/S : Monika Mathur, Vibhansh Jain, Aditya Sharm,

Mayank Gupta, Ameen Zehra

PROCEEDING : International Conference on Advancements in

Nano-Electronics & Communication Technologies (ICANCT2024), SKIT Jaipur;

16 to 17 February, 2024

TITLE : Energizing the Future : Advancing Next

Gen Wireless Networks Through

Simultaneous Wirelesss Information and

Power Transfer with Cooperative Realying -

A Comprehensive Review

AUTHOR/S : Shubhi Jain, Avdesh Sharma

PROCEEDING : International Conference on Advanced

Computing Techniques in Engineering & Technology, (ACTET-2023), SKIT, Jaipur,

18 to 19 December, 2023

TITLE : Innovations in 6G Communication shaping

the future of connectivity

AUTHOR/S : Shubhi Jain, Pallav Rawal, Mamta Jain

PROCEEDING : International Conference on Advancements in

Nano electronics & Communication

Technologies, (ICANCT 2024), SKIT, Jaipur,

16 to 17 February, 2024

Ph.D. AWARDED

THESIS TITLE : Design and Analysis of MIMO Configured

Microstrip Patch Antenna for 5G Mid Band

and High Band Application

Ph.D. AWARDED TO : Suman Sharma

GUIDED BY : Dr. Mukesh Arora

INSTITUTE : SKIT, Jaipur

YEAR : 2023

THESIS TITLE : Theoretical Analysis of Quantum Dot

based Photo Detectors

Ph.D. AWARDED TO : Kiran Rathi

GUIDED BY : Dr. C.M.S. Negi

INSTITUTE : Banasthali Vidyapith, Jaipur.

YEAR : 2023

THESIS TITLE : Investigation of Photonic Crystal Structures

for Refractive Index based Biosensors

Ph.D. AWARDED TO : Ankit Agrawal

GUIDED BY : Dr. Ghanshyam singh, Dr. S.K.Bhatnagar

INSTITUTE : MNIT, Jaipur

YEAR : 2023

EXPERT TALK DELIVERED

TITLE : Tech Fusion Ventures: The accelerated Path

to Entrepreneurship Successes.

DATE & VENUE : 6 February, 2024. At four week Technical.

Entrepreneurship Development Programe organized by AMET University, Tamilnadu

DELIVERED BY : Monika Mathur

PATENTS PUBLISHED

TITLE : A Noval Human Resource

Management System and Employee Compensation Planning System

NAME : Shubhi Jain

PATENT FILED DATE : Application No. 202411006632

PATENT PUBLISHED DATE: 31 January, 2024

FACULTY ACHIEVEMENTS

- Ms. Mamta Jain was awarded 'Discipline Star' in Electrical Engineering, July- December, 2023 NPTEL Course. She was also awarded 'Domain Scholar' certificate in VLSI Design, October, 2023
- Dr Monika Mathur has been elected as a Ex comm member, IEI Rajasthan Section Society, 2023
- Mr. Ankit Agrawal was awarded 'Domain Scholar' certificate in Communication and Signal Processing, October 2023. He was also awarded 'Discipline Star' in Electrical Engineering, July-December, 2023 NPTEL Course

DEPARTMENT OF ELECTRICAL ENGINEERING



ALUMNI INTERACTION PROGRAMMES ORGANIZED

A guest lecture on 'Career in IT Sector' by Mr. Ishan Bhatia from Pinnacle, Jaipur was organized on 20 July, 2024 He shared his experience and motivated the students towards their goal and informed them about the various links helpful for finding the desired jobs.

Another interactive session on 'Career opportunities in government and private sector of Electrical Engineering' by Mr. Jagdish Singh Gurjar (Ex Senior Manager L & T/AEn. RVPNL) was organized on 22 July, 2024. He shared his experience and motivated the students to achieve their goal.

Interaction with alumni of SKIT- Mr. Garvish Garg, Software Engineer, Intel-corp., Bangalore: Mr. Ishan Bhatia, Software Engineer, Pinnacle, Jaipur; Mr. Kuldeep Kaushik, Sr. Manager, GAIL India and Mr. Jagdish Singh Gurjar, Aen. RVPNL was organized on 16 August, 2023. Mr. Garvish Garg shared his views on career after post-graduation. He motivated the students towards their goals and discussed how desired jobs can be searched by using specific links. Mr. Kuldeep Kaushik shared his experience and challenges during his working in GAIL, India and also told the students about his journey of preparing for GATE exam during B. Tech. course. The programme ended with a vote of thanks by the Alumni Coordinator of the department.

INDUSTRIAL TRAINING PROGRAM ORGANIZED

An industrial visit to 220Kv GSS, Indira Gandhi Nagar, Jaipur and John Electric, Malviya Industrial Area, Jaipur was organized for III semester students on 19 and 29 July, 2024 respectively with an objective to provide experience to the students about the practical implementation of the things and to educate them how theory and practical are related to each other.

The visit was supervised by Mr.Vivek Sharma and Mr.Yusuf Sharif.



INTERNATIONAL CONFERENCE ON 'ADVANCED COMPUTING TECHNIQUES IN ENGINEERING & TECHNOLOGY' ORGANIZED

An international conference on 'Advanced Computing Techniques in Engineering & Technology' (ACTET-2023) was organized from 18 to 19 December, 2023 in an online mode with an objective to bring together researchers from the academia and the industry in order to address fundamentals of advanced scientific computing, specific mechanisms & algorithms and to exchange their innovative ideas, knowledge, expertise and experience in advance computing techniques in various domains of engineering and technology. The inaugural ceremony was graced by the presence of the Chief Guest Prof. Ramesh C. Bansal from the University of Sharjah, UAE who gave a keynote address sharing his expertise on advancements in Electrical Engineering and their broader implications. The Guest of Honour Prof. RichiNayak, Deputy Director & Complex Data Analysis Program Leader at the Centre for Data Science, Queensland University of Technology, Brisbane shared his valuable insights on advanced computing and data science. The other keynote speakers during the conference were Prof. Somitra Kumar Sanadhya from IIT, Jodhpur, Prof. Mohammad Rizwan from Delhi Technological University and Dr. Jagdish Chand Bansal from the South Asian University, Delhi.

Dr. Ankush Tondon and Dr. Pooja Jain were the coordinators of the conference.

NATIONAL LEVEL 'PROJECT EXPO 2024' ORGANIZED

The Institution of Engineers (India) Student Chapter, Dept. of Electrical Engineering, SKIT organized a national level 'Project Expo-2024' on 7 March, 2024 at the institute with an objective to provide opportunity to the students to exhibit their potential by showcasing their projects. Students from different colleges participated in the programme. The event was graced by the presence of the Chief Guest, Dr. Vijay Kumar Saxena, Assistant Director, Department of Science and Technology, Rajasthan and the Guest of Honor, Prof. Pushpendra Singh, Professor at JKLU, Jaipur, Dr. Sarfaraz Nawaz was the Convener and Mr. Jinendra Rahul & Mr. Jitendra Singh were the Coordinators of the event.



EXPERT LECTURE ON 'SMART GRID AND ENERGY MANAGEMENT SYSTEM' ORGANIZED

An expert lecture on 'Smart Grid and Energy Management System' was organized by the department on 3 November, 2023. Prof. Ikbal Ali from the Dept. of Electrical Engineering, Jamia Millia Islamia (JMI) University. New Delhi gave a thought-provoking lecture explaining about some of the key aspects of Smart Grid, Energy Management Systems (EMS), Renewable Energy Integration, Grid Resilience and Security. The vote of thanks was given by Dr.Sarfaraz Nawaz, Head, EE Department.



STTP ON 'APPLICATIONS OF POWER CONVERTERS IN ELECTRICAL ENGINEERING' ORGANIZED

A Short Term Training Program for students on 'Applications of Power Converters in Electrical Engineering' (APCEE) was



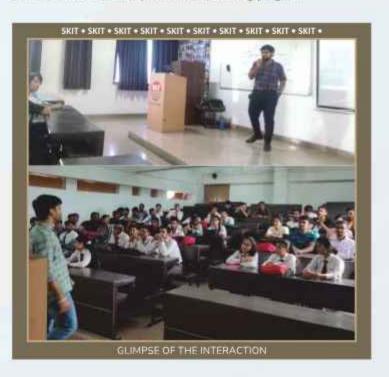
organized in association with IEI Student Chapter of SKIT from 17 to 21 October, 2023. Dr. Sunil Kumar Gupta, Dean R&D, Poornima University Jaipur was invited as the guest speaker at the inaugural ceremony. The event was convened by Dr. Prateek Kumar Singhal and coordinated by Mr.Tarun Naruka, Mr.Vikas Mahala and Mr. Deepak Saini.

STUDENT INDUSTRIAL TRAINING PROGRAM ORGANIZED

A student Industrial Training Program was organized for the third semester students from 16 to 30 August, 2023 with an objective to enhance their technical skills and to provide them industrial exposure. The program helped the new students to adjust and feel comfortable in the new environment and also aimed to inculcate in them the ethos and culture of the department. Dr. Sarfaraz Nawaz, Head, Dept of EE gave a brief introduction of the department.



Subsequent to this, Prof. S. L. Surana, Director, Academics gave a lecture on 'Exploring Traditional Foundations and Modern Advancements in Electrical Engineering'. Students were also given certificates after the completion of the training program.



INDUSTRIAL VISIT TO KALPTARU BIOMASS PAPER REVIEWED PLANT, UNIARA, TONK AND JOHN ELECTRIC, MALVIYA INDUSTRIAL AREA, JAIPUR ORGANIZED

An industrial training visit to Kalptaru Biomass Plant, Uniara, Tonk and John Electric, Malviya Industrial Area, Jaipur was organized on 28 August, 2023 with an objective to introduce the students with the practical implementation of the theoretical aspects. It provided opportunity to the students to interact with industry experts thus giving them a new learning experience, a new vision on Employability, Management Lessons and Interpersonal Skills.



TITLE : DC Microgrid with Electric Vehicle Fast

Charging Stations

REVIEWER NAME : Abhishek Gupta

JOURNAL : International Journal of Applied Power

Engineering by The Institute of Advanced

Engineering and Science (IAES).

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

TITLE : Optimal Positioning of Renewable-Based

> Distributed Generation Units for Power Loss Reduction using Imperialist Competitive

Algorithm

AUTHOR/S : Sarfaraz Nawaz, Yusuf Sharif

PROCEEDING: Proceedings of International Conference on

Trends in Computational and Cognitive Engineering (TCCE-2023) Organized by the

Department of Computer Science and Engineering & Department of Electronics & Communication

Engineering, Pranveer Singh Institute of

Technology, Kanpur; 24 to 25 November, 2023

PAPERS PRESENTED IN CONFERENCES

TITLE Uncertainty Estimation of PV and Load

using Deep Learning for Networked

Microgrid

AUTHOR/S Vikas Ranveer Singh Mahala, Anshul

Yadav, Dipti Saxena and Rajesh Kumar

CONFERENCE IEEE International Conference on

> Sustainable Energy and Future Electric Transportation (SeFeT), Hyderabad, India; 31 July to 3 August, 2024

TITLE A Review of Dynamic Economic Dispatch of

Hybrid Microarid

DATE 18 to 19 December, 2023

AUTHOR/S Prateek Kumar Singhal, D.R. Chitara CONFERENCE International Conference on Advanced

Computing Techniques in Engineering &

Technology

TITLE Different Electrical Energy Storage Tech.

used for Renewable Energy Integration

Application

DATE 18 to 19 December, 2023

AUTHOR/S Vivek Sharma and Avadhesh Kumar Sharma

CONFERENCE International Conference on Advanced

Computing Techniques in Engineering &

Technology

FDPs ATTENDED

TITLE : Enhancing Professional & Technical Skills

DATE : 10 to14 June. 2024 ATTENDED BY : Abhishek Gupta

ORGANIZED BY: University of Engineering and Management,

Jaipur

TITLE : Clean and Green Technologies for Environment

Sustainability

DATE : 27 to 31 May, 2024

: Abhishek Gupta ATTENDED BY

ORGANIZED BY : Dept. of EE, SKIT & NITTTR, Chandigarh.

TITLE : Recent Advances and Research Scope in

Geotechnical Engineering

DATE : 3 to 7 June, 2024 ATTENDED BY : Abhishek Gupta

ORGANIZED BY: Department of Civil Engineering, Jorhat

Engineering College, Assam.

TITLE : Latest Trend and Techniques in Software

Engineering: An Industry Perspective

DATE : 20 to 27 January, 2024 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY : Dept. of CS, CHRIST University, Bangalore

TITLE : Evaluation Strategies & Classroom

Management Skills

DATE : 5 to 6 February, 2024 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY: IQAC, Michael Job Memorial College of

Education for Women, Coimbatore

TITLE : Advanced Technologies in Artificial

Intelligence & Data Analytics

DATE : 19 to 23 February, 2024 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY: Department of CS, Astana IT University,

Astana, Kazakhstan

TITLE: UHV in Higher Education for Viksit.

Bharat @2047

DATE : 16 to 20 January, 2024

ATTENDED BY : Vivek Sharma

ORGANIZED BY: UHV & EC and Department of

Management Studies, SKIT, Jaipur

TITLE : Contemporary and Innovative Teaching

Pedagogy and Essential Skills for Educators

DATE : 24 to 31 July, 2023 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY: Maharishi University of Information Technology,

Lucknow, U.P.

Ph.D. AWARDED

THESIS TITLE : Multivariable Fault Analysis Algorithm for

Protection of Power System with Renewable Energy Penetration

Ph.D. AWARDED TO: Abhishek Gupta

SUPERVISED BY : Prof. Ramesh Kumar Pachar

INSTITUTE : SKIT, Jaipur & Rajasthan Technical

University, Kota.

