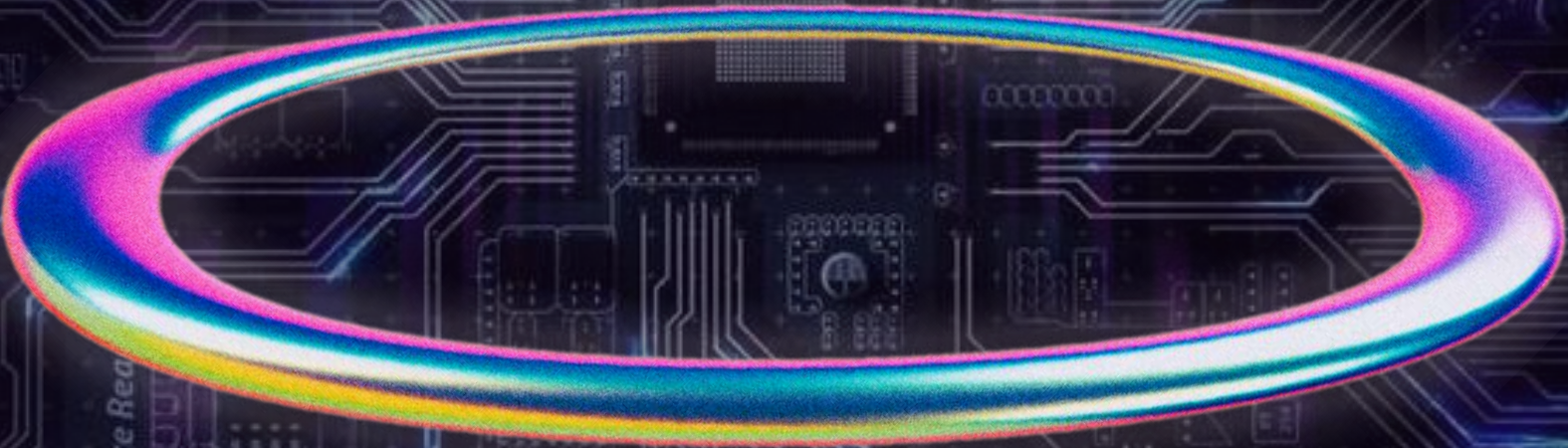




MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Government Aided UGC Autonomous Institute Affiliated to R.G.P.V. Bhopal)
NAAC Accredited With A++ Grade

ELECTRIKA



**ELECTRICAL
ENGINEERING DEPARTMENT
ANNUAL MAGAZINE 2022 -2023**

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ABOUT INSTITUTE & DEPARTMENT

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE (MITS) IN GWALIOR WAS FOUNDED IN 1957 BY MAHARAJA JIWAJI RAO SCINDIA AND IS AFFILIATED WITH R.G.P.V., BHOPAL, WITH ACADEMIC AUTONOMY SINCE 2002. IT WAS GRANTED AUTONOMY BY UGC IN 2017 AND IS ACCREDITED BY NAAC. THE INSTITUTE EXCELLED IN THE TEQIP-PHASE II PROGRAM.

THE DEPARTMENT OF ELECTRICAL ENGINEERING AT MITS, ESTABLISHED IN 1957, OFFERS UNDERGRADUATE, POSTGRADUATE, AND DOCTORAL PROGRAMS. THEY HAVE A B.TECH. PROGRAM FOR 120 STUDENTS, AN M.E. PROGRAM IN "INDUSTRIAL SYSTEMS & DRIVES" FOR 25 STUDENTS, AND A NEW B.TECH. PROGRAM IN "INTERNET OF THINGS" FOR 60 STUDENTS. KEY AREAS OF FOCUS INCLUDE POWER SYSTEMS, POWER ELECTRONICS, CONTROL SYSTEMS, AND BIOMEDICAL INSTRUMENTATION.

THE DEPARTMENT PROMOTES RESEARCH THROUGH M.E. AND PH.D. PROGRAMS AND PROVIDES STATE-OF-THE-ART LABORATORIES FOR PRACTICAL EXPERIENCE AND RESEARCH INITIATIVES. THEIR MISSION IS TO PREPARE STUDENTS FOR VARIOUS INDUSTRIES AND ENCOURAGE RESEARCH TO BENEFIT SOCIETY. THEY UPDATE THEIR COURSES AND MODERNIZE LABORATORIES TO KEEP UP WITH TECHNOLOGICAL ADVANCEMENTS, OFFERING A RANGE OF ELECTIVE COURSES TO COVER CURRENT TRENDS.



DEAN ACADEMICS MESSAGE



IT IS MATTER OF GREAT PLEASURE FOR ME THAT THE DYNAMIC STUDENTS AND FACULTY MEMBERS OF THE DEPARTMENT HAVE TAKEN AN INITIATIVE TO START AN ANNUAL MAGAZINE OF ELECTRICAL ENGINEERING DEPARTMENT "ELECTRIKA", WHICH TO BE LAUNCHED ON THE FOUNDER'S DAY OF THE INSTITUTE THIS YEAR.

THE ANNUAL MAGAZINE WILL PROVIDE AN EXCELLENT PLATFORM TO SHOWCASE THE ACHIEVEMENTS AND CONTRIBUTIONS OF THE STUDENTS, FACULTY AND ALUMNI. THE FIRST BATCH OF STUDENTS ASPIRING TO BE ELECTRICAL ENGINEERS, ENTERED THE INSTITUTE IN 1957. THE UNDERGRADUATE PROGRAMME IN ELECTRICAL ENGINEERING IS THEREFORE THE OLDEST PROGRAMME IN THE INSTITUTE ALONG WITH CIVIL AND MECHANICAL ENGINEERING.

THE DEPARTMENT HAS A GLORIOUS HISTORY AND AN AWESOME PAST. THE DEPARTMENT WAS ONE OF THE OLDEST IN MADHYA PRADESH AND CHHATTISGARH, (OLDER THAN ALL NITS AND IITS EXCEPT ROORKEE & KHARAGPUR), AND WAS ENTRUSTED WITH THE DAUNTING TASK OF CREATING ELECTRICAL ENGINEERS CAPABLE OF HANDLING THE CHALLENGES OF A POST-INDEPENDENCE SOCIETY WHICH WAS GRAPPLING WITH POWER CUTS AND SHORTAGES IN EVERY SECTOR. IT IS VERY DIFFICULT FOR THE PRESENT GENERATION TO UNDERSTAND THE TIMES WHEN THE COUNTRY HAD NOT ACHIEVED ABUNDANCE AND TECHNICAL EQUALITY/SUPERIORITY WITH THE DEVELOPED COUNTRIES. AT SUCH TIMES, COUNTLESS ALUMNUS OF THE DEPARTMENT ADORNED TOP POSITIONS IN GOVERNMENT, ADMINISTRATION, RESEARCH AND INDUSTRY AND BROUGHT STATUS AND ACCOLADES TO THE INSTITUTE, STATE AND NATION. LATER TOO, WHILE MOST OF THE IIT GRADUATES WERE LEAVING THE COUNTRY TO RUN THE ECONOMIES OF THE DEVELOPED COUNTRIES, THE SINCERE AND HARDWORKING MITIANS CONTRIBUTED TO THEIR OWN COUNTRY, ECONOMY, TRADE AND RESEARCH. IT IS THE RESULT OF THE DILIGENCE GENERATIONS OF SUCH ENGINEERS THAT TODAY INDIA IS IN A DOMINANT POSITION IN THE WORLD.

TECHNOLOGY TODAY IS CHANGING AT A RATE WHICH IS UNPRECEDENTED; NEVER BEFORE IN THE HISTORY OF MANKIND, THE RATE OF CHANGE HAS BEEN AS IT IS TODAY. SURVIVAL IS THE BIGGEST CHALLENGE. MY MESSAGE TO ALL THE YOUNG STUDENTS IS THAT ALWAYS BE IN THE PURSUIT OF KNOWLEDGE; DEVOTE ALL YOUR TIME IN THE PIOUS ACT OF LEARNING; CONTINUE LEARNING EVEN WHEN YOU LEAVE THE INSTITUTE AND BE LIFELONG LEARNERS. THAT WILL BE THE KEY TO YOUR CAREER GROWTH. INNOVATE AND INVENT YOUR OWN SOLUTIONS, DO NOT JUST BLINDLY FOLLOW THE PATH SHOWN TO YOU. NURTURE YOUR MIND TO BE CURIOUS AND INQUISITIVE. MAY ALL YOUR ENDEAVOURS BE VERY SATISFYING AND SUCCESSFUL!!

DR. MANJAREE PANDIT
(DEAN ACADEMICS M.I.T.S GWALIOR)



HOD MESSAGE



AS THE HEAD OF THE ELECTRICAL ENGINEERING DEPARTMENT, I AM HONORED TO CONTRIBUTE TO OUR DEPARTMENTAL MAGAZINE, A LONGSTANDING TRADITION THAT SERVES AS A PLATFORM FOR SHOWCASING THE REMARKABLE ACHIEVEMENTS, EXPRESSING OPINIONS, AND EXPLORING CUTTING-EDGE TECHNOLOGIES BY OUR FACULTY, STAFF, AND STUDENTS. OUR DEPARTMENT, WITH A STRONG ALUMNI NETWORK AND A HISTORY OF PLACING STUDENTS IN REPUTABLE POSITIONS, IS EXPERIENCING SIGNIFICANT GROWTH. THE DEVELOPMENT OF OUR DEPARTMENTAL MAGAZINE REFLECTS OUR DESIRE TO SHARE THE PRIDE, ACCOMPLISHMENTS, AND THOUGHTS OF OUR COMMUNITY. WORKING COLLABORATIVELY AS A TEAM BRINGS US IMMENSE DELIGHT AND PRIVILEGE, AND WE ARE DEDICATED TO FOSTERING THE HOLISTIC DEVELOPMENT OF OUR STUDENTS WITHIN THE INSTITUTE. I EXTEND MY BEST WISHES TO BOTH MITS AND THE ELECTRICAL ENGINEERING FAMILY, EMPHASIZING THAT THE MAGAZINE IS A TRADITION THAT FOSTERS HAPPINESS AND UNITY, AND I HOPE THAT THE NEW MEMBERS OF OUR FAMILY WILL CONTINUE TO UPHOLD THIS TRADITION FOR GENERATIONS TO COME.