YEAR : 2024

SESSION CHAIRED

SESSION ON : Advanced Computing Techniques in

Engineering & Technology

CO-CHAIRED BY : Prateek Kumar Singhal

DATE & VENUE : 19 December, 2023; Department of EE,

SKIT, Jaipur



STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE : Lab Market 1.0 Recent Trends in Engineering

DATE : 9 to 13 December, 2023 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY : IEEE Student branch and Department of

EE, PCE Jaipur

TITLE : Software Tools for Academicians and

Researchers

DATE : 11 to 16 December, 2023 ATTENDED BY : Prateek Kumar Singhal

OGANIZED BY : EE Department, NIT, Hamirpur

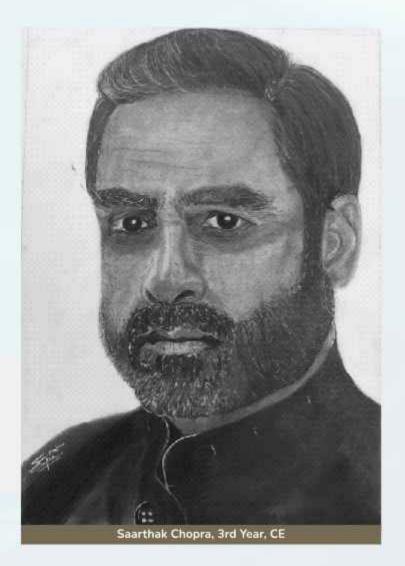
WORKSHOP ATTENDED

TITLE : Navigating the Pathways of Publishing in High

Quality Journals

DATE : 25 August, 2023 ATTENDED BY : Prateek Kumar Singhal

ORGANIZED BY: Elsevier Researcher Academy



DEPARTMENT OF CIVIL ENGINEERING



WORKSHOP ON 'MECHANICAL & DURABILITY TESTING OF CONSTRUCTION PRODUCTS' ORGANIZED

A 5-day workshop on 'Mechanical & Durability Testing of Construction Products' (MDTCP- 2024) was organized for the final year Civil Engineering students in collaboration with NIRMAAN club & ICI from 8 to 13 February, 2024 with an objective to make the students aware about the importance of recent construction techniques for assessing the quality of infrastructure. Dr. Sanjay Mundra, General Manager, National Council for Cement and Building Materials, Ballabgarh, Haryana gave an expert talk on 'Case study for Condition Assessment of Existing Structure using Infrared Technology through UAV/Drone'. Dr. Rakesh Choudhary and Dr. Abhishek Jain coordinated the programme.



STUDENT WORKSHOP ON 'DESIGN & DEVELOPMENT OF SELF-COMPACTING CONCRETE' (DDSCC-2023) ORGANIZED

A 5-day student workshop on 'Design and Development of Self-Compacting Concrete' (DDSCC- 2023) was organized in collaboration with NIRMAAN club & ICI from 31 October to 4 November, 2023 with an objective to enlighten the students about the recent developments in construction industry which



will help them to meet the industry demands and improve their employability skills. The importance of Self-Compacting Concrete (SCC), Mix Design Formulation & testing of SCC and sustainable materials for the construction practices were discussed in detail by Dr. Rakesh Choudhary and Dr. Abhishek Jain of Civil Dept., SKIT,

STUDENT WORKSHOP ON 'MS EXCEL: BASIC TO ADVANCED LEVEL' ORGANIZED

The 'MS Excel: Basic to Advanced Level' workshop was conducted from 30 October to 3 November, 2023 with an objective to equip the students with essential skills in Microsoft Excel. The workshop was organized by Dr. Pooja Jain and Mr. Deepak Sharma of Civil Department. About 40 B.Tech. II year Civil Engineering students participated in the workshop.



STUDENT WORKSHOP ON 'RECYCLED PAVEMENT DESIGN AND ITS QUALITY CONTROL' ORGANIZED

A five-day workshop on 'Recycled Pavement Design & its Quality Control' was organized under the aegis of the Centre of Excellence (Transportation Engineering), SKIT from 30 October to 3 November, 2023. The final year UG students participated and learned the concepts of Recycling Reclaimed Asphalt Pavement (RAP) using Hot Mix Asphalt (HMA) Technology. An expert talk was given by Mr. S.K. Sehgal & and Team Er. Pritam Bhowmik from TERPL India Private Limited on 'Hot In-Place Recycling of Asphalt



Pavements'. Dr. Ankit Sharma from SKIT discussed about 'RAP-HMA In-Plant Recycling Mix Design Concepts with Rejuvenators', while Mr. Nikhil Kumar Sharma gave a lecture on 'Dry Lean Concrete'. An Asphalt Batch Mix Plant and Drum Mix Plant visit was also organized for providing clear understanding to the students about asphalt mix preparation at the site. About 46 students were benefited from this workshop. The workshop was coordinated by Dr. Ankit Sharma and Mr. Nikhil Kumar Sharma.

STUDENT WORKSHOP ON 'PROJECT PLANNING & MANAGEMENT USING PRIMAVERA P6' ORGANIZED

A workshop on 'Project Planning & Management using Primavera P6' was conducted from 9 to 13 October, 2023 with an objective to provide students valuable insights and hands-on experience in project planning and management using Primavera P6. The Guest of Honour was Mr. Vinod Garg, Founder of PROMAC Advisors Pvt. Ltd. Mr. Bhupesh Kumar from CADADDA, an Autodesk ATC (Authorised Training Centre) which provides certification courses and diploma in CAD / CAM / CAE discussed about Project Planning & Management using Primavera P6. The students were given exposure to the basics of Primavera P6, Project Planning and Scheduling, Resource, and Cost & Risk Management. The students also carried out some practical exercises including case studies. Dr. Pooja Jain was the coordinator of the workshop.

STUDENT WORKSHOP ON 'ANALYSIS AND DESIGN OF STRUCTURES USING ETABS' ORGANIZED

A five-day workshop on 'Structural Analysis and Design' was organized from 16 to 21 October, 2023 with an objective to provide training to the students to analyse the buildings subjected to both wind and earthquake loads. Students were taught about the methods of earthquake-resistant building design and were also taken on a site visit to IPD Tower at SMS hospital. Mr. Ankur Mishra and Dr. Sunita Tolani were the coordinators of the workshop. A total of 27 students of B.Tech, III year participated in this workshop.

TECHNICAL FEST 'ICI FEST 2023' ORGANIZED

The Indian Concrete Institute Student Chapter organised ICI Fest '23 from 15 to 17 September, 2023 at SKIT, Jaipur. The inaugural ceremony was graced by the presence of the Chief Guest, Mr. Ravi Jain, Commissioner, Panchayati Raj Department, Government of Rajasthan and the Guest of Honour, Mrs. Kanika Kalia, Director, BIS, Jaipur. Mr Jain motivated the upcoming technocrats for

learning new skills as the infrastructural needs of the industry have changed and the young graduates must excel and serve the nation in a smarter way using latest technologies. Mr. Surjaram Ram, Chairman, SKIT thanked all the guests and congratulated the entire team of ICI Fest '2023 for organising such a grand event.

The fest comprised of 'The Engineer's Saga' & 'The Student Ventures', for the industry persons and students. The major events held on the first day were BIS Manak Manthan, Engineers Day celebration and a panel discussion on Smart Cities. The second day of the event began with a technical session on '3D printing of Concrete' by Mr. Hitesh Meena (Head, BD-Tvasta, IIT Madras). He demonstrated and explained the application of 3D printing in the area of concrete. This was followed by a panel discussion on 'The Changing Needs of Employability'. Many inter-college competitions like 'Brick O Brick', 'Joist Kwik', 'Bowling Alley', 'Crack the CAD', 'Mud Venture', 'Walkathon' etc. were also organised. The key highlight of the fest was the 'Civil Expo' which was an amalgam of technical evolution and innovation. The fest was attended by many industry people and students from various institutions. Mr. Anirudh Mathur was the faculty coordinator of the event.



BOOK CHAPTERS PUBLISHED

BOOK : Plastic Waste Management

AUTHOR/S : Nandini Moondra

BOOK CHAPTER: Processing and Recycling of Plastic Wastes for

Sustainable Material Management, 2024

PUBLISHER ; Wiley, Germany

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

TITLE : A Comprehensive Review of Disaster

Management: Strategies, Challenges and

Innovations

AUTHOR/S : Jitendra Kumar Vyas, Akash Johani

PROCEEDING : Proceedings of Environmental Pollution

Abatement & Disaster Management

(ICEPADM-2024)TITLE:Progressive Collapse

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Analysis of Reinforced Concrete Buildings

AUTHOR/S : Sunita Tolani, Kahkashan Khanam, Amit Kumar

Sonwal, Kanishka, Aditi Vibhute

PROCEEDING : Proceedings of 13th Structural Engineering

Convention, 7 to 9 December, 2023

FDPs ATTENDED

TITLE : Energizing Sustainability through Renewable

Energy Systems (ESRES - 2024)

DATE : 18 to 22 March, 2024

ATTENDED BY : Gauray Gupta, Vikas Vyas, Jetender Babulal

Jangid, Akash Johari, Nandini Moondra

ORGANIZED BY : SKIT, Jaipur

TITLE : Research Methods and Data Analysis using

SPSS Software

DATE : 18 to 22 March, 2024

ATTENDED BY : Kishal Lal Jain, Nandini Moondra

ORGANIZED BY : SKIT, Jaipur

TITLE : Geotechnical Engineering Practices and its

Sustainable Development - 2024

DATE : 18 to 22 June, 2024

ATTENDED BY : Gaurav Gupta, Pooja Gupta, Abhishek Jain,

Kishal Lal Jain, Akash Johari

ORGANIZED BY: Department of Civil Engineering, BITM, Ballari

TITLE : Constructing Tomorrow: Advancements in

Construction Engineering & Structural Design

DATE : 8 to 13 March, 2024

ATTENDED BY : Gaurav Gupta, Vikas Vyas, Jetender Babulal

Jangid, Nikhil Kumar Sharma, Akash Johari,

Nandini Moondra

ORGANIZED BY: Department of CE, Poornima College of

Engineering, Jaipur

TITLE : Environmental Pollution and its Control

DATE : 18 to 22 March, 2024

ATTENDED BY : Vikas Vyas

ORGANIZED BY: NITTR Chandigarh

TITLE : Recent Advances in Structural Engineering and

Material Science (RASEMS)

DATE : 25 to 29 June, 2024

ATTENDED BY : Gaurav Gupta, Pooja Gupta, Pooja Jain,

Abhishek Jain, Akash Johari, Sitaram Saini

ORGANIZED BY: Department of Civil Engineering, Jorhat

Engineering College, Jorhat

TITLE : Recent advances in Civil and Environmental

Engineering

DATE : 24 to 28 June, 2024 ATTENDED BY : Abhishek Jain, Bharathi M

ORGANIZED BY: National Institute of Technology, Delhi

TITLE : Design of Buildings using ETABS

DATE : 1 to 30 June, 2024

ATTENDED BY : Pooja Jain

ORGANIZED BY : Skill Dzire in collaboration with AICTE

TITLE : Structural Analysis and Design using STAAD.Pro

DATE : 1 to 30 June, 2024

ATTENDED BY : Pooja Jain

ORGANIZED BY : Skill Dzire in collaboration with AICTE

TITLE : Financial Education a Life Skills under NEP

2020

DATE : 9 to 13 July, 2024

ATTENDED BY : Pooja Jain, Jitendra Kumar Vyas, Kishal Lal Jain,

Akash Johari, Pooja Gupta

ORGANIZED BY : SKIT, Jaipur

TITLE : PHP and MySQL
DATE : 8 to 12 July, 2024
ATTENDED BY : Pooja Gupta

ORGANIZED BY : SKIT, Jaipur

TITLE : Advancements in Concrete Technology

DATE : 2 to 7 November, 2023

ATTENDED BY : Abhishek Jain, Akash Johari, Deepak Sharma,

Gaurav Gupta, Kishan Lal Jain, Pooja Gupta,

Vikas Vyas

ORGANIZED BY: Department of Civil Engineering, BITM,

Ballari

TITLE : AdditiveManufacturing Advancements in

Different Applications

DATE : 26 to 31 December, 2023

ATTENDED BY : Akash Johani

ORGANIZED BY: Department of Mechanical Engineering.

SRM Institute of Science and Technology.

Ramapuram

TITLE : UHV in Higher Education for Viksit Bharat

@ 2047

DATE : 16 to 20 January, 2024

ATTENDED BY : Akash Johari, Ankur Mishra, Gaurav Gupta,

Kishan Lal Jain, Pooja Gupta

ORGANIZED BY: UHV & EC and Department of Management

Studies, SKIT, Jaipur

TITLE : E- Learning Content Development

DATE : 21 to 25 January, 2024

ATTENDED BY : Akash Johari, Deepak Sharma, Gaurav Gupta,

Pooja Gupta

ORGANIZED BY: Department of English, SKIT Jaipur

TITLE : Affordable Housing Techniques and

Practices

DATE : 12 to 16 February, 2024

ATTENDED BY : Akash Johari

ORGANIZED BY: NITTTR, Chandigarh

TITLE : Tax Planning, Financial Planning and Filing

of ITR

DATE : 21 to 25 February, 2024

ATTENDED BY : Akash Johari, Ankur Mishra, Kishan Lal Jain,

Vikas Vyas

ORGANIZED BY: Department of Management Studies, SKIT,

Jaipur

TITLE : Recent Advancement in Sustainable Energy

Sources: Research and Development

DATE: 26 February to 1 March, 2024

ATTENDED BY : Akash Johari, Gaurav Gupta, Vikas Vyas

ORGANIZED BY : Department of Physics, Karpagam Academy

of Higher Education, Coimbatore

CONFERENCE ATTENDED

TITLE : Environmental Pollution Abatement & Disaster

Management (ICEPADM-2024)

DATE : 28 to 30 March, 2024

ATTENDED BY : Kishal Lal Jain ORGANIZED BY : SKIT, Jaipur

NPTEL / mooKIT / IITBX / SWAYAM COURSES
COMPLETED

COURSE/ TOPIC : Expansive Soil COMPLETED BY : Pooja Gupta

DURATION & CATEGORY : January to March, 2024 (8-week).

Awarded Elite with Silver Certificate

COURSE/TOPIC : Introduction to Civil Engineering

Profession

COMPLETED BY : Nandini Moondra

DURATION & CATEGORY : January to March, 2024 (8 -week).

Awarded Topper 1%

COURSE/ TOPIC : Air Pollution and Control COMPLETED BY : Jitendra Kumar Vyas

DURATION & CATEGORY : January to April, 2024 (12 -week).

Awarded Topper 2%

COURSE/TOPIC : Learning English in Hindi COMPLETED BY : Jetender Babulal Jangid

DURATION & CATEGORY : January to March, 2024 (8 -week).

Successfully Completed.

COURSE/ TOPIC : Introduction to Engineering

Seismology

COMPLETED BY : SunitaTolani

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DURATION & CATEGORY : July to October, 2023 (12 week).

Awarded Elite with Silver Certificate

COURSE/ TOPIC : Admixtures and Special Concretes

COMPLETED BY : Rakesh Choudhary

DURATION & CATEGORY : July to October, 2023 (12 week).

Awarded Elite Certificate

Ph.D. AWARDED

THESIS TITLE : IoT based Resource Management

Automation for Building Projects

Ph.D AWARDED TO : Sameer Jain

SUPERVISED BY : Prof.D.K. Sharma, Dr S. Taruna

(JKLU), Dr Sanchez Gustave

(MYW.Al, Italy)

INSTITUTE : JK Lakshmipat University, Jaipur

YEAR : 2024

PATENT FILED

TITLE : Construction Material Quality Checker

NAME : Abhishek Jain

DESIGN NO. : 412335-001 DATE OF APPLICATION:

2 April, 2024

EXPERT TALK DELIVERED

TITLE : Advanced Concrete Technology & Non

Destructive Testing (NDT)

DATE&VENUE : 22 May, 2024. Engineering Staff Training

Institute, Jaipur

DELIVERED BY : Rakesh Choudhary

TITLE : Self Compacting Concrete; A Revolution in the

Construction Industry

DATE & VENUE : 9 April, 2024. Sri Balaji College of Engineering

and Technology, Jaipur

DELIVERED BY : Abhishek Jain

TITLE : Concrete Mix Design and Hardened Concrete

Testing Procedure

DATE & VENUE : 18 May, 2024, Renoverse Industry Pvt, Ltd.,

Udaipur

DELIVERED BY : Abhishek Jain

M.TECH. SUPERVISED

DISSERTATION TOPIC: Identification of Blackspots and Mitigation

Measures at Selected Locations of

National Highway - 48

NAME OF STUDENT : G.C. Mathur

GUIDED BY : Anirudh Mathur

DISSERTATION TOPIC: Effect of Compaction Temperature on

Warm Mix Asphalt Produced Using

Organic Additive

NAME OF STUDENT : Ankit Nagarwal

GUIDED BY

: Nishant Sachdeva

PAPER PRESENTED IN CONFERENCE

TITLE Land Use Change in Selected Districts of

Rajasthan

AUTHOR/S Sanuj Mohan, Rishabh, Rahul Meena,

Naveen Kumar and Bharathi M.

CONFERENCE International Conference on Advanced

> Computing Techniques in Engineering & Technology (ACTET-2023), SKIT, Jaipur,

18 to 19 December, 2023

WORKSHOPS ATTENDED

TITLE Repair and Rehabilitation of Structures of

Hydro Power Projects

DATE 13 to 14 December, 2023

ATTENDED BY Pooja Gupta

ORGANIZED BY : Central Water and Power Research Station, Pune

TITLE Green Practices for Sustainable Development

DATE 6 to 10 February, 2024

ATTENDED BY Abhishek Jain, Akash Johari, Ankur Mishra,

Pooja Gupta, Vikas Vyas

ORGANIZED BY : Department of Chemistry & Civil

Engineering, SKIT, Jaipur

STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE Geospatial Analysis using Google Earth Engine

DATE 19 to 23 February, 2024

ATTENDED BY : Akash Johari, Deepak Sharma, Kishan Lal Jain,

Vikas Vyas

ORGANIZED BY : ISRO and IIRS Dehradun

TITLE Exploring Earth\'s Moon through Chandrayaan

DATE : 19 to 23 February, 2024 ATTENDED BY : Akash Johari, Deepak Sharma ORGANIZED BY : ISRO and IIRS Dehradun

TITLE : Road Safety Audit and other Road Safety

Related Aspects

DATE : 15 to 30 April, 2024

ATTENDED BY : D.K. Sharma

ORGANIZED BY : CSIR - Central Road Research Institute.

New Delhi

PAPERS REVIEWED

TITLE : Study on Bending Performance of 3D Printed

PVA Fiber Reinforced Cement Based Material

REVIEWER NAME: Abhishek Jain

JOURNAL : Construction and Building Materials

TITLE : Soil Arch Shape Change and Dynamic

Response of Lining Structure for High Fill Cut

and-Cover Tunnel under Seismic Loads

REVIEWER NAME: Bharathi M.

JOURNAL : International Journal of Geomechanics, ASCE

TITLE : Effect of Sloping Ground on the Pile Behavior

under Varving Static Lateral loads

REVIEWER NAME: Bharathi M.

JOURNAL : Indian Geotechnical Journal

EXPERT TALK DELIVERED

TITLE : Compressibility and Consolidation

DATE&VENUE : 18 December, 2023. At Sri Balaji College of

Engineering and Technology, Jaipur

DELIVERED BY : Nishant Sachdeva

TITLE : Advanced Concrete Technology

DATE&VENUE : 31 January, 2024. At Engineering Staff Training

Institute, Jaipur

DELIVERED BY : Rakesh Choudhary

: Advanced Concrete Technology TITLE

DATE & VENUE : 9 January, 2024. At Engineering Staff

Training Institute, Jaipur

DELIVERED BY : Rakesh Choudhary



DEPARTMENT OF MANAGEMENT STUDIES



FDP ON 'RESEARCH METHODS AND DATA ANALYSIS USING SPSS'ORGANIZED

A five-day Faculty Development Programme (FDP) on 'Research Methods and Data Analysis using SPSS' was organized jointly by the Department of Management Studies and the Department of Mechanical Engineering from 18 to 22 March, 2024, The event commenced with a welcome note by Dr. Ona Ladiwal, HOD-DMS, who emphasized on the importance of enhancing research skills followed by an address by Dr Dheeraj Joshi, HOD-ME.

Over the course of the FDP, participants were introduced to a variety of research methodologies and statistical tools. The expert speakers from various fields were invited. Dr. Deepak Kumar talked on Research Methodology and ANOVA, Dr. Manoj Kumar Sain focused on SPSS Software, Correlation, and Regression; Dr. Achin Srivastava's session on the third day dealt with Descriptive Analysis and Cross-Tabulation. The final day of the event began with Dr. Srivastava's session on Forecasting and Time Series Analysis. The FDP concluded with a formal vote of thanks by Dr. Ajay Verma. The event was coordinated by Dr Atul Gupta and Dr Ajay Verma



INTERNATIONAL CONFERENCE ON 'MANAGEMENT, BUSINESS & ECONOMY' ORGANIZED

The international conference on 'Management, Business, and Economy' was organized from 24 to 25 April, 2024 with an objective to bring together academics, policymakers, and researchers to discuss global challenges and innovations in Management, Business, and Economics. The event commenced

with a welcome address by Shri Jaipal Meel, Director, SKITM&G; and an address by Prof. (Dr.) S. L. Surana, Director (Academics). Prof. Rakesh Mohan Joshi, Director, IIPMB was invited as the Chief Guest who in his keynote address emphasized on the relevance of agile management and digital transformation.

The conference had four plenary sessions. In the first session, Dr. S. S. Somra, Professor, Department of Economics, University of Rajasthan talked on 'World Economy & Future Expectations' followed by the subsequent session on the 'Role of Management in Changing Environment' by Mr. Anurag Vijay, ex-DGM Marketing, Mahindra Lifespace Developers Ltd., and Prof. Naren Prasad from the International Labour Organization, Geneva. Dr. Anjoo Chauhan, Head, Faculty of Commerce and Management at Maharishi Arvind University, and Ms. Apurva Sharma, a Data Analytics Consultant from USA took the third session on 'Business Leadership & Sustainable Development'. The fourth session on 'Environmental Issues & Challenges for Global Business Economy' was conducted by Mr. Nitin Dhingra, Chief Digital Officer, Somany Impresa Group. The conference concluded with a valedictory ceremony in which certificates were awarded to the participants, Dr. Atul Gupta and Dr Savita Choudhary coordinated the conference.



INDUSTRIAL VISIT TO SALEM KAGZI, PAPER INDUSTRY, JAIPUR ORGANIZED

An industrial visit to Salem Kagzi, Paper Industry, Jaipur was organized for the students of MBA on 10 May, 2024 with an aim to expose the students to the real working environment. Salem



Kagzi Paper Industry is using waste materials to make usable sustainable items and is earning a name and reputation in handicraft sector.

This visit was organized under the guidance of Dr. Ajay Verma and Dr Atul Gupta .

INDUSTRIAL VISIT TO HASTKALA, JAIPUR ORGANIZED

An industrial visit to Hastkala, Jaipur was organized for the students of MBA on 21 May, 2024 with an objective to educate the students about various stages of production from raw material procurement to finished product assembly, knowledge about quality control and supply chain management etc. Dr. Maneesha kaushik and Mr. Tarun Sharma were the faculty coordinators for the visit.



ORIENTATION PROGRAMME 'SHUBHARAMBH: EMPOWERING FUTURE MANAGERS' ORGANIZED

The orientation programme, 'Shubharambh: Empowering Future Managers' was organized from 13 to 14 September, 2023 with an aim to introduce the students and their parents with the culture and resources of SKIT. The event was graced by the presence of the Chief Guest, Shri N. K. Jain, President, Employers Association of Rajasthan & Managing Director of Vidyut Teletronics Limited and also Chairman of three Govt. ITI's; Guests of Honor, Prof. Ramesh Arora, Ex. Professor, Rajasthan University, Corporate Trainer, Author & Motivational Speaker; and Mr. Mukesh Gupta, Mentor & Chief Editor, Hello Kisan. Prof. Arora shared his insights and told students how self motivation and self confidence play an important role in building one's career while Mr. Gupta talked on the importance of effective communication skills. Dr. Atul Gupta (Dy. HOD, DMS) presented the vote of thanks. The inaugural ceremony was followed by a session on 'Skill Development for Managers' by Mr. Vineet Jain.

Day 2 began with a guest lecture on 'Creativity and Innovation' by Dr. Mamta Jain, Vice Principal, Commerce College. Eminent speakers- Dr. S. S. Rajpurohit from Modi University; Ms. Ritesh Sharma, Branch Head, Bank of Baroda; Prof. Anil Mehta from Banasthali University were invited to take sessions on various topics such as 'Active Listening for Lateral Thinking', 'Ethical Marketing' and 'Personal & Professional Excellence' respectively.



RE-ORIENTATION PROGRAM FOR MBA III SEMESTER ORGANIZED

Re-Orientation Programme, 'Navodaya: Rising Story of Future Managers' was organized for MBA-III Semester students on 3 October, 2023. Dr. Krishna Dayal Sharma and Mr. Vineet Jain from SKIT were the invited speakers. The event was coordinated by Mr. Ajay Verma.



INDUSTRIAL VISIT TO 'MIRACLE GROUP' JAIPUR ORGANIZED

An industrial visit to 'Miracle Group', the packaging industry located in RIICO Industrial Area, Bagru, Extension Phase 2, Jaipur was organized for MBA I and III Semester students on 5 October,

2023 with an objective to introduce the students to actual practical concepts. Mr. Sumit Sharma, Manager - HR welcomed the faculty and the students and gave a brief history of the company. He apprised the students of the working mechanism of machinery and equipment and also discussed about the various aspects of management. Dr. Ajay Verma and Mr. Tarun Sharma were the faculty coordinators for the visit.



NATIONAL SEMINAR ON 'NEW AGE TRENDS IN ENTREPRENEURSHIP' ORGANIZED

A national seminar on 'New Age Trends In Entrepreneurship' was organized on 4 October, 2023 with an objective to foster insights and discussions on the evolving landscape of entrepreneurial endeavors. The event was coordinated by Dr. Maneesha Kaushik.



FDPs ATTENDED

TITLE : Presentation Skills
DATE : 10 to 14 June, 2024

ATTENDED BY : Tarun Sharma, Ajay Verma

ORGANIZED BY : ICT Academy

TITLE : UHV In Higher Education for Vikshit

Bharat @ 2047

DATE : 16 to 20 January, 2024

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ATTENDED BY : Tarun Sharma, Ajay Verma

ORGANIZED BY : UHV&EC in association with Department

of Management Studies

TITLE: UHV In Higher Education for Vikshit.

Bharat @ 2047

DATE : 16 to 20 January, 2024 ATTENDED BY : Tarun Sharma, Ajay Verma

ORGANIZED BY : UHV&EC in association with Department of

Management Studies

PATENT GRANTED

TITLE : Waste Sorting & Recycling Station

NAME : Ona Ladiwal DATE : 12 April, 2024

PAPERS PRESENTED IN CONFERENCES/ SEMINAR

TITLE : Nonviolent Leadership in Business:

Lessons from Gandhi's Satyagraha

AUTHOR/S : Tarun Sharma

SEMINAR : Seminar Gandhi's Vision for India: 1947 to

2047, MAU Jaipur, 2 November, 2023

TITLE : Elevating Women in Senior Management

Roles: Influences on Organisational

Leadership Strategies

AUTHOR/S : OnaLadiwal

CONFERENCE: Vision 2030 (ETIRP), K.R. Mangalam

University: 12 December to 13 December, 2023

TITLE : Bibliometric Analysis of Innovation

Strategies in Entrepreneurship and

Business Management

AUTHOR/S : OnaLadiwal

CONFERENCE: Conference on Vision 2030 (ETIRP), K.R.

Mangalam University; 12 to 13 December, 2023

TITLE : Nonviolent Leadership in Business: Lessons

from Gandhi's Satyagraha

AUTHOR/S : Tarun Sharma

SEMINAR : Seminar Gandhi's Vision for India: 1947 to 2047.

MAU Jaipur, 2 November, 2023

TITLE : Elevating Women in Senior Management Roles:

Influences on Organisational Leadership

Strategies

AUTHOR/S : OnaLadiwal

CONFERENCE: Vision 2030 (ETIRP), K.R. Mangalam University;

12 December to 13 December, 2023

TITLE : Bibliometric Analysis of Innovation Strategies in

Entrepreneurship and Business Management

AUTHOR/S : OnaLadiwal

CONFERENCE: Conference on Vision 2030 (ETIRP), K.R.