**DR. SULOCHANA WADHWANI
(HOD EED M.I.T.S GWALIOR)**



FACULTY MESSAGE



It is with great enthusiasm and pride that I announce the collaborative efforts of the Electrical Engineering Department in crafting their inaugural magazine, "ELECTRIKA," a testament to the remarkable achievements and contributions of our alumni, students, and faculty. In our pursuit of excellence, the department has built a legacy spanning decades, with unwavering dedication from both students and faculty to uphold our institute's esteemed reputation in the dynamic realms of education and research. The stories of our alumni, attaining prestigious positions in engineering, research, administration and diverse fields, underscore the significant impact of our department on shaping successful professionals. The launch of "ELECTRIKA" stands as a commendable initiative, fostering interaction and inspiration among stakeholders, promoting collaboration for the advancement of both the department and the institute. This magazine serves as more than a publication; it is a vibrant platform for the exchange of ideas, innovation, and the cultivation of a strong sense of community. Through "ELECTRIKA," we aspire to motivate students to work cohesively, not only for their individual growth but also for the collective betterment of society.

Dr. A. K. Wadhvani
(Prof EED M.I.T.S Gwalior)

FACULTY MESSAGE



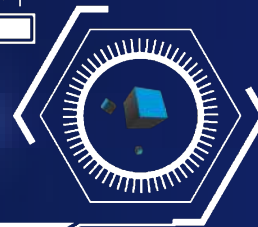
It is indeed a matter of great pleasure and pride that the students of the Electrical Engineering Department are working towards the publication of the annual magazine "ELECTRIKA". This magazine will serve as a platform to share the achievements and contributions of the department's alumni, students, and faculty.

Our department has a rich legacy spanning decades, and both students and faculty have been putting in their utmost efforts to establish the department's excellence and uphold our institute reputation in the fiercely competitive landscape of education and research. Many of our alumni have gone on to achieve prominent positions in engineering, research, administration, politics, and various other fields.

This initiative to publish "ELECTRIKA" is a commendable effort that will foster interaction and inspiration among all stakeholders, encouraging collaboration for the betterment of the department and the institute as a whole. It will serve as a platform for the exchange of ideas, innovation, and the motivation of students to work as a close-knit family, not only for their individual growth but also for the betterment of society. I sincerely hope and believe that this initiative will continue in the future, allowing for the continued exchange of ideas and the inspiration of students to work cohesively for the betterment of both themselves and society at large. I would like to extend my heartfelt congratulations to the editorial board for their hard work and dedication, and I wish them all the success in this endeavor.

Dr. Shishir Dixit
(Prof EED M.I.T.S Gwalior)

FACULTY'S MEMBERS



Dr. Manjaree Pandit

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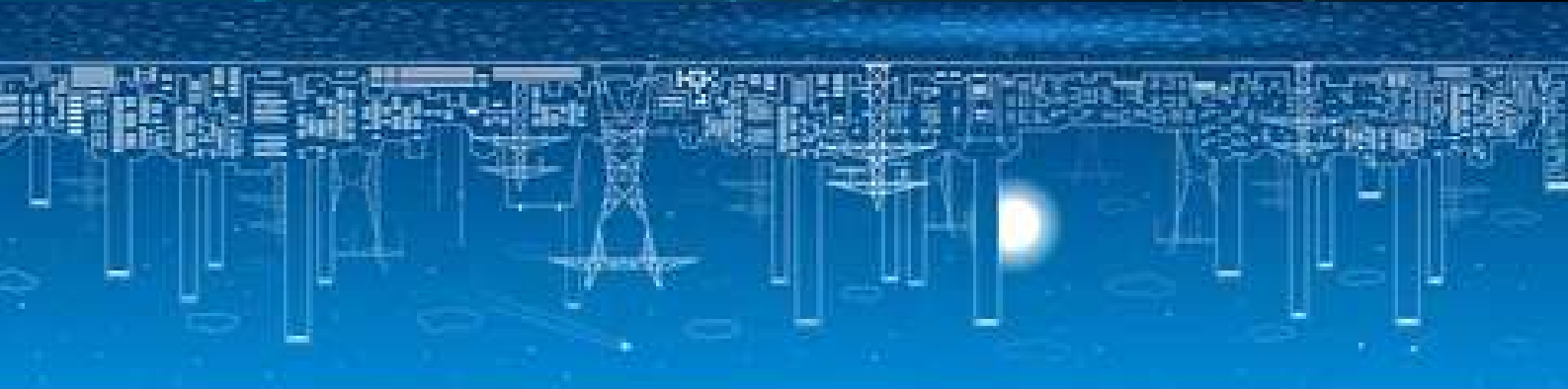


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EVENTS



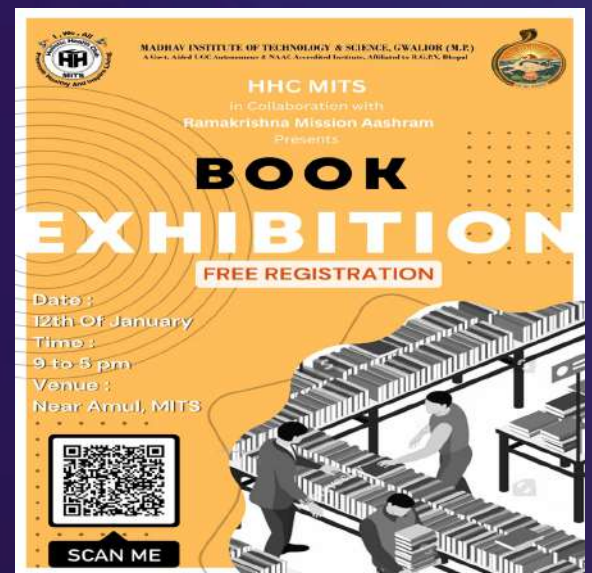
NATIONAL LEVEL QUIZ COMPETITION



Electrical Engineering Department and IEEE student section of MITS organized National Level online quiz competitions on the Occasion of MITS Day on 06 March 2023 .

BOOK EXHIBITION

Holistic Health Club MITS in collaboration with Ramakrishna mission Aashram, Gwalior Organized Book exhibition for students and staff on 12/01/2023 in Madhav Institute of Technology & Science.



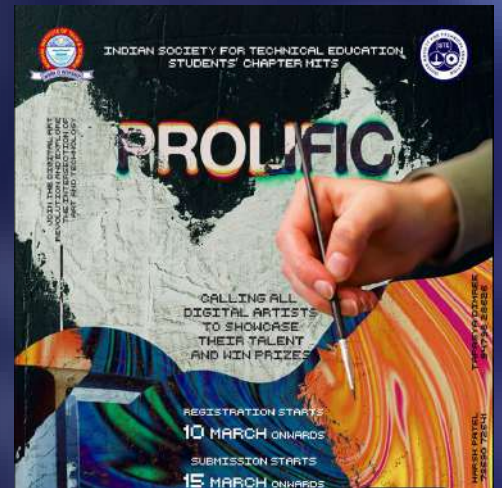
UNINSTALLING ANXIETY



Holistic Health Club MITS Organized a seminar on "Uninstalling Anxiety" by Dr. Sapna Kumari for students and staff on 24/03/2023 in Madhav Institute of Technology & Science.

PROLIFIC

ISTE Students' Chapter organized PROLIFIC from 13th to 17th March 2023 in Madhav Institute of Technology & Science.



INDUCTION PROGRAM - 2022



Electrical Engineering Department Induction Programme for First year students during 03 & 04 November 2022



CLEANLINESS PROGRAM

Holistic Health Club MITS in collaboration with the Electrical Engineering Department organized a Cleanliness Program in Madhav Institute of Technology & Science on 03/10/2022. Total 45 students actively participated in the event.



FOOD FIESTA 4.0

ISTE Students' Chapter MITS organized "FOOD FIESTA 4.0" during first year Induction Program 2022 on 02/11/2022 in Madhav Institute of Technology & Science. Approx. 1400 students actively participated in the event



ISCMCTR - 2023



Dr. Manjaree Pandit (Dean Academics) MITS, Gwalior organized the International Student Conference on Multidisciplinary and Current Technical Research (ISCMCTR 2023) on 20 - 21' May, 2023.



Dr. Bhavna Rathore, Dr. Gaurav Khare, Dr. Yashwant Sawle, Organized one day workshop Professional Development Activity for researchers organized by dept. of Electrical Engineering and sponsored by IEEE PES Chapter MP Section

Dr. Gaurav Khare, Dr. Nikhil Paliwal, Dr. Saurabh Kumar Rajput, Dr. Vikarm, organised two week long peer-learning sessions on "Python Programming" during May 16 - May 26, 2023 at MITS Gwalior

YOGA LICIOUS

On the occasion of International Yoga Day on 21st June.2023, Holistic Health Club MITS & NSS unit organized a Yoga session for faculty, staff & students.

Holistic Health Club organised an event Yoga-licious, that is on 23rd June 2023



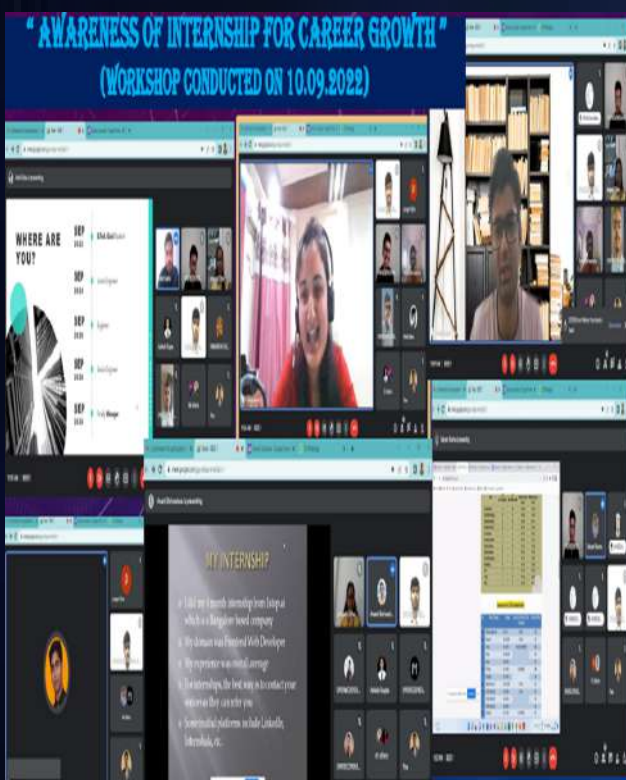
NATIONAL LEVEL QUIZ COMPETITION



Department of Electrical Engineering has organised A National Level Quiz Competition on the occasion of Teachers Day on 05 September 2022 under UG students of AICTE approved Institutions

Department of Electrical Engineering has organized an In-House Workshop on "Outcome Based Education (OBE) practices and implementation" 08 September, 2022. The Objectives of the workshop was to review teaching learning activities in support of OBE. The coordinators, Prof. Praveen Bansal & Dr. Saurabh Kumar Rajput, shared the best teaching learning practices of the department.

Department of Electrical Engineering organized a workshop "Awareness of Internship for Career Growth" on 10.09.2022. The objective of the workshop was to inform the students about the need and importance of internship & projects for placements and career growth. The workshop followed by discussion was conducted in the online mode and 6 alumni experts delivered their experiences with a total 72 participants.



Electrical Engineering Department

WORKSHOP

AWARENESS OF INTERNSHIP FOR CAREER GROWTH

10 SEPTEMBER 2022, VIRTUAL/YT LIVE

ER. ANKIT SAHU
WORKFORCE ADVISORY CONSULTANT
SHREY & YOUNG

ER. SHREYA BANDIL
APPLICATION DEVELOPMENT ANALYST
ACCENTURE

ER. ASHISH GUPTA
Sr. TECH PM
ZF TELECOM

ER. SWAPNIL TRIPATHI
RESEARCH SCHOLAR
IIT PRAGATI

ER. ANANT SHRIVASTAVA
SYSTEM ENGINEER
INFOSYS

ER. SATYAM SHARMA
ASSOCIATE SOFTWARE ENGINEER
ACCENTURE

ER. ARNAV JAISWAL
ASSOCIATES FOR TRAFFIC ENGINEER
TATA

Free E-Certificates to all registered participants from EED

REGISTER NOW : <https://forms.gle/D6vhhTNUg8Cw7jKPA>

Faculty coordinators:
Prof. Praveen Bansal
Prof. Saurabh Rajput

BOOK CARNIVAL 2.0



ISTE Students' Chapter MITS is conducting "YouVista", techno-cultural events sponsored by AICTE-SPICES (Scheme for promoting Interests, Creativity and Ethics among Students) It is a one-week event. This includes three events, where the 1st event will be a Book Carnival



An orientation programme was conducted by the Electrical Engineering Department for the II, III and IV year B. Tech students (EE, EE-IoT) on August 1st, 2022. A spectrum of sessions has been organised under the programme and are presented by faculties. The orientation programme consisted of sessions on the flexible curriculum scheme, OBE (CO, PO, PEO), internship program/modules, career opportunities, NPTEL, NEP-2020, NEC courses, Proficiency evaluation and assessment rubrics,

mentor-mentee activities, institute guidelines for plagiarism, feedback, lab visits etc. They were also introduced to students' clubs and achievements. At the end of the sessions, they were encouraged to share their overview of their experiences in the previous semesters and were also instructed to give their feedback on the orientation program.

MYSTERY OF SILENCE



Holistic Health Club MITS Organized 'Mystery of Silence' on the occasion of International Sign language Day in offline mode during 28/09/2022-29/09/2022 in Madhav Institute of Technology & Science. Total 90 students actively participated in the event.

WIT-SIZE

ISTE Students' Chapter MITS is conducting "WIT-SEIZE", technical events sponsored by AICTE-SPICES (Scheme for promoting Interests, Creativity and Ethics among Students) It is a three-day event to familiarize students with how the ongoing placements work



POEMS

SAPNA

Mera ek sapna hai tumhe lekar,
Sapna poora karogi kya...
Maine ek gazal likhi hai,
Mere liye padhogi kya...

Jab neend mujhe aaye,
Lori tum suna dena..
Jab duniya se thak jaaon.
Mujhe bahon m sula lena....
GAM-e-Registan SA hai jeevan
mera Tum barsaat-e-muhabbat
banogi kya..
Mera ek sapna hai,
Sapna poora karogi kya....

Chahe khushiyan meri Le lena, Bas
GAM tum apne de jana... Jab bhi
ho koi takleef,
Paas m mere chale aana..
Sab kehte hai shayar mujhse
Shayari meri banogi kya....
Mera ek sapna hai.
Sapna poora karogi kya..

Main ban jaoon krishna tumhara,
Tum meera meri ho jana...
Jagat moh ko tyaag.
Prem m mere kho jana...
Jbb nafrat ka jeher mile,
Mera prem Smjh kr pee lena...

Jbb Koi dil pr ghaav de Mere prem
sahare see lena Aur main ban
jaaon RAM tumhara,(x2) Tum
SEETA Meri banogi kya... Mera ek
sapna hai,
Sapna poora karogi kya...



Abhishek Thakral
3rd year, EED

MY CUTIE PIE

I have a little curious kid
Who is always used to read?
Who ask everything bit by bit?
We use to caries on his chin

She seldom likes to bear a crown
She loved to dance on grown

She is rascal and shuffling girl
Her talks always touch our heart
She is no one other;
she is my 'cute pie'.

Arti Pant
3rd year, EED



Echoes of Friendship: A College Chronicle

In the lecture's hum and campus glow,
College friendships began to grow.
Late-night cramming, laughter's song,
Through exams and deadlines, we'd throng.
Together we faced each academic tide,
In the tapestry of youth, side by side.
As graduation calls, paths may sway,
Yet, the echoes of friendship will always stay.
College days, a fleeting blend,
Of memories made, and bonds that won't end.
Through the highs and lows, we transcend,
College friends, a treasure, to cherish and
defend.

Kunal Bharadwaj
3rd year, EED



College Days: A Journey

*In the hallowed halls of knowledge, where dreams take flight,
College days unfold, a journey bathed in light.*

*A tapestry of moments, woven with delight,
In the book of memories, each page burning bright.*

*Lecture halls echo with wisdom's gentle hum,
Students, seekers, together they become.*

*In the dance of ideas, minds intertwine,
A symphony of learning, a rhythm so divine.*

*Dormitory whispers, late-night laughter's grace,
Friendships forged in time, a bond none can erase.*

*Through corridors of challenges, we stride,
With resilience as our compass, side by side.*

*Exams like storms, they come and they go,
Yet, in the face of trials, seeds of knowledge sow.*

*Teachers, mentors, guiding lights so true,
Nurturing the intellect, like morning's dew.*

*Cafeteria tales and coffee-stained books,
In every stolen moment, new perspectives crook.*

*The campus breathes, a living, pulsing heart,
Where every student plays a unique part.*

*As the final bell tolls, signaling the end,
College days, a chapter, forever penned.*

*A journey of discovery, growth, and grace,
In the tapestry of life, a cherished space.*

Naman Sharma
3rd year, EED



The Symphony of Life

*From the first breath, a life begins to unfold,
A tapestry of moments, a story yet untold.
In childhood's innocence, the world is a delight,
A symphony of colors, a dazzling light.*

*Adolescence arrives, with its trials and joys,
A time of exploration, a world of new choices.
Friendships are forged, dreams take flight,
As we navigate the challenges, with all our might.*

*Youth brings passion, a burning fire within,
A quest for purpose, a path to begin.
Love blossoms, hearts intertwine,
A bond that's precious, a love so divine.*

*Middle age unfolds, with wisdom and grace,
A time of fulfillment, embracing life's pace.
Family and friendships, a treasure to hold,
Memories cherished, stories to be told.*

*As the years gracefully pass, life's chapters unfold,
A time of serenity, stories yet untold.
Grandchildren bring laughter, their spirits so bright,
A circle of love, in the fading light.*

*In each phase of life, beauty resides,
From the first breath to the final goodbye.
Embrace every moment, let your spirit soar,
For life's a precious gift, forevermore*

*Raj Kumar Prasad
3rd year, EED*





MEMORIES





FRESHER'S PARTY



BATCH 2021-2025



BATCH 2022-2026















ARTICLES

BLOCKCHAIN: SHAPING TOMORROW'S OPPORTUNITIES IN A DECENTRALIZED LANDSCAPE

Blockchain, once synonymous with cryptocurrencies, is evolving into a transformative force across diverse industries. This distributed ledger technology ensures transaction immutability, transparency, and security, with its decentralized nature eliminating a single point of control. Its advantages, including transparency, security, and efficiency through automation, make it a vital skill for individuals and businesses.

In a world driven by digital transactions, blockchain skills are essential for navigating the evolving digital economy and bolstering data security. Job opportunities in blockchain development and management are on the rise, reflecting the technology's growing importance. Furthermore, blockchain proficiency can fuel innovation and entrepreneurship, enabling individuals to spearhead disruptive projects.

As blockchain continues to redefine traditional systems and create new possibilities, developing skills in this field becomes crucial. By embracing blockchain, individuals and businesses position themselves at the forefront of innovation, ensuring they can confidently navigate the dynamic and ever-evolving digital landscape.

Soumya Dhingra
3rd year, EED



HARNESSING THE POWER OF THE SUN: THE GROWING IMPACT OF SOLAR ENERGY

In the pursuit of sustainable energy, solar power emerges as a beacon of hope, transforming the global energy landscape. Solar energy, derived from the sun's abundant and renewable rays, is increasingly recognized as a clean and viable alternative to traditional fossil fuels.