Mangalam University; 12 to 13 December, 2023

PATENTS PUBLISHED

TITLE : A Method for Embracing

Transformation and Driving Organisational Success in the

Digital Age

NAME : Savita Choudhary

PATENT FILED DATE : 202311073233; 27 October, 2023

PATENT PUBLISHED DATE : 24 November, 2023

TITLE : An Enhanced Decision Making

Method for Strategic Management

NAME : Savita Choudhary

PATENT FILED DATE : 202311073544; 28 October, 2023

PATENT PUBLISHED DATE : 24 November, 2023

TITLE : A Smart Decision-Making System

For Trade-Off Analysis And Opportunity Cost Assessment

NAME : Atul Gupta, Tarun Sharma,

Ajay Verma

PATENT FILED DATE : 202411007082, 31 January, 2024

PATENT PUBLISHED DATE : 9 February, 2024

TITLE : A Method for Embracing

Transformation and Driving Organisational Success in the

Digital Age

NAME : Savita Choudhary

PATENT FILED DATE : 202311073233; 27 October, 2023

PATENT PUBLISHED DATE : 24 November, 2023

TITLE : An Enhanced Decision Making

Method for Strategic Management

NAME : Savita Choudhary

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TITLE : A Smart Decision-Making System

For Trade-Off Analysis And Opportunity Cost Assessment

NAME : Atul Gupta, Tarun Sharma,

Ajay Verma

PATENT FILED DATE : 202411007082, 31 January, 2024

PATENT PUBLISHED DATE ; 9 February, 2024

SUCCESS IS THE BEST REVENGE

DEPARTMENT OF BASIC SCIENCES & HUMANITIES



DEPARTMENT OF MATHEMATICS

STUDENT WORKSHOP ON 'APPLICATIONS OF MATHEMATICS IN MODELLING AND OPTIMIZATION TECHNIQUES' ORGANIZED

A two- day student workshop on 'Applications of Mathematics in Modelling and Optimization Techniques' was organized from 23 to 24 May, 2024. Expert speakers from reputed institutes were invited. Dr. Devendra Kumar from the University of Rajasthan gave his lecture on 'Mathematical Modelling'; Dr. Shivi Agrawal from BITS Pilani talked about the objectives of teaching Mathematics in Engineering, Basics of LPP with their Geometrical Implementation, Introduction to DEA, Frontier Analysis etc.; and Dr. Trilok Mathur from BITS Pilani discussed about Neural Networks, Neuron Abstraction Algebra and Role of a Mathematician behind neural network. All the sessions were quite enlightening and the participants might have benefited from the discussions and would have substantial takeaways. The work shop was coordinated by Dr. Vijay Kumar Singhal and Dr. Sumit Gupta



PAPERS PRESENTED IN CONFERENCES

TITLE : A Novel Approach to Population Growth

Model Via Laplace Decomposition Method

AUTHOR/S : Deepika Jain

CONFERENCE : International Conference on Mathematical

Modelling, Applied Analysis and Computation 2023, Department of Mathematics, School of

Science, JECRC University

TITLE

ATTENDED BY : Deepika Jain

ORGANIZED BY: NITTTR, Chandigarh

FDPs ATTENDED TITLE : UHV in Higher Education for Viksit Bharat

TITLE

DATE

TITLE

DATE

ATTENDED BY

@ 2046

ORGANIZED BY: Arya College of Engg. & I.T.

DATE : 16 to 20 January, 2024 TITLE : Life Skills for Blissful Life

ATTENDED BY : Nawal Kishore Jangid, Vijay Kumar Singhal, DATE : 18 to 22 March, 2024

Chandra Prakash Jain

with Pantech E learning

: Recent Trends in Mathematics and Technology

: Recent Trends in Science and Technology 2.0

Amit Dadheech, Jyoti Arora, Surbhi Sharma

: 22 to 29 December, 2023

ORGANIZED BY: SRM TRP Engineering College, Tiruchirappalli

: 20 to 24 November, 2023

ATTENDED BY : Vijay Kumar Singhal, Nawal Kishore Jangid,

: Vijay Kumar Singhal

ORGANIZED BY : SKIT, Jaipur ORGANIZED BY: Anand International College of Engineering

TITLE : E-Learning Content Development TITLE : Modeling and Simulation using MATLAB and

> DATE : 21 to 25 January, 2024 SCILAB

: Vivek Vijay, Vijay Kumar Singhal ATTENDED BY DATE : 14 to 18 May, 2024

ORGANIZED BY : SKIT, Jaipur ATTENDED BY : Vivek Vijay

TITLE : Applications of Al & Data Science in

> Healthcare : Advancements in data science: Exploring

DATE : 29 January to 3 February, 2024 Cutting-Edge Techniques & its Applications

ATTENDED BY : Vivek Vijay DATE : 27 to 31 May, 2024

ORGANIZED BY: Department of CSE, SKIT ATTENDED BY : Vivek Vijay

ORGANIZED BY: Amity Institute of Information Technology,

: Machine Learning Amity University Rajasthan DATE : 20 to 25 November, 2023

ATTENDED BY : Amit Dadheech, Jyoti Arora, TITLE : LaTex for Writing Research Papers & Scientific

> Surbhi Sharma Documents

ORGANIZED BY: NSMS Institute of Pharmacy in association

DATE : 24 to 30 June, 2024 ATTENDED BY : Vivek Vijay

ORGANIZED BY: A.C.T. Academy, Kerala

TITLE : IoT with Machine Learning

DATE : 27 November to 2 December, 2023 TITLE : Essential Skills for Professional Development

ATTENDED BY : Amit Dadheech, Jyoti Arora, Surbhi Sharma in Higher Education

ORGANIZED BY: PVKK Institute of Technology in association DATE : 1 to 7 July, 2024

with Pantech E Learning ATTENDED BY : Vivek Vijay

ORGANIZED BY: Star International Foundation for Research and

TITLE : Chatgpt and Al Tools for Academicians Education

DATE : 27 November to 1 December, 2023

TITLE

TITLE

ATTENDED BY : Amit Dadheech, Jyoti Arora, Surbhi Sharma TITLE : Recent Trends in Mathematics and Technology

ORGANIZED BY : ASET College of Science and Technology, : 22 to 29 December, 2023 DATE

Chennal ATTENDED BY : Vivek Vijay, Nawal Kishore Jangid

ORGANIZED BY: Education and Educational Management

: Health and Wellness for Managing a Department, NITTTR, Chandigarh

Healthy Lifestyle

DATE : 27 November to 1 December, 2023 TITLE : Effective Teaching of Mathematical Applications

ATTENDED BY : Amit Dadheech, Jyoti Arora, Surbhi Sharma in Engineering

ORGANIZED BY: Department of Management Studies, Vidya DATE : 26 to 30 December, 2023

Vikas Institute of Engineering & Technology, ATTENDED BY : Kumar Singhal

Mysuru

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ORGANIZED BY: NITTTR Chennal

TITLE : NEP 2020 Orientation & Sensitization

Programme

DATE : 18 to 30 December, 2023

ORGANIZED BY: Malaviya Mission Teacher Training Programme

(MM-TTP) of University Grants Commission (UGC) organized by Kurukshetra University

ATTENDED BY : Amit Dadheech, Jyoti Arora, Surbhi Sharma

TITLE : Green Practices for Sustainable Development

DATE : 6 to 10 February, 2024

ATTENDED BY : Jyoti Arora, Surbhi Sharma, Pramila Kumawat,

Sangeeta Gupta

ORGANIZED BY : Department of Chemistry and Civil Engineering

SKIT, Jaipur

TITLE : Pure and Applied Mathematics

DATE : 3 to 9 February, 2024 ATTENDED BY : Vijav Kumar Singhal

ORGANIZED BY : PG and Research Department of Maths,

J M College, Tiruchirappalli

TITLE : Enhancing Research Capabilities for

Academic Career Progression

DATE : 15 to 19 February, 2024

ATTENDED BY : Sangeeta Gupta ORGANIZED BY: NITTTR chandigarh

: Intellectual Property Rights, Product TITLE

Development & Entrepreneurship

DATE : 13 to 17 February, 2024

ATTENDED BY : Vivek Vijay

ORGANIZED BY : Poornima Innovation & Incubation Cell,

PCE, Jaipur

: Tax planning, Financial Planning & Filling TITLE

of ITR

DATE : 21 to 25 February, 2024

ATTENDED BY : Chandra Prakash Jain, Sumit Gupta

ORGANIZED BY : Department of Management Studies-SKIT,

Jaipur

TITLE : Recent Trends in Artificial Intelligence and

Machine Learning for Smart Computing

DATE : 12 to 16 February, 2024

ATTENDED BY : Sumit Gupta

ORGANIZED BY: RTU and Institute of Electronics and

Telecommunication Engineers

TITLE : A Comprehensive Exploration of Cognitronics

by Unraveling Technologies

DATE : 6 to 10 February, 2024

ATTENDED BY : Sumit Gupta

ORGANIZED BY: RTU and Institute of Electronics and

Telecommunication Engineers

TITLE : Latest Trends on Computational Mathematics

Theory, Methods & Applications

DATE : 26 February to 1 March, 2024 ATTENDED BY : Sangeeta Gupta, Sumit Gupta

ORGANIZED BY : JIS University

TITLE :Research Methodologies for Science,

Management and Engineering Projects

DATE : 9 to 13 October, 2023

ATTENDED BY : Pramita Kumawat, Sangeeta Choudhary

ORGANIZED BY : Education and Educational Management

Department, NITTTR, Chandigarh

TITLE : Blended Learning and Flipped Classroom

DATE : 16 to 20 October, 2023

ATTENDED BY : Pramila Kumawat, Sangeeta Choudhary ORGANIZED BY : Education and Educational Management

Department, NITTTR, Chandigarh

TITLE : Spoken Tutorial Project on 'R'

DATE : 21 to 25 August, 2023

ATTENDED BY : Chandra Prakash Jain, Pramila Kumawat,

Vijay Singhal

ORGANIZED BY : SKIT, Jaipur

NPTEL / mooKIT / IITBX / SWAYAM COURSES COMPLETED

COURSE/ TOPIC Introduction to Operations Research

COMPLETED BY Sangeeta Choudhary

DURATION & CATEGORY : February to March (8- week),

Silver Certificate

COURSE/ TOPIC : Introduction to Methods of Applied

Mathematics

COMPLETED BY : Chandra Prakash Jain, Nawal

Kishore Jangid

DURATION & CATEGORY : July to October (12-week). Awarded

Elite Certificate

COURSE/ TOPIC : A Basic Course in Number Theory

COMPLETED BY Vivek Vijay

DURATION & CATEGORY : July to October (12-week). Awarded

Silver Certificate

COURSE/TOPIC : Problem Solving Through

Programming in C

COMPLETED BY : Jvoti Arora

DURATION & CATEGORY : July to October (12-week). Awarded

Silver Certificate

COURSE/ TOPIC : Introduction to Basic Spoken

Sanskrit and Intermediate Level of

Spoken Sanskrit

COMPLETED BY : Pramila Kumawat

DURATION & CATEGORY : July to October (12-week). Awarded

Gold Certificate

PAPERS PRESENTED IN CONFERENCES

TITLE : Enhancing Renewable Energy Deployment

and Energy Efficiency: Alternative

Technologies for a Sustainable Future

AUTHOR/S : Jyoti Arora

CONFERENCE : ICONRER, 2023, SKIT

TITLE : Entropy Generation for MHD Casson Fluid

Flow over a Melting Surface with Slip Effect and Chemical Reaction

AUTHOR/S : Amit Dadheech, Surbhi Sharma

CONFERENCE : ICONRER, 2023, SKIT

STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE : Modeling and Simulation in Science And

Engineering

DATE : 19 to 23 February, 2024

ATTENDED BY : Sangeeta Gupta

ORGANIZED BY: Malviya National Institute of Technology, Jaipur

TITLE : Latest Trends on Computational Mathematics -

Theory, Methods & Applications

DATE: February to 1 March, 2024

ATTENDED BY : Sumit Gupta

ORGANIZED BY : Institute Innovation Council

TITLE : Energizing Sustainability through Renewable

Energy Systems

DATE : 18 to 22 March, 2024

ATTENDED BY : Sumit Gupta

ORGANIZED BY: Department of ME, SKIT

TITLE : Mathematical Modelling on Biological &

Physical Systems with Different Simulation

Techniques

DATE: 4 to 9 January, 2024

ORGANIZED BY: Department of Mathematics, Mahadevananda

Mahavidyalaya

ATTENDED BY : Amit Dadheech , Jyoti Arora, Surbhi Sharma

TITLE : Mathematics with computational learning for

Engineering and technological applications

(MCET 2023)

DATE : 20 to 24 November, 2023

VENUE : Dr. B.R. Ambedkar National Institute of

Technology, Jalandhar, India

ATTENDED BY : Chandra Prakash Jain, Vivek Vijay

TITLE : STTP on Mathematical Modelling and

Numerical Simulation

DATE : 24 to 28 July, 2023 ATTENDED BY : Chandra Prakash Jain

ORGANIZED BY ; B.R. Ambedkar Institute of Technology,

Jalandhar

TITLE : STTP on IC Engine Testing and Simulation

DATE : 10 to 14 October, 2023 ATTENDED BY : Chandra Prakash Jain

ORGANIZED BY : SKIT, Jaipur

DATE

TITLE : Refresher Course in Mathematics (PYTHON &

Vedic Mathematics) : 13 to 26 July, 2023

ATTENDED BY : Shalini Shekhawat, Vivek Vijay, N.K. Jangid,

C.P. Jain

ORGANIZED BY: Teaching Learning Center, Ramanujan College,

Ramanujan College, University of Delhi

PAPERS REVIEWED

TITLE : Numerical Study of Hybrid Binary At2O3

Cu-H2O Nanofluid Coating Boundary Layer

Flow from an Exponentially Stretching/ Shrinking Perforated Substrate with

Cattaneo-Christov Heat Flux, Heat Source,

Suction, and Multiple Slip Effects.