One of the most significant advantages of solar energy is its environmental friendliness. Solar power systems generate electricity with minimal carbon emissions, contributing to the reduction of greenhouse gases. Additionally, solar panels have a long lifespan and low maintenance requirements, making them a cost-effective and sustainable energy solution.

The declining costs of solar technology and government incentives further propel its widespread adoption. From residential rooftops to vast solar farms, the versatility of solar energy applications continues to expand. As nations commit to reducing carbon footprints, the sun's inexhaustible energy presents an optimistic pathway towards a greener and more sustainable future. Embracing solar power is not just an investment in clean energy but a commitment to a healthier planet for generations to come.

Geetanjali Yadav
3rd year, EED



UNLEASHING THE POTENTIAL: THE TRANSFORMATIVE POWER OF ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI), a groundbreaking technological frontier, is revolutionizing the way we live and work. From enhancing efficiency in industries to reshaping daily conveniences, AI is a force of innovation. At its core, AI refers to machines simulating human intelligence, learning from data, and performing tasks that traditionally required human input.

In healthcare, AI aids in diagnostics and personalized treatments, while in finance, it optimizes decision-making processes. However, the ethical implications of AI, including privacy concerns and job displacement, demand careful consideration. Striking a balance between advancement and responsibility is crucial.

As AI continues to evolve, its potential is limitless. It is not merely a tool but a catalyst for progress, offering solutions to complex problems and unlocking new possibilities across diverse fields. Embracing the responsible development of AI ensures a future where technology serves as a force for positive transformation.

Nandini Thakur
3rd year, EED



THE PILLARS OF OUR LIVES: A TRIBUTE TO MOM AND DAD

In the grand tapestry of life, our parents stand as the enduring pillars, the unwavering anchors that provide stability and strength amidst the storms of existence. Their love, a beacon of unwavering luminescence, guides us through the labyrinth of life, illuminating the path ahead.

Mom, the embodiment of compassion and tenderness, is a sanctuary of solace, a haven of unconditional love. Her gentle touch, her soothing words, and her unwavering belief in our abilities are the balm that soothes our wounded spirits and rekindles our hope.

Dad, the epitome of resilience and strength, is an unwavering rock, a steadfast protector who shields us from life's adversities. His wisdom, his guidance, and his unwavering faith in our potential empower us to face challenges with courage and determination.

Together, they form an indomitable duo, a harmonious symphony of love and support, shaping our lives with their unwavering dedication.

Their sacrifices, their selfless acts of love, are the foundation upon which our dreams are built.

As we navigate the intricate maze of life, our parents' love remains our guiding compass, an eternal flame that illuminates the darkness and inspires us to reach for the stars. Their presence, their unwavering love, is the bedrock of our existence, the source of our strength, and the inspiration for our dreams.

Vaishali Gaur
3rd year, EED



ELECTRIC VEHICLES

Electric vehicles (EVs) have emerged as a transformative force in the automotive industry, heralding a cleaner and sustainable future. These vehicles, powered by electricity stored in rechargeable batteries, offer a significant reduction in carbon emissions compared to traditional internal combustion engines. The growing concern over environmental issues, coupled with advancements in battery technology, has fueled the popularity of electric vehicles.

EVs not only contribute to lowering air pollution but also play a vital role in reducing dependence on fossil fuels. With the development of an extensive charging infrastructure, EVs are becoming increasingly practical for daily use. Governments worldwide are incentivizing the adoption of electric vehicles through subsidies and infrastructure investments, further accelerating the shift towards a greener transportation landscape. As the automotive industry continues to innovate, electric vehicles stand as a beacon of sustainable progress, promising a cleaner, more eco-friendly future.

Radhika Yadav
3rd year, EED



UNVEILING THE COMPLEXITIES OF THE MIND: A BRIEF EXPLORATION INTO PSYCHOLOGY

Psychology, the study of the human mind and behavior, delves into the intricacies of what makes us uniquely human. From understanding cognitive processes to unraveling the mysteries of emotions and motivations, psychology plays a pivotal role in deciphering the complexities of human existence.

The field encompasses a spectrum of branches, including clinical, cognitive, and social psychology, each offering valuable insights into different aspects of our mental and emotional well-being. Researchers and practitioners strive to uncover the underpinnings of mental health, providing tools for individuals to navigate challenges and lead fulfilling lives.

As we delve into the realms of consciousness, memory, and perception, psychology not only enhances self-awareness but also sheds light on societal dynamics. It explores the factors influencing human behavior, fostering empathy and understanding in diverse contexts.

In a world increasingly attuned to mental health, psychology serves as a beacon, guiding us toward a deeper comprehension of ourselves and others. Whether unlocking the secrets of the unconscious mind or offering strategies for personal growth

Shashank Bhargava
3rd year, EED



JYOTISH AND SCIENCE: BRIDGING THE GAP BETWEEN ANCIENT WISDOM AND MODERN UNDERSTANDING

Jyotish, often referred to as Vedic astrology, is an ancient Indian system that has been practiced for thousands of years. Rooted in the Vedas, the sacred texts of Hinduism, Jyotish explores the relationship between cosmic patterns and earthly events. While it may seem esoteric, there is a growing interest in understanding the scientific underpinnings of Jyotish and exploring the potential connections between this ancient wisdom and modern science.

Jyotish is based on the belief that the positions and movements of celestial bodies, such as planets and stars, can influence human affairs and natural events. In this aspect, there is a parallel with modern astronomy, which acknowledges the gravitational forces exerted by celestial bodies on each other. While Jyotish describes these influences in a metaphysical and symbolic language, the concept aligns with the fundamental principles of gravitational interactions acknowledged by science.

In Jyotish, each planet is associated with specific energies and qualities. The interactions of these energies are believed to influence various aspects of life. While the terminology and interpretations may differ, the idea of planetary influences on Earth is not entirely alien to scientific thought. For instance, the sun's energy significantly impacts Earth's climate and weather patterns, showcasing a tangible link between celestial bodies and earthly phenomena.

Jyotish places great importance on time cycles, such as planetary transits and the dasha system, which divides life into different phases governed by specific planets. This bears resemblance to scientific concepts like the Earth's axial precession, which leads to changes in the orientation of Earth's rotational axis over time. The recognition of cyclical patterns is a common thread that weaves through both Jyotish and scientific inquiry.

Jyotish and science, though seemingly distinct, share common ground in their exploration of the cosmos and its impact on our lives. As we continue to unravel the mysteries of the universe, there is value in appreciating the diverse ways in which different cultures have sought to understand the cosmic order. While Jyotish may not fit neatly into the empirical framework of modern science, the dialogue between these two realms can deepen our appreciation for the intricate connections between the microcosm and macrocosm, fostering a more holistic understanding of our place in the universe.

Manvendra Singh
3rd year, EED



BREAKING THE SILENCE: NAVIGATING THE LANDSCAPE OF DEPRESSION

Depression, a pervasive and often misunderstood mental health condition, casts a formidable shadow over the lives of millions worldwide. Beyond being a transient sadness, it is a multifaceted challenge influenced by genetics, environment, and internal factors. The journey towards fostering empathy and dismantling societal stigma begins with acknowledging its pervasive impact. Depression manifests diversely, intricately influencing thoughts, emotions, and daily functioning. It goes beyond a mere emotional state, impacting one's entire being. Understanding the complexity of its manifestations is crucial in developing a compassionate approach.

Seeking professional assistance, whether through therapy or medication, is pivotal for recovery. However, the journey is intricate, demanding patience and unwavering support. Acknowledging the necessity of these interventions is a crucial step towards creating a foundation for sustained well-being. The road to recovery from depression is often challenging and requires both patience and a strong support system. Loved ones play a pivotal role in offering understanding and encouragement, forming an essential component of the healing process.

Open dialogue and education are vital in dispelling misconceptions surrounding depression. Increased awareness fosters understanding, breaking down the barriers that contribute to the stigma surrounding mental health issues. Initiatives that encourage conversations about depression contribute significantly to building a more empathetic society. By breaking the silence surrounding depression, we pave the way for understanding, empathy, and effective intervention. Encouraging individuals to share their experiences creates a supportive atmosphere, allowing them to step out of the shadows. This openness fosters hope and resilience on the path to mental well-being.

Fostering a supportive atmosphere involves societal commitment to empathy and understanding. Communities, workplaces, and educational institutions can contribute to creating environments that prioritize mental health. Through collective efforts, we can build a society where individuals feel empowered to seek help without fear of judgment. Depression is a complex and pervasive challenge that requires a multifaceted approach. By acknowledging its impact, promoting open dialogue, and providing unwavering support, we can dismantle the stigma surrounding mental health. In doing so, we create a path towards understanding, empathy, and effective intervention, fostering hope and resilience on the journey to mental well-being.

Deepansh Kulshrestha
2nd year, EED



CHILDREN'S DAY: EMBRACING INNOCENCE, ENABLING DREAMS

Children's Day in India, celebrated on November 14th, is a tribute to the innocence and potential encapsulated in every child. This day, marking the birth anniversary of Pandit Jawaharlal Nehru, affectionately known as Chacha Nehru, goes beyond festivities; it serves as a poignant reminder of our collective responsibility towards the well-being and development of the younger generation.

Schools and communities come alive with vibrant activities, cultural performances, and educational events. The legacy of Chacha Nehru, who envisioned a nation's progress linked to the well-being of its children, is celebrated through these initiatives. It is a day to acknowledge the importance of quality education, advocating for policies that ensure every child has access to learning opportunities.

Children's Day is also a platform to raise awareness about children's rights, emphasizing the need to protect them from exploitation and ensuring their access to healthcare and education. It celebrates the simplicity of childhood, encouraging adults to appreciate the small joys that make this phase of life magical.

Children's Day is a celebration of dreams, potential, and the collective responsibility to create an environment where every child can thrive. By nurturing their innocence, respecting their rights, and fostering an atmosphere of joy and learning, we contribute to building a future that is compassionate and promising. Children's Day is a call to embrace the beauty of childhood, ensuring that every child can dream, learn, and grow in an environment that cherishes and protects their potential.

Aman Sharma
2nd year, EED





***EMERGING CAREER
IN
ELECTRICAL
ENGINEERING***

RENEWABLE ENERGY SPECIALIST

As the world shifts towards sustainable practices, electrical engineers specializing in renewable energy are in high demand. Designing and implementing systems harnessing solar, wind, and other green energy sources align with the global push for environmental responsibility.

IOT (INTERNET OF THINGS) ENGINEER

The integration of devices and systems through IoT has created a demand for engineers who can design, implement, and secure interconnected networks. This role involves working on smart homes, wearable technology, and other interconnected systems.

BIOMEDICAL ENGINEER

Electrical engineers are increasingly involved in the healthcare sector, contributing to the development of medical devices, imaging equipment, and wearable health tech, merging engineering skills with advancements in medical science.

Power Systems Engineer: Specializing in the design and operation of electrical systems for generating and distributing power.

Control Systems Engineer: Focusing on the design and implementation of control systems for various applications.

Electronics Engineer: Working with electronic components and systems, designing circuits and devices.

Renewable Energy Engineer: Designing and implementing systems for harnessing renewable energy sources like solar and wind.

Telecommunications Engineer: Designing and maintaining communication systems, including networks and satellite communication.

Instrumentation Engineer: Specializing in the design and maintenance of control instruments used in manufacturing and processing industries.

Robotics Engineer: Developing and maintaining robotic systems for automation in various industries.

Hardware Engineer: Designing and testing computer hardware components for optimal performance.



***TRENDING
TECHNOLOGIES
IN
ELECTRICAL
ENGINEERING***

ELECTRIC VEHICLES

Electric vehicles are becoming increasingly popular as a way to reduce our reliance on fossil fuels. Electrical engineers are developing new and improved electric vehicle technologies, such as more efficient batteries and faster charging systems.



SMART GRIDS



Smart grids are electrical grids that use digital technology to improve the efficiency, reliability, and security of the power grid. Smart grids can also help to integrate renewable energy sources into the grid.

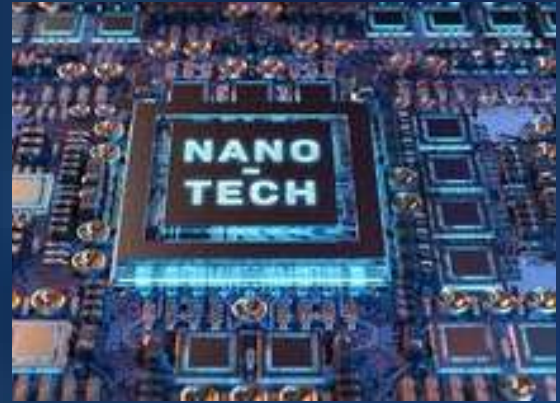
ROBOTICS AND AUTOMATION

Electrical engineers are developing new robotic and automation systems for a variety of industries, such as manufacturing, healthcare, and logistics.



NANOTECHNOLOGY

Nanotechnology is the study of matter at the atomic and molecular level. Electrical engineers are using nanotechnology to develop new materials and devices with incredible properties. For example, nanowires can be used to create ultra-thin solar cells, and nanocomposites can be used to create superconductors that operate at room temperature.



WIRELESS POWER TRANSMISSION



Wireless power transmission is the technology of transferring electrical energy without the use of wires or cables. Electrical engineers are developing new ways to transmit power wirelessly over long distances, which could revolutionize the way we power our homes, businesses, and vehicles.

CYBER SECURITY

Electrical systems are increasingly interconnected with the internet, making them vulnerable to cyberattacks. Electrical engineers are developing new cybersecurity technologies to protect these systems from attack. For example, they are developing new ways to encrypt data, detect intrusions, and respond to attacks.



1. **Artificial Intelligence (AI):** AI refers to the development of computer systems that can perform tasks that typically require human intelligence. In electrical engineering, AI is applied to various areas such as signal processing, control systems, and optimization.

2. **Internet of Things (IoT):** IoT is a network of interconnected devices that communicate and share data with each other through the internet. In electrical engineering, IoT is often applied to smart systems, where devices such as sensors and actuators communicate to enable automation and efficient data exchange.

3. **5G Wireless Technology:** 5G is the fifth generation of mobile communication technology, providing faster data transfer rates, lower latency, and increased connectivity. In electrical engineering, 5G is crucial for the development of wireless communication systems and the implementation of IoT devices.

4. **Renewable Energy Technologies:** Renewable energy technologies involve the generation of energy from sustainable sources such as solar, wind, hydro, and geothermal. In electrical engineering, these technologies play a vital role in the design and implementation of power systems that harness clean and sustainable energy.

5. **Power Electronics:** Power electronics is a branch of electrical engineering that deals with the conversion and control of electrical power. It includes the design of converters, inverters, and other devices that manage the flow of electrical energy in various applications, such as motor drives and renewable energy systems.

6. **Wearable Devices:** Wearable devices are electronic gadgets that can be worn on the body, often equipped with sensors and connectivity features. In electrical engineering, the design of these devices involves considerations for power efficiency, miniaturization, and sensor integration.

8. **Advanced Materials:** Advanced materials refer to materials with enhanced properties, often developed through novel manufacturing or processing techniques. In electrical engineering, these materials are used in the construction of electronic components, circuits, and devices to improve performance and efficiency.

Faculty



ACHIEVEMENTS

- *Dr Y Sawle, delivered National level Research Scholar Meet on Innovations and Recent Advancement on Renewable Energy & sustainability Technologies, organized by Orient Institute of Science & Technology Bhopal, on 28/07/2022 to 29/07/2022*
- *Dr A.K Wadhvani, delivered an expert lecture on “Real Time Bone Fracture Identification using Deep Learning” on 15/09/2022 for the STC on “Deep Learning” scheduled from 12/09/2022 to 16/09/2022 organized by Department of Computer Science & Engineering, NITTTR, Chandigarh.*
- *Dr Y Sawle, delivered National level Research Scholar Meet on Innovations and Recent Advancement on Renewable Energy & sustainability Technologies, organized by Orient Institute of Science & Technology Bhopal, on 28/07/2022 to 29/07/2022*
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- *Dr. Shishir Dixit Participated in 4 th edition of one week STC on Power System Restructuring & Renewable Energy Integration (PSRREI) 4.0" from 6th September to 10th September 2022, Organised by Department of Electrical & Electronics Engineering, Bharatiya Vidyapeet's College of Engineering, New Delhi, India IET India.*
- *Dr. Shishir Dixit Participated in one week online STC on Emerging Trends in Power and Energy Systems (ETPES 2022) held during July 26-31 2022, Organised by Department of Electrical Engineering. National Institute of Technology NewDelhi.*
- *Dr. Himmat Singh Participated in 4 th edition of one week STC on Power System Restructuring & Renewable Energy Integration (PSRREI) 4.0" from 6th September to 10th September 2022, Organised by Department of Electrical & Electronics Engineering, Bharatiya Vidyapeet's College of Engineering, New Delhi, India.*
- *Dr. Himmat Singh Participated in one week online STC on Emerging Trends in Power and Energy Systems (ETPES 2022) held during July 26-31 2022, Organised by Department of Electrical Engineering. National Institute of Technology New Delhi.*
- *Kuldeep Kumar Swarnkar Participated in one week online STC on Emerging Trends in Power and Energy Systems (ETPES 2022) held during July 26-31 2022, Organised by Department of Electrical Engineering. National Institute of Technology NewDelhi.*
- *Prof.Vishal Chaudhary Participated one week STC on Power System Restructuring & Renewable Energy Integration (PSRREI) 4.0" from 6th September to 10th September 2022, Organised by Department of Electrical & Electronics Engineering, Bharatiya Vidyapeet's College of Engineering, New Delhi, India.*
- *Dr. Vijay Bhuria Participated in 4 th edition of one week STC on Power System Restructuring & Renewable Energy Integration (PSRREI) 4.0" from 6th September to 10th September 2022, Organised by Department of Electrical & Electronics Engineering, Bharatiya Vidyapeet's College of Engineering, New Delhi, India.*

- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Computing Sciences: Historical Perspective on 24 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Multitasking: Myth and Challenges on 17 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Digital Twin: New Normal for IR 4.0 on 27 August, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Data Privacy - A Humanistic Perspective on 10 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on AI- Technology, Use Cases and the Way Forward on 06 August, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Resilient Humans – Key to Performance on 30 July, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Authentication: Password & Beyond on 23 July, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Low Code Platforms (HpAPaaS): Future of Software Development on 16 July, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on 5G: Myths and Challenges on 09 July, 2022, organized by BVICAM, New Delhi.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Computing Sciences: Historical Perspective on 24 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Multitasking: Myth and Challenges on 17 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Digital Twin: New Normal for IR 4.0 on 27 August, 2022, organized by BVICAM, New Delhi.*

- *Mrs. Sushma Khare of Department of Electrical Engineering, Madhav Institute of Technology and Science Gwalior, (M.P.) Awareness Programme for Self Defence: Women and Girls, 7 Sep 2022, 4:00 PM to 6:00 PM, Eminent Speaker/Trainer: Sensei Santosh Pandey, (Technical Director), Karate-Do Association of Gwalior, MITS, Gwalior.*
- *Mrs. Sushma Khare of Department of Electrical Engineering, Madhav Institute of Technology and Science Gwalior, (M.P.), Three days Workshop on “Connect to Yourself” held on 20th to 22nd September 2022, From: 1:00 PM- 2:00PM organized by Department of Electronics Engg, MITS, Gwalior.*
- *Mrs. Sushma Khare of Department of Electrical Engineering, Madhav Institute of Technology and Science Gwalior, (M.P.) “DHEERA-say NO to VAW” on 22/09/2022 from 4pm to 6 pm at Conclave Centre, MITS, Gwalior.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Computing Sciences: Historical Perspective on 24 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Multitasking: Myth and Challenges on 17 September, 2022, organized by BVICAM, New Delhi.*
- *Dr. Himmat Singh of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Digital Twin: New Normal for IR 4.0 on 27 August, 2022, organized by BVICAM, New Delhi.*
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- *Dr Yashwant Sawle, delivered a lecture as a Keynote speaker in International conference on emerging Trends and innovation in engineering and science (ICETIES 2022) during October 14 to 15 2022 organized by SOET, SUN, Nashik, Maharashtra.*
- *Dr Arun Kumar Wadhvani delivered an expert lecture in One Week Online Faculty Development Programme on “Intellectual Property Rights, Innovations, Entrepreneurship, Patents & Copyrights” during 30 Nov. to 06 Dec. 2022, organized by Amity School of Architecture and Planning, Amity University Madhya Pradesh, Gwalior.*