REVIEWER NAME: Sumit Gupta

JOURNAL : Numerical Heat Transfer Part B, Taylor

and Francis.

TITLE : Unsteady Tetra Hybrid Nanofluid in MHD

Flow between Two Parallel Rotating

Stretchable Disks under Chemical Reaction

and Activation Energy Effects.

REVIEWER NAME: Sumit Gupta

JOURNAL : Numerical Heat Transfer Part A, Taylor

and Francis.

TITLE : Enhanced Heat Transfer Analysis for

Stagnation Point Flow of Hybrid Nanofluids:

A Homotopy Analysis Approach.

REVIEWER NAME: Sumit Gupta

JOURNAL : Scientific Reports, Nature.

EXPERT TALK DELIVERED

TITLE : Mathematical Insight into Real-World

Problems for Mathematics, Statistics and Computer Science Faculty: Al tools for Research

DATE & VENUE : University of Rajasthan

DELIVERED BY : Sangeeta Gupta

BOOKS PUBLISHED

TITLE : Engineering Mathematics-I, Advanced

Engineering Mathematics-I

AUTHORS : Amber Srivastava, Rohit Mukherjee

PUBLISHER : Genius Publications (India).

TITLE : Discrete Mathematical Structures

AUTHORS : Amber Srivastava

PUBLISHER : Genius Publications (India).

TITLE : Polytechnic Ganit-I, Polytechnic Ganit-II

AUTHORS : Vijay Kumar Singhal PUBLISHER : University Book House

WORKSHOPS ATTENDED

TITLE : Frontiers in Multidisciplinary Research

DATE : 16 to 22 August, 2023

ATTENDED BY : Chandra Prakash Jain, Vivek Vijay

ORGANIZED BY : Galgotias University

TITLE: National Workshop on Applied Mathematics

and Computing

DATE : 12 to 16 October, 2023

ATTENDED BY : Pramila Kumawat

ORGANIZED BY: Dept. of Engineering Mathematics and

Computing, Madhav Institute of Technology

and Science, Gwalior, M.P.

FACULTY ACHIEVEMENT

- Mr Amit Dadheech has been selected as a member of the editorial board of the International journal of Fluid Mechanics and Thermal Sciences
- Mr Sumit Gupta evaluated a thesis titled 'A Study on an almost Complex Manifold and almost Contact Manifolds' of Dr. K.N. Modi University

IF IT WAS EASY, EVERYONE WOULD DO IT.

DEPARTMENT OF CHEMISTRY

INTERNATIONAL CONFERENCE ON 'ENVIRONMENTAL POLLUTION ABATEMENT & DISASTER MANAGEMENT' ORGANIZED

The International Conference on 'Environmental Pollution Abatement & Disaster Management' was organized by the Department in association with the Royal Society of Chemistry & Green Chemistry Research Centre, Bikaner & Society for Promotion and Education of Sciences from 28 to 30 March, 2024 with an objective to provide an ideal environment for developing new collaborations and to foster an environment conducive to exchanging ideas and information. The conference commenced with an inaugural ceremony graced by the presence of the Chief Guest Prof. John C. Warner, President, CTO and Chairman of Warner Babcock Institute for Green Chemistry, USA; Honored Guests-Prof. Shraddhakar, Principal Engineer, Worley Engineering, West Virginia, USA; Prof. R. K. Sharma, Coordinator, Green Chemistry Network Centre and Honorary Professor, Deakin University, Australia; and Prof. B. P. Suneja, Professor in Civil Engineering Department, Dean, Faculty of Engineering and Architecture, RTU, Kota, Rajasthan.



Experts from USA, IITs, NITs, Central Universities and industries shared their research findings. More than 60 participants including research scholars, faculty members and industry persons presented their papers. The Conference also received a grant of Rs. 25,000 from the Royal Society of Chemistry.

NATIONAL WORKSHOP ON 'GREEN PRACTICES FOR SUSTAINABLE DEVELOPMENT' ORGANIZED

A five day national workshop on 'Green Practices for Sustainable Development' was organized by the Departments of Chemistry and Civil Engineering for faculty and research Scholars from 6 to 10 February, 2024 with an objective to generate awareness on sustainability and green practices not only in labs but also in everyday life. Experts from various fields of green practices were invited who shared their valuable insights on how world is



transforming itself by employing green technology in every aspect oflife. Dr. Narendra Bhojak, Dr. Bhandari, Dr. Garima Kaushik, Dr.Nivedita Kaul, Dr. A. B. Gupta and Dr.Verma from Bikaner University, Central University and MNIT guided the audience to practice green techniques.

PAPERS PUBLISHED IN CONFERENCE PROCEEDINGS

: Understanding Innovation in Education: Review

AUTHOR/S : Poonam Ojha

TITLE

PROCEEDING: Innovation and Knowledge Management

Proceeding -2024 ISBN: 978-81-970172-7-8

TITLE : Bioethanol Production from Lignocellulosic

Biomass: A Review

AUTHOR/S : Archana Saxena, Sharda Soni

PROCEEDING: Proceedings of International Conference on

New and Renewable Resources For Sustainable Future (ICONRER – 2023)

ISBN: 97881-954233-9-2

PAPERS PRESENTED IN CONFERENCES

TITLE : Review on Effects of Fluoride Contamination and

Remediation Methods

AUTHOR/S : Poonam Ojha

CONFERENCE: International Conference on Environmental

Pollution Abatement and Disaster Management,

SKIT, Jaipur; 28 to 30 March, 2024

TITLE : A study of Ecofriendly Nanomaterials for Water

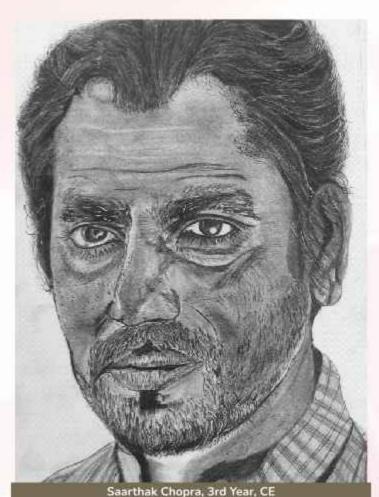
Purification

AUTHOR/S : Swati Joshi

PROCEEDING: International Conference on Environmental

Pollution Abatement and Disaster

Management, SKIT; 28 to 30 March, 2024





TITLE : Use of Nanotechnology for Pollution

Treatment: A Review

AUTHOR/S : Swati Joshi

CONFERENCE: International Conference on New and

Renewable Energy Resources for Sustainable Future, 2 to 4 November, 2023; Department of

Mechanical Engineering, SKIT, Jaipur.

TITLE : Emerging Waste To Energy Technologies for

Sustainable Municipal Solid Waste: Review

AUTHOR/S : Poonam Ojha

CONFERENCE: International Conference on New and

Renewable Energy Resources for Sustainable Future, 2 to 4 November, 2023; Department of

Mechanical Engineering, SKIT, Jaipur

TITLE : Use of Nanomaterials for Air Pollution

Control: A Review

AUTHOR/S : Swati Joshi, Poonam Ojha

CONFERENCE: International Conference on Recent Trends in

Environment and Sustainable Development from 22 to 24 December, 2023; Vivekananda

Global University, Jaipur

TITLE : Study on Control of Air Pollution using

Nanotechnology

AUTHOR/S : Swati Joshi

CONFERENCE: International Multidisciplinary Conference on

Emerging Trends and Perspectives in Research and Innovations, 23 to 24 February, 2024; S. S. Jain Subodh P. G. Mahila Mahavidyalaya, Jaipur

TITLE : Review on Effects of Fluoride Contamination

and Remediation Methods

AUTHOR/S : Poonam Ojha

CONFERENCE: International Multidisciplinary conference on

Emerging Trends and Perspectives in Research and Innovations, 23 to 24 February, 2024; S. S. Jain Subodh P. G. Mahila Mahavidyalaya, Jaipur

TITLE : Bioethanol Production from Lignocellulosic

Biomass: A Review

AUTHOR/S : Archana Saxena, Sharda Soni

CONFERENCE: Conference on New and Renewable Resources

for Sustainable Future (ICONRER - 2023).

ISBN: 978-81-954233 9-2

TITLE : Role of Chitosan based Nanocomposites for

Treatment of Drinking Water

AUTHOR/S : Poonam Ojha

CONFERENCE: National Symposium on Materials for Twenty

First Century, 12 August, 2023 organized by the Society for Materials Chemistry, Jaipur Chapter,

University of Rajasthan, Jaipur

TITLE : Nano Materials for Domestic and Waste Water

Treatment

AUTHOR/S : Swati Joshi

CONFERENCE: National Symposium on Materials for Twenty

First Century, 12 August, 2023 organized by the Society for Materials Chemistry, Jaipur Chapter,

University of Rajasthan, Jaipur,

TITLE : Ethanol production from Agro waste: A Review

AUTHOR/S : Archana Saxena, Sharda Soni

CONFERENCE: International Conference on New and Renewable

Energy Resources for Sustainable Future, 2 to 4 November, 2023, (ICONRER-2023) organized by

the Dept. of Mechanical Engineering, SKIT

FDPs ATTENDED

TITLE : Green Biotechnology and Bioenergy

DATE : 18 to 24 December, 2023 ATTENDED BY : Swati Joshi, Poonam Ojha

ORGANIZED BY: Department of Biotechnology, Arunai

Engineering College, Tiruvannamalai, Tamilnadu

TITLE : E-learning Content Development

: 21 to 25 January, 2024 DATE ATTENDED BY : Swati Joshi, Poonam Ojha

ORGANIZED BY : Department of English, SKIT, Jaipur

WORKSHOPS ATTENDED

: Green Practices for Sustainable TITLE

Development

DATE : 6 to 10 February, 2024 ATTENDED BY : Swati Joshi, Poonam Ojha

ORGANIZED BY : Department of Chemistry, SKIT, Jaipur

STTPs/SUMMER SCHOOLS/ REFRESHER COURSES ATTENDED

TITLE : Indian Perspective on Society, Polity and

Development

DATE : 22 to 26 January, 2024

ATTENDED BY : Archana Saxena ORGANISED BY : MNIT Jaipur

TITLE : STTP on IC Engine Testing and Simulation

(ICETS-2023)

DATE : 10 to 14 October, 2023 ATTENDED BY : Poonam Ojha, Swati Joshi

ORGANIZED BY : SKIT, Jaipur

DEPARTMENT OF PHYSICS

STUDENT WORKSHOP ON 'VIRTUAL PHYSICS LAB' ORGANIZED

A three- day student workshop on 'Virtual Physics Lab' was organized from 21 to 23 March, 2024. Mr. Pawan Kumar Jain and Mr. Rajiv Kumar introduced the students with the objectives and the philosophy of virtual lab developed by IfTs and other reputed institutions. They performed and demonstrated various experiments related to Interference and Diffraction Phenomenon on Virtual lab platform. The session was very interactive and all the participants learned a lot by performing the experiments themselves. About 350 students attended the workshop and got benefited from the experience of the speakers.



EXPERT LECTURE ON 'SIMPLE EXPERIMENTS AND DEEP LEARNING' ORGANIZED

An expert lecture on 'Simple Experiments and Deep Learning' was organized by the department in collaboration with the Indian



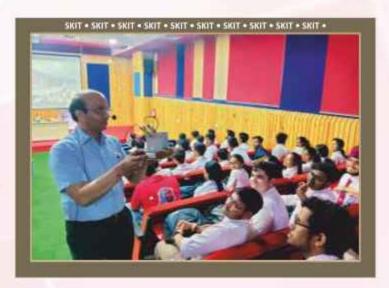
Association of Physics Teachers RC6 on March 27 March, 2024. A total of 163 students had the privilege of attending this lecture and gaining valuable insights from the esteemed speaker.

Prof. Y.K. Vijay, expert of the day discussed about the aims and objectives of the Indian Association of Physics Teachers and captivating the audience with his elucidation of fundamental 62/SKITTIMES/RIFES AIM - 57

concepts of Physics through simple experiments. Topics such as Vander wall Interaction, Bohr Model, Simple Harmonic Motion, Resonator, Alpha Decay, Atomic Interactions, and Plasma Generation at RF frequency were explained in an engaging manner using straight forward models and experiments.

WORKSHOP ON 'LEARNING PHYSICS THROUGH HANDS ON EXPERIMENT' ORGANIZED

A two-day student workshop on 'Learning Physics through Hands on Experiment' was organized from 27 to 28 March, 2024. Eminent speakers invited include Professor Y. K. Vijay, Director, CIST and IIS University, Jaipur; Dr. Vipin Kumar Jain, Head, Dept. of Physics, Chaudhary Banshi Lal University, Bhiwani; who explained to the participants about the usefulness of Rutherford Model, Bohr Model, Alpha Decay, Magnetic Oscillator etc. The workshop ended with a valedictory ceremony Mr. Pawan Kumar Jain and Dr. Ajay Sharma were the coordinators of the event. About 329 students attended the workshop and got benefited from the experience of the eminent speakers.