- *Dr Arun Kumar Wadhvani delivered an expert lecture on “Development of Diagnostic System for Neuromuscular Disorder” in FDP under AICTE ATAL on Application of Artificial Intelligence in Modern Days Engineering Problems during 14.11.2022 to 25.11.2022, at UIT, RGPV Bhopal*
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- *Dr. Shishir Dixit Successfully completed SWAYAM NPTEL certificate course on Introduction to Smart Grid, Jul-Sep 2022*
- *Dr Vijay Bhuria attended One week UGC Approved online Short Term Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ with 'A' Grade held from October 27 to November 05, 2022*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on AI based Transformer Technologies on 01 October, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Gamification in Education and Research on 15 October, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Compression - The Heart of Digital Revolution on 22 October, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Cyber Security, Cyber Warfare and Cyber Citizenship on 29 October, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on NEP-2020: Challenges and Opportunities on 12 November, 2022, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended Webinar on Simplifying IPR and Patent Filing on 26 November, 2022, organized by BVICAM, New Delhi.*

- *Er. Yogeshwar Dayal Jaital of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended National IWorkshop Seminar on "Acoustics Metrology & Noise Pollution Control in India" on October 29, 2022*
- *Er. Yogeshwar Dayal Jaital of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) India has successfully attended National IWorkshop Seminar on "Precision measurements in Electrical Parameters & Calibration of Electrical Equipment" on December 31, 2022*
- *Mrs. Sushma Khare of Department of Electrical Engineering, Madhav Institute of Technology and Science (M.I.T.S.), Gwalior, (M.P.) Act for violence against women" to celebrate " International day for the elimination of violence against women "Conclave Centre Gwalior, 25-11-2022.*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT), delivered a keynote lecture on "Reference Management Using Mendeley" in the one-week Faculty Development Program (FDP) on "Research Methodology & How to Write a Good Scientific Research Paper" organised by Bansal Institute of Science and Technology, Bhopal on 14th Jan. 2023.*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT), delivered a one-week online expert session on "E-Vehicle Repair and Maintenance"organised by SAGE Winter School, Bhopal during 16th Jan. 2023 to 20th Jan. 2023.*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT), delivered an online expert lecture on "Integration Issues and Protection Challenges in Microgrid" in 2-Day Short-term Faculty Development Program (FDP) on "Recent Trends in Power Electronics and their Applications in Power Systems" organised by Department of Electrical & Electronics Engineering at School of Engineering and Technology, Sandip University, Nashik on 24th and 25th March, 2023.*
- *Dr. Shishir Dixit published, Granted (Design Patent), "Safety Jacket Integrated With Safety Belt Based On Artificial Intelligence", Intellectual Property, India, Publication Date 13/01/2023, Patents Application No.: 372911-001*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT) published, Granted (Design Patent), titled "Electric Vehicle Battery with Swapping Mechanism", Intellectual Property, India, Publication Date 14/04/2023, Patents Application No.: 369081-001*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT) successfully completed the 4-week NPTEL course on "Electric Vehicles Part-1" in March 2023 with Elite certificate.*
- *Dr. Murli Manohar, Assistant Professor, Department of Electrical Engineering (IoT) successfully completed the 8-week NPTEL course on "Introduction to Soft Computing" in March 2023 with Elite+Silver certificate.*
- *Dr. Shishir Dixit successfully attended Webinar on AI in Electrical Power Systems on 07 January, 2023, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit successfully attended Webinar on Robotics Process Automation on 21 January, 2023, organized by BVICAM, New Delhi.*

- *Dr. Shishir Dixit successfully attended Webinar on User Experience Considerations for Building Modern Apps on 04 February, 2023, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit successfully attended Webinar on Changing Role of HR Heads for Gen Z and Millennials on 11 February, 2023, organized by BVICAM, New Delhi*
- *Dr. Shishir Dixit successfully attended Webinar on Cloud Computing: Digital Transformation on 25 February, 2023, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit successfully attended Webinar on IT Disaster Recovery – Breaking Myths for Resilience on 11 March, 2023, organized by BVICAM, New Delhi.*
- *Dr. Shishir Dixit successfully attended Webinar on Citations and Reference Management through Mendeley on 25 March, 2023, organized by BVICAM, New Delhi.*
- *Rinisha Bagaria, Sulochana Wadhvani, A. K. Wadhvani, "An Image Segmentation for Different Medical Image Modalities using Wavelet Transform Technique", International Journal of Scientific Research in Science and Technology (IJSRST), Online ISSN : 2395-602X, Print ISSN : 2395-6011, Volume 10 Issue 1, pp. 292-307, January-February 2023. Available at doi : <https://doi.org/10.32628/IJSRST2310134>*
- *Dr. Shishir Dixit Presented a research paper in 12th IEEE International Conference CSNT-2023 held at Technocrats Institute of Technology (Excellence) Bhopal, Madhya Pradesh (India), on 9th Apr-2023, Paper Title: Bacterial Foraging Particle Swarm Optimization Based Wheeling Pricing Allocation Through AFmile and RF-Mile Approach.*
- *Dr. Shishir Dixit Presented a research paper in 12th IEEE International Conference CSNT-2023 held at Technocrats Institute of Technology (Excellence) Bhopal, Madhya Pradesh (India), on 9th Apr-2023, Paper Title: TS Fuzzy controller for power quality improvement in grid-connected PV and wind systems.*
- *Dr. Shishir Dixit, Singh, H. et al. (2023) "Optimization of reactive power using Dragonfly algorithm in DG Integrated Distribution System," Electric Power Systems Research, 220, p. 109351. Available at: <https://doi.org/10.1016/j.epsr.2023.109351>., Q1 Journal*
- *Dr. Shishir Dixit, Kumar Tatikayala, V. (2023) "Multi-stage voltage control in high photovoltaic based distributed generation Penetrated Distribution System considering smart inverter reactive power capability," Ain Shams Engineering Journal, p. 102265. Available at: <https://doi.org/10.1016/j.asej.2023.102265>., Q1 Journal*
- *Dr. Shishir Dixit, Kumar Tatikayala, V., Dr. Yashwant Sawle Integrated Energy Management System for Microgrid based on Renewable Energy Sources , International Journal of Electrical and Electronics Research (IJEER),| Volume 11, Issue 2 | Pages 11 | e-ISSN: 2347-470X. (Scopus Journal)*
- *Dr.Himmat Singh, et al. (2023) "Optimization of reactive power using Dragonfly algorithm in DG Integrated Distribution System," Electric Power Systems Research, 220, p. 109351. (SCI IF 3.414) Available at: <https://doi.org/10.1016/j.epsr.2023.109351>., Under Q1 Journal Ranking category.*

- **Dr. Murl Manohar** published a research paper titled “A Combined S-transform and Ensemble of DT based Protection scheme for six-phase transmission line” in an IEEE International Conference on Power Electronics and Energy (ICPEE), jointly organized by School of Electrical Engineering, KIIT Deemed to be University, Bhubaneswar and IEEE Bhubaneswar Sub Section, Odisha, during 03-05 Jan. 2023.
- **Dr. Yashwant Sawle, Singh, H. et al. (2023)** “Optimization of reactive power using Dragonfly algorithm in DG Integrated Distribution System,” *Electric Power Systems Research*, 220, p. 109351. (SCI IF 3.414) Available at: <https://doi.org/10.1016/j.epsr.2023.109351>, Under Q1 Journal Ranking category.
- **Dr. Yashwant Sawle, et al.** "A comprehensive review on optimization of hybrid renewable energy systems using various optimization techniques." *Renewable and Sustainable Energy Reviews* 176 (2023): 113192. (SCI IF 16.8), <https://doi.org/10.1016/j.rser.2023.113192>, Under Q1 Journal Ranking category.
- **Dr. Yashwant Sawle, et al.,** *Integrated Energy Management System for Microgrid based on Renewable Energy Sources*, *International Journal of Electrical and Electronics Research (IJEER)*,| Volume 11, Issue 2 e-ISSN: 2347-470X. (Scopus Journal) Nikita Yadav, Yashwant sawle, (Scopus Journal)
- **Dr. Kaushal Pratap Sengar**, Delivered an expert lecture on “Recent Advancement in Science & Technology” on the occasion of National Technology Day 13 May 2023, in Vikrant University Gwalior, M.P .
- **Dr. Kaushal Pratap Sengar** successfully completed the 12 Weeks SWAYAM-NPTEL Course of “Sensors and Actuators”.
- **Dr. Kaushal Pratap Sengar** successfully completed 12 Weeks SWAYAM –NPTEL Course of “Introduction to Internet of Things”.
- **Dr. Kaushal Pratap Sengar** successfully completed NPTEL-AICTE Faculty Development Program (FDP) on “Introduction to Internet of Things”.
- **Dr. Kaushal Pratap Sengar** successfully completed NPTEL-AICTE Faculty Development Program (FDP) on “Sensors and Actuators”
- **Dr. Yashwant Sawle** successfully completed 12 Weeks SWAYAM –NPTEL Course on “Introduction to Internet of Things”.
- **Dr. Yashwant Sawle**, successfully completed NPTEL-AICTE Faculty Development Program (FDP) on “Introduction to Internet of Things”.
- **Dr. Yashwant Sawle** successfully completed NITTTR SWAYAM-NPTEL Course on “student Assessment and evaluation”.
- **Dr. Yashwant Sawle** successfully completed NITTTR SWAYAM-NPTEL Course on “Orientation toward technical education and curriculum aspects”.
- **Dr. Kaushal Pratap Sengar** attended 2 weeks hands on session on Python Programming organized by Department of Electrical Engineering, Madhav Institute of Technology & Science Gwalior, M.P.