FDPs ATTENDED

TITLE : Research Methods and Data Analysis using

SPSS Software

DATE : 18 to 22 March, 2023

ATTENDED BY : Pawan Kumar Jain, Ajay Kumar Sharma ORGANIZED BY : Department of Management Studies,

SKITM&G, Jaipur

TITLE : Recent Developments in Nano electronics

Devices: Challenges and Opportunities

DATE : 16 to 21 December, 2023

ATTENDED BY : Rajiv Kumar, Pawan Kumar Jain, Ajay Kumar

Sharma, Komal Sharma, Manasvi Dixit,

Rishi Vyas

ORGANIZED BY : SKIT, Jaipur (ATAL Academy sponsored)

TITLE : E-learning content development

DATE : 21 to 25 January, 2024

ATTENDED BY : Rajiv Kumar, Pawan Kumar Jain, Ajay Kumar

Sharma, Komal Sharma, Manasvi Dixit,

Brajraj Sharma

ORGANIZED BY: Department of English, SKIT, Jaipur

: Tax Planning, Financial Planning & Filing of ITR TITLE

DATE : 21 to 25 February, 2024

ATTENDED BY : Rajiv Kumar, Pawan Kumar Jain, Ajay Kumar

Sharma, Komal Sharma, Manasvi Dixit,

Brajraj Sharma

ORGANIZED BY : Department of Management Studies,

SKIT, Jaipur

TITLE : Recent Advancement in sustainable

energy sources: Research & Development

DATE : 26 February to 1 March, 2024 ATTENDED BY : Manasvi Dixit, Komal Sharma

ORGANIZED BY: Department of Management Studies,

SKIT, Jaipur

TITLE : Advance Tools and Techniques for Research

Methodology

DATE : 26 February to 7 March, 2024

ATTENDED BY : Komal Sharma

ORGANIZED BY : Research Foundation of India & RFI-CARE

TITLE : UHV in Higher Education for Viksit Bharat

@2047

: 16 to 20 January, 2024 DATE ATTENDED BY : Ajay Kumar Sharma

ORGANIZED BY: UHV&EC and Department of Management

Studies, SKIT, Jaipur

TITLE : Roadmap for patent Creation

: Jan to March, 2024 Date

ATTENDED BY : Rishi Vyas

ORGANIZED BY : NPTEL SWAYAM

CONFERENCES ATTENDED

TITLE : International Conference on Environmental

Pollution Abatement & Disaster Management

2024

DATE : 28 to 30 March, 2024

ATTENDED BY : Ajay Kumar Sharma, Rajiv Kumar

ORGANIZED BY : Department of Chemistry, SKITM & G, Jaipur

FOCUS, DISCIPLINE, CONSISTENCY

NPTEL / mooKIT / IITBX / SWAYAM COURSES COMPLETED

COURSE/TOPIC : Renewable Energy Engineering:

Solar, Wind and Biomass Energy

Systems

COMPLETED BY : Manasvi Dixit

DURATION & CATEGORY: January to April, 2024 (12 - week).

Awarded Topper 5% and Elite

Certificate

COURSE/TOPIC : Atomic and Molecular Physics

COMPLETED BY : Rajiv Kumar

DURATION & CATEGORY: January to April, 2024 (12 - week).

Awarded Topper 5% and Gold

Certificate

PAPERS PRESENTED IN CONFERENCES

TITLE : Synthesis and Characterization of Nickel

Ferrite/ Cobalt Oxide/Graphene Composite for

supercapacitor Applications

AUTHOR/S : Rajiv Kumar

CONFERENCE : International Conference on Advancements in

Nano-electronics & Communication Technologies

(ICANCT2024), 16 to 17 February, 2024

WORKSHOPS ATTENDED

TITLE : e-workshop on New IPR2023 DATE : 11 to 16 December, 2024 ATTENDED BY : Manasvi Dixit, Komal Sharma

ORGANIZED BY: Innovative Technology Enabling Centre

(InTEC), CSIR IMMT, Bhubaneswar

TITLE : e-workshop on Patent SEA-2024

DATE : 22 to 27 January, 2024

ATTENDED BY : Rishi Vyas, Manasvi Dixit, Komal Sharma ORGANIZED BY: Innovative Technology Enabling Centre

(InTEC), CSIR IMMT, Bhubaneswar

NPTEL / mooKIT / IITBX / SWAYAM COURSES COMPLETED

COURSE/TOPIC Roadmap for Patent Creation

COMPLETED BY Rishi Vyas

DURATION & CATEGORY : January to March, 2024 (8 - week).

Awarded Topper 5% Certificate

DEPARTMENT OF ENGLISH

FDP ON E-LEARNING CONTENT DEVELOPMENT ORGANISED

A five-day Faculty Development Program was organized in virtual mode in collaboration with the Department of Management Studies from 21 to 25 January, 2024. The FDP aimed to generate awareness among the participants and encourage learning through such a platform. This program aimed to train the participants in understanding the various categorical challenges of developing and implementing e-content. The FDP also involved hands-on content development to make learning more interactive. Dr Anupriya Singh, Dr Geetika Patni, and Dr. Shipra Malik were the coordinators. Invited speakers and resource persons shared their expertise in e-content development. The FDP received a conducive response from the audience.



FDPs ATTENDED

TITLE : Inculcating Universal Human Values in

Technical Education

DATE : 11 to 15 March, 2024

ATTENDED BY : Nidhi Sharma

ORGANISED BY : AICTE

TITLE : Recent Trends in Literary Research

DATE : 25 to 30 September, 2023 ATTENDED BY : Sheeba Anjum, Neha Purohit

ORGANIZED BY: Holy Cross College, Tamil Nadu, India

TITLE : Children's Literature: Reading, Writing and

Publishing

DATE : 17 to 22 July, 2023

ATTENDED BY : Sheeba Anjum, Neha Purohit

ORGANIZED BY : NIT Trichy

TITLE : New Frontiers in Literary Research

DATE : 9 to 17 October, 2023

ATTENDED BY : Neha Purohit

ORGANIZED BY : Kristu Jayanti College, Bengaluru, India

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NPTEL / mooKIT / IITBX / SWAYAM COURSES COMPLETED

COURSE : Learning English in Hindi

COMPLETED BY : Sheeba Anjum

DURATION & CATEGORY : January to March, 2024 (8- week),

Gold with Topper 5%

COURSE : Learning English in Hindi

COMPLETED BY : Neha Purohit

DURATION & CATEGORY : January to March, 2024 (8 -week).

Gold with Topper 1%

COURSE : Soft Skill Development

COMPLETED BY : Kirti Bala

DURATION & CATEGORY : January to March, 2024 (8- week)

with Topper 5%

COURSE : Enhancing Soft Skills and

Personality

COMPLETED BY : Shipra Malik

DURATION & CATEGORY : February to April, 2024 (8- week).

Gold with Topper 1%

COURSE : Science of Happiness& Wellbeing

COMPLETED BY : Nidhi Sharma

DURATION & CATEGORY: January to March, 2024 (8-week),

Elite certificate

BOOKS PUBLISHED

TITLE : Human Values for Engineers

AUTHOR/S: Nidhi Sharma, Kirti Bala & Krishna Dayal Sharma

PUBLISHER: RBD Publishers, Jaipur

TITLE : Life Skills for Students: A Complete Capsule

AUTHORS : Dr. Krishna Sharma & Dr. Nidhi Sharm

PUBLISHER: Amazon Kindle Publishing, India (October, 2023)

PAPERS PRESENTED IN CONFERENCES

TITLE : An Unusual and Bizarre Fiction: A Reading of

J.M. Coetzee's The Childhood and The

Schooldays of Jesus

AUTHOR : Sheeba Anjum

CONFERENCE : International Conference on Mapping the

Marvelous: Mythopoeia, Multiverse & Fantasy

across Literature, Films, and Media;

TITLE: Womanhood to Dragonhood: Identity and

Fantasy in Ann Barnhill's When Women

were Dragons

AUTHOR : Neha Purohit

CONFERENCE : International Conference on Mapping the

Marvelous: Mythopoeia, Multiverse & Fantasy across Literature, Films, and Media; University of Rajasthan, 19 to 21 December, 2023

TITLE : Leveraging Technology for Language Learning:

Harnessing Online resources and social media

platforms

AUTHOR : Geetika Patni

CONFERENCE : International Conference on Literature,

Languages and Linguistics Studies; Research Culture Society, 19 to 21 December, 2023

BOOK EDITED

TITLE : Traversing the Boundaries: Critical Essays on

Modern Short Fiction

EDITORS : Dr. Nidhi Sharma & Dr. Preeti Bhatt

PUBLISHER: Amazon Kindle Publishing, India (August, 2023)

PAPERS PRESENTED IN CONFERENCES

TITLE : Revisiting 'Gandhi Bapu': The Enduring Relevance

of Truth & Non-Violence for a Peaceful Nation in

Contemporary Times

AUTHOR : Nidhi Sharma

CONFERENCE: National Conference on Mahatma Gandhi: Non-

Violence and Peace, 2 October, 2023, Central

University of Gujarat

FACULTY ACHIEVEMENT

 Dr. Neha Purohit has been appointed as the examiner of the OET (Occupational English Test). OET is owned by Cambridge Boxhill Language Assessment Trust (CBLA). It is a venture between Cambridge English and Box Hill Institute.





DEPARTMENTS OF COMPUTER SCIENCE ENGINEERING & INFORMATION TECHNOLOGY

PAPERS PUBLISHED IN JOURNAL

TITLE : Improved Swarm Optimization and Path Planning

Intelligent Robot

AUTHOR/S : Adlin Sheeba, Bopanna K. D., Sunil Dhankhar,

Mohit Tiwari, Balaji S. R.

JOURNAL ; Journal of Harbin Engineering University

TITLE : Global Policies and Regulatory Frameworks for AI

in Higher Education

AUTHOR/S : Mehul Mahrishi

JOURNAL : ACM Digital Government: Research and Practice

TITLE : Arduino based Integrated Connectivity Helmet

AUTHOR/S : Ajay Bhardwaj, Parth Chahar, Priyanshu Rawat,

Rahul Kumawat, Rajat Choudhary,

Priyanka Sharma

JOURNAL : SKIT Research Journal

TITLE : An Intensive Approach to Reduce Range Anxiety

of Electric Vehicle by Calibrating Weight Factor

AUTHOR/S : Authors: Rishi Sharma, Ajay Bhardwaj, Ranjan

Kumar Tiwari, Parth Singh Deval, Raj Kumar Sain,

Priyanka Sharma

JOURNAL : SKIT Research Journal

TITLE : Web Analytics for Conversion Rate Optimization:

Analyzing User Behavior to Improve Website

Performance

AUTHOR/S : Mahender Kumar Beniwal, Dr. Sunil Dhankhar,

Dr. Anjana Sangwan

JOURNAL : SKIT Research Journal

TITLE : Efficient Usage of Energy Infrastructure in Smart

City Using Machine Learning

AUTHOR/S : Rajesh Rajaan

JOURNAL : EAI Endorsed Transactions on on Internet of

Things

TITLE : Weight based Approach for Virtual Machine

Migration in Cloud Architecture

AUTHOR/S : Rajesh Rajaan

JOURNAL : International Journal of Advanced Engineering

Research and Science

TITLE	-	A Comprehensive Review and Comparison of Image Super resolution Techniques	JOURNAL	**	Journal of Discrete Mathematical Sciences and Cryptography
JOURNAL	10	Rajesh Rajaan International Journal of Advanced Engineering, Management and Science	TITLE	Į.	Secure Multi-party Computation in Deep Learning: Enhancing Privacy in Distributed Neural Networks
TITLE	à.	Cognitive Equilibrium and Instability: Lyapunov	AUTHOR/S	-	Sagar, P. Vidya , Ghanimi, Hayder M. A., Prabhu, L. Arokia Jesu, Raja, L., Dadheech, Pankaj &
AUTHOR/S	27	Stability Analysis in Mental Health Research Vivek Kumar Verma, Bhavna Saini, Tarun Jain, Pankaj Dadheech	JOURNAL	Æ	Sengan, Sudhakar Journal of Discrete Mathematical Sciences and Cryptography
JOURNAL	*	Journal of Interdisciplinary Mathematics	TITLE		Chebyshev Polynomial Approximation in CNN for
TITLE	\$17	Utilizing Stochastic Differential Equations and Random Forest for Precision Forecasting in Stock	AUTHOR/S	Į.	Zero-knowledge Encrypted Data Analysis Ghanimi, Hayder M. A., Gopalakrishnan, T., Deol, G. Joel Sunny, Amarendra, K., Dadheech, Pankaj &
AUTHOR/S	5	Market Dynamics P. Vidya Sagar, M. Rajyalaxmi, A.V.V.S. Subbalakshmi, Sudhakar Sengan, Ravi Kumar	JOURNAL	***	Sengan, Sudhakar Journal of Discrete Mathematical Sciences and
JOURNAL	*	Bommisetti, Pankaj Dadheech Journal of Interdisciplinary Mathematics	TITLE		Cryptography Enhanced Sequity in Endagged Leaving by
TITLE	13	Advancing Viscoelastic Material Modeling: Tackling Time-dependent Behavior with	TITLE	20	Enhanced Security in Federated Learning by Integrating Homomorphic Encryption for Privacy protected, Collaborative Model Training
AUTHOR/S		Fractional Calculus Shaymaa Hussein Nowfal, Ganga Rama Koteswara	AUTHOR/S	*	Rao, Ganga Rama Koteswara, Ghanimi, Hayder M. A., Ramachandran, V., Al-Qahtani, Dokhyl,
		Rao, V. Velmurugan, Sudhakar Sengan, Ravi Kumar Bommisetti, Pankaj Dadheech	JOURNAL	-	Dadheech, Pankaj & Sengan, Sudhakar Journal of Discrete Mathematical Sciences and Cryptography
JOURNAL	#	Journal of Interdisciplinary Mathematics	TITLE	7-1	Exploring Elliptic Geometry in Neural Networks:
TITLE	2.5	Modular Metric Spaces: Some Fixed-point Theorems and Application of Secure Dynamic	AUTHOR/S	2	The Concept of Elliptic Neural Networks (ENN) Verma, Vivek Kumar, Saini, Bhavna, Yadav, Anju &
AUTHOR/S	*	Routing for WSN Swapna Siddamsetti, Hussein Z. Almngoshi, K. Dinesh, G. C. Prashant, M. Anto Bennet, Pankaj	JOURNAL	-	Dadheech, Pankaj Journal of Discrete Mathematical Sciences and Cryptography
JOURNAL	*11	Dadheech, Sudhakar Sengan Journal of Interdisciplinary Mathematics	TITLE	+1	Entropic Uncertainty in Quantum-state
TITLE	¥)	Mathematical Exploration of Consciousness	11114	**	Cryptography: A Mathematical Framework for Quantum-resilient Encryption
		through Topological Data Analysis for Decoding Neurobiological States	AUTHOR/S	I.	Verma, Vivek Kumar, Saini, Bhavna, Jain, Tarun & Dadheech, Pankaj
AUTHOR/S JOURNAL	100	Tarun Jain, Ashish Kumar, Vivek Kumar Verma, Pankaj Dadheech, Sanwta Ram Dogiwal Journal of Interdisciplinary Mathematics	JOURNAL		Journal of Discrete Mathematical Sciences and Cryptography
TITLE	***	Feature Selection-based Machine Learning	TITLE	16	Quantum Graph Theoretic Encryption and Dynamic Key Evolution in Secure Quantum
		Comparative Analysis for Predicting Breast Cancer	AUTHOR/S	*	Communication Networks Verma, Vivek Kumar, Saini, Bhavna, Jain, Tarun &
AUTHOR/S	100	Rajpoot, C. S., Sharma, G., Gupta, P., Dadheech, P., Yahya, U., & Aneja, N. Applied Artificial Intelligence	JOURNAL	E	Dadheech, Pankaj Journal of Discrete Mathematical Sciences and
TITLE	***				Cryptography
		Merkle-Damgård Hash Functions and Blockchains: Securing electronic health records Chapital Hands M.A. Meleccia Reliant Republications	TITLE	- 80	The Fusion of Quantum Chaos and Nonlinear Dynamics in Securing Image Encryption
AUTHOR/S	新	Ghanimi, Hayder M. A., Melgarejo-Bolivar, Romel P., Tumi-Figueroa, Alfredo, Ray, Samrat, Dadheech, Pankaj & Sengan, Sudhakar	AUTHOR/S	I.	Verma, Vivek Kumar, Varma, Mudunuri Venkata Chaitanya, Jala, Arjun, Gupta, Rohit Kumar & Dadheech, Pankaj
		est Control (Control Control C			

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JOURNAL	: Journal of Discrete Mathematical Sciences and Cryptography	AUTHOR/S	 Hussein Z. Almngoshi, M. Vedaraj, V. P. Sriram, M Davidson Kamala Dhas, V. Arunraj, Sudhakar Sengan, Pankaj Dadheech
TITLE	: Quantitative Fusion of NLP, fMRI, and EEG data: A Mathematical Model for Decoding Semantic	JOURNAL	: Journal of Autonomous Intelligence
AUTHOR/S	Processing in the Brain : Verma, Vivek Kumar, Varma, Gottumukkala K. Chaitanya, Varma, Ch. Karthikeya, Shrotriya, Anita	TITLE	: An Open-source MP + CNN + BiLSTM model based Hybrid Model for Recognizing Sign Language on Smartphones
JOURNAL	& Dadheech, Pankaj : Journal of Interdisciplinary Mathematics	AUTHOR/S	: Hayder M. A. Ghanimi, Sudhakar Sengan, Vijaya Bhaskar Sadu, Parvinder Kaur, Manju Kaushik, Roobaea Alroobaea, Abdullah M. Baqasah, Majeo
TITLE	: Linear Discriminant Analysis-based Deep Learning Algorithms for Numerical Character Handwriting Recognition	JOURNAL	Alsafyani, Pankaj Dadheech International Journal of System Assurance Engineering and Management
AUTHOR/S	: Hayder M. A. Ghanimi, N. Alagusundari, Jainabbi Banda, Sudhakar Sengan, J. Somasekar, J.	TITLE	: Differentially Processed Optimized Collaborative
JOURNAL	Thomas, Pankaj Dadheech : Journal of Autonomous Intelligence	AUTHOR/S	Rich Text Editor : Nishtha Jatana, Mansehej Singh, Charu Gupta, Geetika Dhand, Shaily Malik, Pankaj Dadheech,
TITLE	: Security and Privacy Concerns in Social Networks Mathematically Modified Metaheuristic-based	JOURNAL	Nagender Aneja, Sandhya Aneja : Multimedia Tools and Applications
AUTHOR/S	Approach : Raguru Jaya Krishna, T. Gopalakrishnan, M. Divyapushpalakshmi, K. Amarendra, Pankaj	TITLE	: Modern-age Agriculture with Artificial Intelligence A Review emphasizing Crop Yield Prediction
JOURNAL	Dadheech & Sudhakar Sengan : Journal of Discrete Mathematical Sciences and Cryptography	JOURNAL	 Priyanka Sharma, Pankaj Dadheech, Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, (Scopus Indeexed, Q2)
TITLE	: Enhanced Route Navigation Control System for Turtlebot using Human-assisted Mobility and 3-D SLAM Optimization	TITLE	: Analysis of COVID-19 Datasets using Statistical Modelling and Machine Learning Techniques to Predict the Disease
AUTHOR/S	; Ankit Kumar, Kamred Udham Singh, Pankaj Dadheech, Aditi Sharma, Ahmed I. Alutaibi, Ahed Abugabah, Arwa Mohsen Alawajy	AUTHOR/S	 Senthil Kumar Nramban Kannan, Bhanu Prakash Kolla, Sudhakar Sengan, Rajendiran Muthusamy, Raja Manikandan Kanubhai K. Patel,
JOURNAL	: HELIYON	JOURNAL	Pankaj Dadheech SN Computer Science (Scopus Indexed, Q2)
TITLE	: An Implementation of CNN+NLP for Evaluating and Impacting Social Media Advertising	TITLE	: Enhancing Video Anomaly Detection Using
AUTHOR/S	; Karrar S. Mohsin, P. G. Suraj, V.P. Sriram, Minu Susan Jacob, M. Anto Bennet, Sudhakar Sengan,		Spatio-Temporal Autoencoders and Convolutiona LSTM Networks
JOURNAL	Pankaj Dadheech : Journal of Autonomous Intelligence	AUTHOR/S	 Ghayth Almahadin, Maheswari Subburaj, Mohammad Hiari, Saranya Sathasivam Singaram, Bhanu Prakash Kolla, Pankaj Dadheech,
TITLE	: Deep Learning Techniques for Predicting the Customer Lifetime Value to Improve Customer Relationship Management	JOURNAL	Amol D. Vibhute, Sudhakar Sengan : SN Computer Science (Scopus Indexed, Q2)
AUTHOR/S	: Nabeel S. Alsharafa, P. Madhubala, Sree Lakshmi Moorthygari, K. N. Rajapraveen, B.R. Kumar, Sudhakar Sengan, Pankaj Dadheech	TITLE	: Overcoming Occlusion Challenges in Human Motion Detection through Advanced Deep Learning Techniques
JOURNAL	: Journal of Autonomous Intelligence	AUTHOR/S	: Jeba Nega Cheltha, Chirag Sharma, Pankaj Dadheech, Dinesh Goyal
TITLE	: Machine Learning based Weight Optimized Genetic Algorithm for Digital Video Watermarking Technique	JOURNAL	: International Journal of Intelligent Systems and Applications in Engineering (IJISAE), (Scopus Indexed, Q4).

TITLE : Cognitive Equilibrium and Instability: Lyapunov Stability Analysis in Mental Health Research AUTHOR/S : Verma, Vivek Kumar, Saini, Bhavna, Jain, Tarun & Dadheech, Pankai JOURNAL : Journal of Interdisciplinary Mathematics (JIM), (Scopus Indexed, Q3). TITLE : Utilizing Stochastic Differential Equations and Random Forest for Precision Forecasting in Stock Market Dynamics AUTHOR/S : Sagar, P. Vidya, Rajyalaxmi, M., Subbalakshmi, A.V.V.S., Sengan, Sudhakar, Bommisetti, Ravi Kumar & Dadheech, Pankai JOURNAL : Journal of Interdisciplinary Mathematics (JIM), (Scopus Indexed, Q3). TITLE : Advancing Viscoelastic Material Modeling: Tackling Time-dependent Behavior with Fractional Calculus AUTHOR/S : Nowfal, Shaymaa Hussein, Rao, Ganga Rama Bommisetti, Ravi Kumar & Dadheech, Pankaj

Koteswara, Velmurugan, V., Sengan, Sudhakar, JOURNAL : Journal of Interdisciplinary Mathematics (JIM), (Scopus Indexed, Q3).

TITLE : Modular Metric Spaces: Some Fixed Point Theorems and Application of Secure Dynamic Routing for WSN

AUTHOR/S : Siddamsetti, Swapna, Almngoshi, Hussein Z., Dinesh, K., Prashant, G. C., Bennet, M. Anto, Dadheech, Pankaj & Sengan, Sudhakar

JOURNAL : Journal of Interdisciplinary Mathematics (JIM), (Scopus Indexed, Q3).

TITLE : Mathematical Exploration Of Consciousness through Topological Data Analysis for Decoding Neurobiological States

AUTHOR/S : Jain, Tarun, Kumar, Ashish, Verma, Vivek Kumar, Dadheech, Pankaj & Dogiwal, Sanwta Ram JOURNAL : Journal of Interdisciplinary Mathematics (JIM),

(Scopus Indexed, Q3).

TITLE : Predicting Agriculture Yields based on Machine Learning using Regression and Deep Learning

AUTHOR/S : Priyanka Sharma, Pankaj Dadheech, Nagender

Aneja, Sandhya Aneja

JOURNAL : IEEE Access, Volume 11, pp. 111255-111264,

2023, Print ISSN: 2169-3536, Online ISSN: 2169 3536, Impact Factor: 3.476, doi:

https://doi.org/10.1109/ACCESS.2023.3321861.

(SCIE Indexed, Q1)

TITLE : Breast Cancer Prediction using Supervised Machine Learning Techniques

AUTHOR/S : Dadheech, P., Kalmani, V.H., Dogiwal, S.R., Sharma,

V.K., Kumar, A., & Pandey, S.K.

JOURNAL : Journal of Information and Optimization

> Sciences, Vol. 44, Issue 3, pp. 383-392, Print ISSN: 0252-2667, Online ISSN: 2169-0103, DOI: https://doi.org/10.47974/JIOS-1348, Impact Factor: 0.01, Taylor & Francis Group, TARU Publications (ABDC & ESCI-WoS Indexed)

TITLE Techniques and Challenges of the Machine Learning Method for Land Use/Land Cover (LU/LC) Classification in Remote Sensing using the Google Earth Engine

AUTHOR/S Amita Jangid, Mukesh Kumar Gupta, Vishal

JOURNAL International Journal on Recent and Innovation

> Trends in Computing and Communication (IJRITCC), Volume 11, No. 7, pp. 85-92, 2023, Online ISSN: 2321-8169, Impact Factor: 1.376, doi: https://doi.org/10.17762/ijritcc.v11i7.7833.

(Scopus Indexed, Q4)

TITLE : Sentiment Analysis of Social Media Text Data

using Machine Learning - A Review

AUTHOR/S Kajal Mathur, Paresh Jain, Sunita Gupta,

Puneet Mathur

JOURNAL : SGVU International Journal of Convergence of

Technology and Management, E-ISSN: 2455

7528, Vol.9 Issue 1 Page No 106-115



DEPARTMENT OF MECHANICAL ENGINEERING

TITLE : Optimization of physico-mechanical and erosive wear properties of single/multilayer-coated

granite-filled aluminum alloy composites.

AUTHOR/S Vikash Gautam

International Journal of Materials Research, Vol. JOURNAL

115; Issue 5; (2024) pp. 1-9.

TITLE : Cost-Effective Design of Exhaust Waste Heat

Recovery System: A Numerical and Optimization

Approach.

AUTHOR/S : Mukesh Rathore, Manoj Kumar Sain,

Prayeen Saraswat, Dinesh Kumar Sharma

JOURNAL		SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 50-53.	TITLE	8	Finite Element Analysis of Camshaft Performance in Internal Combustion Engines.
TITLE	2	Revolution in the Manufacturing Industry through Virtual Reality (VR) and the Industrial Internet of	AUTHOR/S	÷	Prem Singh, Sudesh Garg, Chandan Kumar, Chandra Mohan Kumar, Trivendra Kumar Sharma, Amit Kumar Bansal
ALTHOR/S	10	Things (IIoT).	JOURNAL	3	SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 96-99.
AUTHOR/S	9)	Sudesh Garg, Prem Singh, Madhukar Kumar, Chandra Mohan Kumar, Amit Kumar Bansal			30-33.
JOURNAL	22	SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 54-58.	TITLE	£	Ergonomic Risk Factors Involved in the Domain of Hairdressers Working in India: A Case Study of North India.
TITLE	1	Machine Learning (ML) and Artificial Intelligence (Al): The Engines of Smart, Versatile, and	AUTHOR/S	3	Yogesh Sharma, Vishnu Jangid, Vinay Singh Marwal, Sanjay Bairwa
AUTHOR/S	100	Sustainable Manufacturing. Sudesh Garg, Achin Srivastav, Vinay Singh	JOURNAL	2)	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET),
JOURNAL	35	Marwal, Trivendra Sharma, Monu Gupta SKIT Research Journal, Vol. 14; Issue 1; (2024) pp.			Vol. 13; Issue 4; (2024) pp. 5414-5418.
		59-63.	TITLE		Mechanical Properties of Dental Resin Composites: A Review.
TITLE	ī	A Comprehensive Review on Part Programming Languages in CNC Machining.	AUTHOR/S	f	Namita Soni, Sanjay Bairwa, Sumita, Nitin Goyal, Sanjay Choudhary, Monu Gupta, Monika Khurana
AUTHOR/S	Ť	Sunit Kumar, Manoj Kumar, Mohammed Suhaib, Nikhil Sharma, Trivendra Sharma, Sanjay Choudhary	JOURNAL		International Journal of Research Publication and Reviews, Vol 5, no 4, pp 7675-7683 April 2024.
JOURNAL	2	SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 64-68.	TITLE	1	Sustainable Success: The Integration of Management Principles and Environmental Responsibility.
TITLE	*	Assessment of Greenhouse Emission of a Typical	AUTHOR/S	3	Madhukar Kumar
AUTHOR/S	20	PV Power Station.	JOURNAL	1	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 13, Issue 3, pp. 3043-,3051, March 2024
JOURNAL		SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 69-72.	TITLE	9.	Experimental Investigation of Surface Roughness and MRR in Rotary-Ultrasonic Machining of Float
TITLE		Real Time Cutting Tool Temperature Monitoring in	ALTHOR/C		Glass
		Lathe Turning of AISI 1018 Steel using IoT applications with Arduino.	AUTHOR/S	*	Praveen Saraswat, Dheeraj Joshi, Manoj Kumar Sain, Sandeep Kumar Bhaskar
AUTHOR/S JOURNAL	2450345	Vinay Singh Marwal, Sudesh Garg, Vishnu Jangid SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 73-78.	JOURNAL	1	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10;(2023) pp. 2675-2682.
TITLE	1	Review: Aramid Fiber Reinforced Epoxy Composites - Surface & Interface Modifications.	TITLE	÷	Experimental Investigation of Float Glass in Rotary Ultrasonic Machining for Sustainable
AUTHOR/S	à	. [2014년 1월 1일 전 1	AUTHOR/S	÷	Manufacturing Praveen Saraswat, Naveen Kumar Sain, Dheeraj Joshi, Sandeep Kumar Bhaskar
JOURNAL	1	SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 79-87.	JOURNAL	÷	EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10; (2023) pp. 2520-2527
TITLE	20	A Review of Policies implications of electric vehicles in India.	Constant Cont.		
AUTHOR/S	100	Amit Kumar Bansal, Chandra Mohan Kumar, Sudesh Garg, Sunil Kumar, Madhukar Kumar,	TITLE		Process Improvement using Six Sigma DMAIC in the Bearing Component Manufacturing Industry: A Case Study.
JOURNAL	27	Prem Singh. SKIT Research Journal, Vol. 14; Issue 1; (2024) pp. 88-95.	AUTHOR/S	10	Sandeep Kumar Bhaskar, Manoj Kumar Sain, Manu Augustine, Praveen Saraswat, Brij Mohan Sharma
		2550020			