- *Dr. Yashwant Sawle successfully completed the 5-Day Online Faculty Development Programme based on "RECENT TRENDS IN MATERIALS AND FLEXIBLE ELECTRONICS" organised by the Department of Electronics and Communication Engineering of Techno College of Engineering Agartala from the 10 April to the 14 April 2023.*
- *Dr. Shishir Dixit, Conducted the Awareness programs on April 22,23-2023. "Electric Shock: Prevention and Cure"-Energy conservation & management atRayatpura, Khaneta Endori, and Kanchanpura, Nounera Village, Gohad Tensil, Bhind District*
- *Y sawle et al., Energy Management in Microgrids with Renewable Energy Sources and Demand Response, Computers and Electrical Engineering 110 (2023) 108848. (SCI 4.152)*
- *R Yadav, Y Sawle, et.al, AI techniques in detection of NTLs: A comprehensive review, Archives of Computational Methods in Engineering, (SCI, Accepted on18 May 2023 at 01:34)*
- *M. Thirunavukkarasu, Himadri Lala, Yashwant Sawle, Reliability index based optimal sizing and statistical performance analysis of stand-alone hybrid renewable energy system using metaheuristic algorithms, Alexandria Engineering Journal, Volume 74, 2023,pp 387-413, (SCI, Journal, Impact Factor 6.626)*
- *Singh, Himmat, Yashwant Sawle et al. "Optimization of reactive power using dragonfly algorithm in DG integrated distribution system." Electric Power Systems Research 220 (2023): 109351. (SCI, Journal, Impact Factor 3.57)*
- *Thirunavukkarasu, M., Yashwant Sawle, and Himadri Lala. "A comprehensive review on optimization of hybrid renewable energy systems using various optimization techniques." Renewable and Sustainable Energy Reviews 176 (2023): 113192. (SCI, Journal, Impact Factor 16.78)*
- *Bohre, A. K., Sawle, Y., Jadoun, V. K., & Agarwal, A. "Assessment of Techno-Socio-Economic Performances of Distribution Network with Optimal Planning of Multiple DGs." EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 10, Issue 02, pp1106-1112, June 2023 (Scopus Journal)*
- *Vinay Kumar Tatikayala, Shishir Dixit and Yashwant Sawle (2023), Integrated Energy Management System for Microgrid based on Renewable Energy Sources. IJEER 11(2), 272-282. DOI: 10.37391/IJEER.110205. (Scopus Journal)*
- *H Singh, Y Sawle, Dragonfly Algorithm for optimal power flow problem, International Journal For Research In Electronics & Electrical Engineering(Accepted, Scopus Journal)*
- *Sharma, Rahul, and Yashwant Sawle, Economic Analysis Using Renewable Energy Resources at Different Remote Locations, 2023 IEEE RESEM-2023 1st International Conference on renewable sustainability and E-mobility conference 2023.*
- *Yadav, N., Sharma, Rahul, Sawle, Y , Economic Analysis of Renewable energy systems for rural electrification, 2nd International Conference on Renewable Power (ICRP-2023)*

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- **Yadav, N., Sharma, Rahul, Sawle, Y , Economic Analysis of Renewable energy systems for rural electrification, 2nd International Conference on Renewable Power (ICRP-2023)**
- **Dr. Shishir Dixit, “Wheeling Price Optimization and Allocation Using a Modified Rao-2” Algorithm in an Open Access Power Market Environment, in Novyi Mir Research Journal, Volume 8, issue 6, June 2023 (UGC, etc.,)**
- **Dr. Shishir Dixit, Singh, H. et al. (2023) “Optimization of reactive power using Dragonfly algorithm in DG Integrated Distribution System,” Electric Power Systems Research, 220, p. 109351. Available at:<https://doi.org/10.1016/j.epsr.2023.109351>., Q1 Journal (SCI)**
- **Dr. Shishir Dixit, Kumar Tatikayala, V. (2023) “Multi-stage voltage control in high photovoltaic based distributed generation Penetrated Distribution System considering smart inverter reactive power capability,” Ain Shams Engineering Journal, p. 102265. Available at: <https://doi.org/10.1016/j.asej.2023.102265>., Q1 Journal (SCI)**
- **Dr. Shishir Dixit, Kumar Tatikayala, V., Dr. Yashwant Sawle Integrated Energy Management System for Microgrid based on Renewable Energy Sources , International Journal of Electrical and Electronics Research (IJEER),| Volume 11, Issue 2 | Pages 11 | e-ISSN: 2347-470X. (Scopus Journal)**
- **Dr. Shishir Dixit, Presented a research paper in 12th IEEE International Conference CSNT-2023 held at Technocrats Institute of Technology (Excellence) Bhopal, Madhya Pradesh (India), on 9th Apr-2023, Paper Title: Bacterial Foraging Particle Swarm Optimization Based Wheeling Pricing Allocation Through AFmile and RF-Mile Approach (Scopus)**
- **Dr. Shishir Dixit, Presented a research paper in 12th IEEE International Conference CSNT-2023 held at Technocrats Institute of Technology (Excellence) Bhopal, Madhya Pradesh (India), on 9th Apr-2023, Paper Title: TS Fuzzy controller for power quality improvement in grid-connected PV and wind systems (Scopus)**
- **Subhi Jain, Poonam Singh, Vishal Chaudhary and Dr. Manjaree Pandit, “Optimal Design of an Off-Grid Hybrid System Using Homer Pro” in the International Conference on Computer, Electronics and Electrical Engineering and their Applications (IC2E3-2023), held from 8th to 9th June, 2023 at National Institute of Technology Uttarakhand, India.**



STUDENT'S ACHIEVEMENTS

*Ayush Khandelwal win the first prize
 "Open mic competition" organized
 by GIC Youth club on the occasion of
 Mothers day*



*Pritam Kumar Barpete from
 MITS GWALIOR has
 successfully completed a 6-
 week online training on
 AutoCAD*



Disha jain has participated in "TECHSUMMER 22" organized by IETE STUDENTS forum on 12 June, 2022.

Ankit Sharma has participated in "STARTUPNEST" organized by Digital Learning Group in association with Gurukul Dream Foundation under the patronage of MITS, Gwalior on 27th August 2022.

Industrial visit to PGCIL Guna with 52 students along with Prof. Rakesh Narvey, Dr. Himmat Singh, Er. Ravi Gupta and Mrs. Shashi Goyal on 10/09/2022.

Namrata Tekchandani participated in National level Competition in the Flipkart Grid 4.0 software development challenge organized by flipkart on 07 September 2022.

Avishi Asati participated in poster presentation event organised by ABVIIITM during 09-10 December 2022.

Rahul Sharma, Yashwant Sawle, Economic Analysis of PV/Wind Grid Connected Microgrid System, IEEE 6th International Conference On Condition Assessment Techniques, In Electrical Systems (IEEE CATCON 2022) organized by NIT Durgapur, December 17-19, 2022 (Accepted)

Ankita Yadav, Yashwant Sawle, Economic Analysis of Renewable energy systems for Rural electrification, International Technical Conference" titled "Control in Electric vehicles and Smart grid with Renewable Energy Synergies for sustainable development, organized by VIT Chennai, 28th & 29th October, 2022. (Accepted)

Aman Sharma got recognition of excellent initiatives from ArIES NIT ROORKEE on date 23-02-2023.

Utkarsh Gupta participated in national level online quiz competitions on the Occasion of MITS Day.

Rahul sharma, Yashwant sawle, "Economic Analysis of Renewable energy systems for ruralelectrification" in 2nd International Conference on "Renewable Power (ICRP-2023)", 28th - 29th March, 2023. (Accepted)

Ishan bhadoriya et. al, under guidance of Dr Bhavna Rathore, Dr yashwant sawle et. al, minor project got prize in competition held in Bhopal.

Niharika mittal, et. al, guidance of Dr Bhavna Rathore, Dr yashwant sawle got recognized by MITS institute win case price and certificate .

Akshata chitnis, et. al, guidance of Dr Bhavna Rathore, Dr yashwant sawle got recognized by MITS institute, win case price and certificate .

Nikita Yadav, Rahul sharma, Yashwant sawle, Economic Analysis of Renewable energy systems for ruralelectrification” in 2nd International Conference on “Renewable Power (ICRP-2023)”, 28th - 29th March, 2023. (Accepted)

Nikita Yadav, Yashwant sawle, Evaluating the technical and economic feasibility of a hybrid renewable energy system for off-grid ,Journal of Autonomous Intelligence (Scopus Accepted).

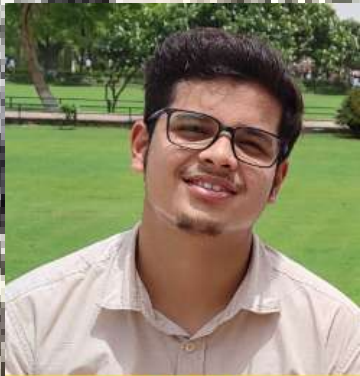
Sharma, Rahul, and Yashwant Sawle, Economic Analysis Using Renewable Energy Resources at Different Remote Locations, 2023 IEEE RESEM-2023 1st International Conference on renewable sustainability and E-mobility conference 2023 (Accepted).⁴

Yadav, N., Sharma, Rahul, Sawle, Y , Economic Analysis of Renewable energy systems for rural electrification, 2nd International Conference on RenewablePower (ICRP-2023).

Utkarsh Mishra,Disha Jain,get certification of participation in “Quiz-O-Pedia” by Analysis Club MITS.

Yadav, N., Sharma, Rahul, Sawle, Y , Economic Analysis of Renewable energy systems for rural electrification, 2nd International Conference on Renewable Power (ICRP-2023).