JOURNAL	**	International Journal of Industrial and Systems Engineering, Vol. 45;(2023) pp. 271-290.	AUTHOR/S	8	Devesh Tiwadi, Brij Mohan Sharma, Praveen Saraswat, Sandeep Kumar Bhaskar
			JOURNAL	1	EVERGREEN Joint Journal of Novel Carbon
TITLE	33	Impact of Filler on Mechanical and Dynamic			Resource Sciences & Green Asia Strategy,
		Mechanical Properties of Waste Marble Dust			(2023), Vol. 10 pp. 2564-2569.
		Filled Aramid Fibre Reinforced Polymer Composites			Window Committee Control Control
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AUTHOR/S		Achin Srivastav, Deepak Kumar, Prem Singh, Nidhi Srivastav	JOURNAL	2	SKIT Research Journal, (2023), Vol. 13 pp.78-82.
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		of Wire Coil Insert in Tubes			Composites: Unveiling Microstructural
AUTHOR/S	1	Praveen Saraswat, Pardeep Kumar, Manoj			Transformations and Enhancing Mechanical
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TITLE : Design of Microstrip Antenna Phased Array with

Dual Beam at 5G Frequency with Large

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JOURNAL : Journal of Tianjin University Science and

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TITLE : Review on Exploring Innovative Applications for

Online Learning

AUTHOR/S : Shubhi Jain, Priyanka Jain

JOURNAL : Journal of Scientific Research in Engineering and

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TITLE : An Assessment on the State of Art of Internet of

Things (loT)

AUTHOR/S : Dinesh Kumar, Lalit Kumar Lata

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TITLE : A Patch Antenna at 2.4 GHz Frequency for

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AUTHOR/S : Uma Rathore, Jyoti Yadav, Mukesh Arora, Harshal

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DEPARTMENT OF ELECTRICAL ENGINEERING

TITLE : Robust Multi-Machine Power System

Stabilizer Design using Bio-Inspired Optimization Techniques and their

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AUTHOR/S : D. Chitara, Prateek K. Singhal, S. L. Surana,

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TITLE : Gender Disparities: A Call for Equality and

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AUTHOR/S : Ona Ladiwal

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TITLE : A study on customer relationship management in

banking sector

AUTHOR/S : Ajay Verma, Atul Gupta, Tarun Sharma

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Journey of the Human Soul from Material to the

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AUTHOR : Anupriya Singh, Shipra Malik

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TITLE: Trauma and Transnationalism in J.M. Coetzee's

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AUTHOR : Sheeba Anjum

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Exploring Multicultural Identity Crisis in the

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AUTHOR : Nidhi Sharma

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AUTHOR/S : Amber Srivastava

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AUTHOR/S : Surbhi Sharma, Amit Dadheech

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AUTHOR/S : Deepika Jain

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TITLE	8	Laplacian Atom Search Optimization Algorithm:	AUTHOR/S	83	Sumit Gupta, Chandra Prakash Jain	
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AUTHOR/S	÷	Shalini Shekhawat	TITLE	10	Numerical Simulation for MHD Flow of Powell\	
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AUTHOR/S	20	Vivek Vijay	JOURNAL	ŧ	International Journal for Computational Methods	
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		Research	JOURNAL		International Journal of Modeling, Simulation, and Scientific Computing	
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		with Dependent Demand Rate under Trade Credit	TITLE	13	MHD Micro Polar Fluid Flow over a Stretching	
AUTHOR/S		Vivek Vijay	100000000000000000000000000000000000000		Surface with Melting and Slip Effect	
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TITLE : Anaerobic Codigestion of food waste for

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AUTHOR/S : Poonam Ojha, Sharda Soni, Archana Saxena,

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TITLE : Numerical Simulation for MHD Flow of

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AUTHOR/S : Pawan Kumar Jain

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AUTHOR/S : Pawan Kumar Jain

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TITLE : Fabrication of Ternary Composite

ZnFe2O4/Co3O4/G for High Performance

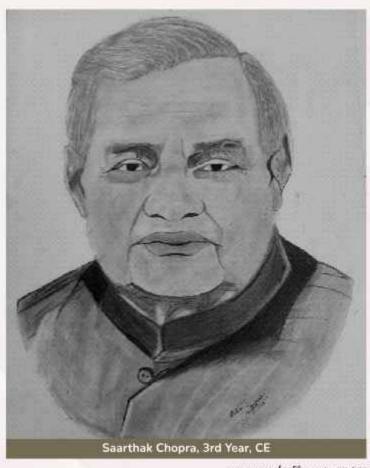
Supercapacitor

AUTHOR/S : Rajiv Kumar

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(August2023)





TEARS

Janny was driving madly, rushing and steering across the vast sea of traffic to somehow make it on time. And finally, she exhaled a long breath as she pulled over her car into the main parking lot of the theatre. "Elina, I hope we will not miss his performance". " No dear, we won't... don't worry...we are just fifteen minutes late. And annual day functions usually start late". Both the sisters finally entered into the dimly lit auditorium, with a brightly lit stage, with a projected semi-circular façade occupied with bright yellow, red and orange color little flowers and trees dancing on the tunes of nursery rhymes being played in a medley, with the images of colourful flowers, projected on the white screen in the background. Standing on the stage, wearing colourful costumes of flowers, were standing sweet, little angels with baffled looks and roving eyes, trying to peep into the intended darkness of the auditorium, trying to filter out the faces of their parents and loved ones. During this countenance hunting session, they were trying their best to maneuver their dance moves to match up with the music without missing a single beat.

"Wow...sooo cute the event has started...come Elina let's grab those seats over there as we can get a full and clear view of the stage from there.... Carefully!!...Just watch your steps...... follow me."

After occupying the seat...Jenny noticed the excitement and extended smiles on the faces of the audience sitting next to her. Their gazes were glued to the stage, without blinking an eye, holding cameras upright with sheer elation wanting to capture every single moment of their child's performance on the stage . Immediately after the completion of this performance, there was an announcement regarding the upcoming next performance by the students of class I-C.

"Thank God we haven't missed Oliver's performance. His class performance is coming up next."

"See I told you not to worry we will not miss the performance. But you always get so impetuous Jenny"

As the curtain gets pulled over another time- Jenny sees her six years old son Oliver making a musical entry on the stage with his fellow classmates. All of them wearing a uniform dress code- red trousers, white shirts and black shoes, dancing on the famous track...It's a beautiful life......

"Oh... he is looking so cute......"

"Where is he Jenny? I am not able to see him as all of them are dressed alike with their faces looking unfamiliar being covered with bright make-up"

"Oh! Elina look over there...Oliver is standing over there the third from the left..."

"Oh yes!! I found him ...O my God! he is looking so cute. Don't you think he resembles his father a lot."

"Ya! he does...but hey! Leave everything for now. Let's watch his performance otherwise we will miss it."

"Jenny give me the camera I will handle it ..don't worry... you just enjoy Oliver's performance."

"Oh! Wow.... thanks a lot dear...It's so nice of you."

As Jenny was watching Oliver's performance, her heart was overwhelmed with a special kind of feeling which she never experienced before. She could feel her throat becoming completely chocked, with her heart pounding in her bosom and her vision getting blurred due to unstoppable tears rolling down her cheeks as drops of happiness and pride. She felt an intense surge of various emotions at the same time. She could not believe that

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her child whom she looked after day and night has finally grown up into someone mature enough to perform on the stage without her help. She felt herself lucky and proud for being a mother whose hard work has finally come into fruition. She thanks God for having blessed her with such a priceless possession.

"Jenny! Are you alright??...I can understand dear that it's truly an amazing feeling when you see your child performing for the first time in front of your eyes. It's a proud moment....see how well he is performing!"

"Hmm... you are right. I have never felt like this before... Elina."

Finally, after a couple of more performances, the annual function culminated with an announcement regarding the dispersal of the kids to their guardians, with a request to receive their children backstage.

"Elina! You wait here ... I am going backstage to bring Oliver."

"Ok.. dear... I will wait here only."

Jenny goes backstage and finds Oliver standing, with an Identity-card hanging around his neck, with a soft teddy bag, hung on his shoulders. Suddenly, as he happened to notice his mother, he shouted at the top of his lungs-

"Hey Mom! I am here..."

Jenny takes him in her lap and kisses on his forehead and gives him a tight hug. She says-

"Baby you performed amazing today and you know what! Mumma is really happy and so it calls for a treat!! What do you say?"

"Really Mumma! but ...I was trying to look around for you but I could not find you anywhere....where were you sitting?"

"Come on baby... I will show you. Look over there! can you see your Aunt Elina in yellow dress? See... she is waving at you. Let's go and say hello to her."

"Ok..... so you came with Aunt Elina."

"Ya"

"Hello aunt!"

"Hey buddy.. well done...you know what...you were the best. I captured your performance in this camera."

"But we will watch it later."

"You know aunt.. Mumma just promised to take me out for a treat because I performed good."

"Oh really! It's great"

"Can I also come along?"

"Yes...Aunt Elina ...It will be more fun!...Come on Mumma let's go now!"

"Oh yes...come! let's go to parking."

On their way to the parking lot, Jenny saw Parents holding the hands of their children, chit-chatting, laughing, sharing talks and having fun. Suddenly, she recalled her past when she used to visit this place with her husband Philip and young Oliver. Both Philips and Jenny used to sit together for long hours, chatting and enjoying hot snacks and coffee and watching young Oliver screaming, shouting and running all over the place like a supersonic jet. But suddenly, Jenny realizes that life is strangely unpredictable and harsh. It took her almost three years to recover from the tragic incident, which shook both Jenny's and Oliver's life together. However, she decides to never give up and to fight back her depression and disturbed mental condition and to regain her lost confidence back. She faces a lot of challenges to finally stand on her feet in order to ensure a secure and stable future for her son. Suddenly her thoughts were interrupted by Oliver's scream-

"Mumma....I want Ice cream"

"Ok dear...wait, let me park the car on the side."

"Elina, would you mind accompanying... Oliver!"

"Oh not at all ...would love to go with him...hey buddy!! wait for me..."

Being alone in the car for a short while, Jenny returns back to her thoughts and speaks out her mind: How unpredictable life is!. ...but everyone has to fight his or her challenges and there can be no running and escape from hardships.....It depends on you whether you scream out of fear or accept the life with thrill and enjoyment on this roller coaster ride of life..."

She remembers her late husband David and then she wipes her tears as she looks out of the window and sees Oliver customizing his Ice cream by giving detailed instructions to the man standing behind the counter. Then he suddenly turns his face towards Jenny, with a smile and enthusiasm....Jenny also smiles back.

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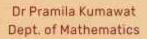


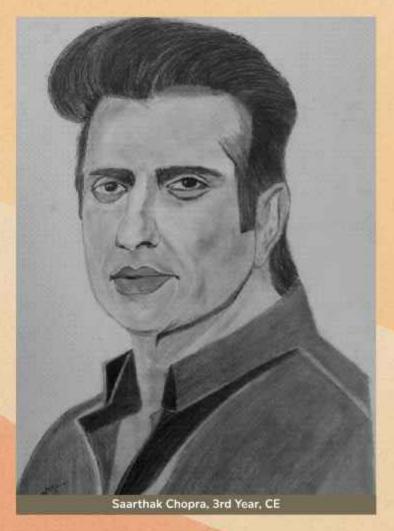


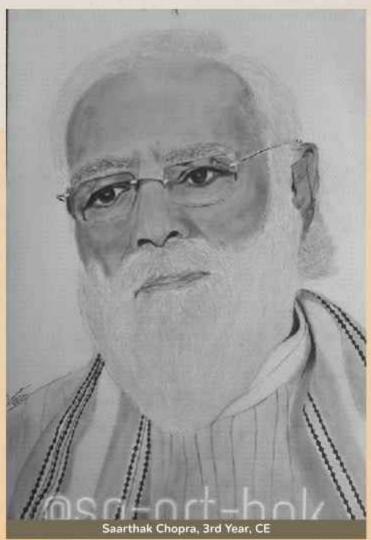


सृज्ब

जिसका अनुभव जैसा, दुनिया का रंग लागे वैसा, गर्मी लेने दूर देश से पंछी आते, हमें सताता जाड़ा। पूरव देखे, आता सुरज, पश्चिम देखे, जाता सुरज, जन्मदिवस का जल्न मनाता बालक, तो रोता बूढ़ा बाबा। पंचांग देशा शुम धरी कोई बताता, पर बीर सदा मुस्काता, बेटी विदा कर कोई होता चाली और कोई बेटी संग बेटा पाता, रीते हाथ दुर्भाग्य किसी का, बन जाता बरदान किसी का, कमी शिखर का स्वाद चलाती बुद्धि, कमी मझधार दूबाती, अजब गजब है खेल वे सारे, पर खेली ती साथी। सब तो ये है, जो खेल गया, बडी पार गया, जो बच के भागा, वो बंदी होकर रह गया।









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