PLACEMENT



Nishi Dixit

Nextuple Inc (7 LPA)
Batch: 2019-2023



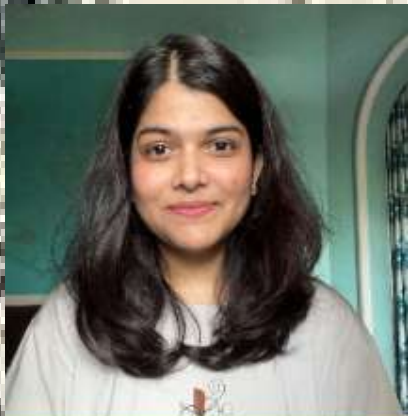
Mohil Jain

Accenture (6.6 LPA)
Batch: 2019-2023



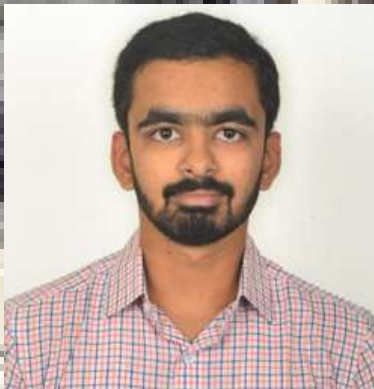
Sharad Kushwah

Kloudspot (8.04 LPA)
BITCS (8 LPA) - CSE
Batch: 2019-2023



Arya Mishra

LTI (8 LPA)
Batch: 2018-2022



Anant Shrivastava

Infosys (3.6 LPA), Wipro
(3.5 LPA), TCS (3.35 LPA)
Batch: 2018-2022



Anurag Singh

CG Power & Industrial
Solutions Ltd. (4.5 LPA)
Batch: 2018-2022



Mahesh Shivhare

HCL Tech (4.25 LPA), TCS
(3.6 LPA), Wipro (3.5 LPA)
Batch: 2018-2022



Prachi Dantre

Accenture (6.5 LPA)
Batch: 2018-2022

Placement Details List of Student's 2022 (Graduated Batch)

S. No.	Name of Department	Name of Student's	Name of the Employer	Salary Package (In Rs.)
1	Electrical Engineering	Aditya Pathak	Accenture	450000
2	Electrical Engineering	Ajay Yadav	Accenture	450000
3	Electrical Engineering	Arnav Jaiswal	Accenture	450000
4	Electrical Engineering	Atul Kumar Shahwal	Accenture	450000
5	Electrical Engineering	Iti Pandey	Accenture	450000
6	Electrical Engineering	Kumari Kanta	Accenture	450000
7	Electrical Engineering	Mukta Singh	Accenture	450000
8	Electrical Engineering	Palash Shrivastava	Accenture	450000
9	Electrical Engineering	Saloni Patankar	Accenture	450000
10	Electrical Engineering	Mohil Jain	Accenture	650000
11	Electrical Engineering	Prachi Dantre	Accenture	650000
12	Electrical Engineering	SATYAM SHARMA	Accenture	650000
13	Electrical Engineering	Abhilasha Dohare	AdmitKard	1070000
14	Electrical Engineering	Ashish Tripathi	AdmitKard	1070000
15	Electrical Engineering	Astha Singh	AdmitKard	1070000
16	Electrical Engineering	AYUSH KAURAV	AdmitKard	1070000
17	Electrical Engineering	Dhriti Sharma	AdmitKard	1070000
18	Electrical Engineering	HARSH RAJPUT	AdmitKard	1070000
19	Electrical Engineering	KAJAL SINGH	AdmitKard	1070000
20	Electrical Engineering	Madhavi Batham	AdmitKard	1070000
21	Electrical Engineering	Nishi Dixit	AdmitKard	1070000
22	Electrical Engineering	Nitin Goyal	AdmitKard	1070000
23	Electrical Engineering	Sanjana Mittal	AdmitKard	1070000
24	Electrical Engineering	Shubham Rathore	AdmitKard	1070000
25	Electrical Engineering	Shubhi Tiwari	AdmitKard	1070000
26	Electrical Engineering	Anoop Mishra	CG Power	500000
27	Electrical Engineering	Himanshu Shekhar	CG Power	500000
28	Electrical Engineering	Nikhil Advani	EPL Limited	300000
29	Electrical Engineering	Abhay Agrawal	HP Inc	360000
30	Electrical Engineering	Harsh Vardhan Sachan	HP Inc	360000
31	Electrical Engineering	Abhishek Maneshwar	Infosys	360000
32	Electrical Engineering	Anant Shrivastava	Infosys	360000
33	Electrical Engineering	Anuj Rajput	Infosys	360000
34	Electrical Engineering	Ashish Tripathi	Infosys	360000
35	Electrical Engineering	Astha Singh	Infosys	360000
36	Electrical Engineering	Chanchal Jain	Infosys	360000
37	Electrical Engineering	Piyush Verma	Infosys	360000
38	Electrical Engineering	Rushil Babelay	Infosys	360000
39	Electrical Engineering	Sameer Soni	Infosys	360000
40	Electrical Engineering	Saurabh Rathore	Infosys	360000
41	Electrical Engineering	Saurav Singh	Infosys	360000
42	Electrical Engineering	Shikha Singh Ghosh	Infosys	360000
43	Electrical Engineering	Sumit Singh Tomar	Infosys	360000
44	Electrical Engineering	Vedant Shah	Infosys	360000
45	Electrical Engineering	Yuvraj Singh	Infosys	360000
46	Electrical Engineering	Rishabh Singh	Jaro Education	660000
47	Electrical Engineering	Satyesh Shukla	JSW	500000
48	Electrical Engineering	Vedant Shah	JSW	500000

Placement Details List of Student's 2022 (Graduated Batch)

S. No.	Name of Department	Name of Student's	Name of the Employer	Salary Package (In Rs.)
49	Electrical Engineering	Utkarsh Mishra	Labcorp	501546
50	Electrical Engineering	Mansi Saxena	LTI (L&T Infotech)	650000
51	Electrical Engineering	Arya Mishra	LTI (L&T Infotech)	800000
52	Electrical Engineering	Anshul Singh	Nexturn	350000
53	Electrical Engineering	Deepu Kankar	Nexturn	350000
54	Electrical Engineering	Nitin Goyal	Nexturn	350000
55	Electrical Engineering	Aman Kumar Gupta	Practo Technologies Pvt. Ltd.	682000
56	Electrical Engineering	Chirag Mourya	Practo Technologies Pvt. Ltd.	682000
57	Electrical Engineering	Gaurav Yadav	Practo Technologies Pvt. Ltd.	682000
58	Electrical Engineering	SANJAY RAWAT	RxLogix	550000
59	Electrical Engineering	Akash Singh	Tata Elxsi	350000
60	Electrical Engineering	Anoop Mishra	Tata Elxsi	350000
61	Electrical Engineering	Ashwini Mourya	Tata Elxsi	350000
62	Electrical Engineering	ATINDRA OJHA	Tata Elxsi	350000
63	Electrical Engineering	Deepak Mudgal	Tata Elxsi	350000
64	Electrical Engineering	Rahul Gupta	Tata Elxsi	350000
65	Electrical Engineering	Rajarsh Dwivedi	Tata Elxsi	350000
66	Electrical Engineering	Arnav Jaiswal	TCS-Digital	760000
67	Electrical Engineering	Rushil Babelay	TCS-Digital	760000
68	Electrical Engineering	Abhilasha Dohare	TCS-Ninja	360000
69	Electrical Engineering	Anant Shrivastava	TCS-Ninja	360000
70	Electrical Engineering	KUMAR SATYAM	TCS-Ninja	360000
71	Electrical Engineering	Mahesh Shivhare	TCS-Ninja	360000
72	Electrical Engineering	Rahul Singh	TCS-Ninja	360000
73	Electrical Engineering	Saurabh Rathore	TCS-Ninja	360000
74	Electrical Engineering	Shailendra Kumar Patel	TCS-Ninja	360000
75	Electrical Engineering	Shubham Rathore	TCS-Ninja	360000
76	Electrical Engineering	Vikas Sharma	TCS-Ninja	360000
77	Electrical Engineering	Aditi Khare	Wipro	350000
78	Electrical Engineering	Aditya Pathak	Wipro	350000
79	Electrical Engineering	ADITYA RAJ	Wipro	350000
80	Electrical Engineering	Ajay Kaushal	Wipro	350000
81	Electrical Engineering	AJAY SHARMA	Wipro	350000
82	Electrical Engineering	Aman Singh Chauhan	Wipro	350000
83	Electrical Engineering	Aniket Singh Bhadouria	Wipro	350000
84	Electrical Engineering	Ashirwad Halve	Wipro	350000
85	Electrical Engineering	Ashwani Goswami	Wipro	350000
86	Electrical Engineering	Atul Kumar Shahwal	Wipro	350000
87	Electrical Engineering	Ayushman Gupta	Wipro	350000
88	Electrical Engineering	Garvit Jain Banzal	Wipro	350000
89	Electrical Engineering	Iti Pandey	Wipro	350000
90	Electrical Engineering	Madhav Agrawal	Wipro	350000
91	Electrical Engineering	Mohil Jain	Wipro	350000
92	Electrical Engineering	Rachit Kevin Ekka	Wipro	350000
93	Electrical Engineering	Samidha Sharma	Wipro	350000

Placement Details List of Student's 2022 (Graduated Batch)

S. No.	Name of Department	Name of Student's	Name of the Employer	Salary Package (In Rs.)
94	Electrical Engineering	Sanidhya Chaturvedi	Wipro	350000
95	Electrical Engineering	Shaurya Pratap Singh Rajawat	Wipro	350000
96	Electrical Engineering	Shubham Sharan Tiwari	Wipro	350000
97	Electrical Engineering	Shubham Sharma	Wipro	350000

Placement Details List of Student's 2023 (Graduated Batch)

S. No	Name of Department	Name of Student's	Name of Employer	Salary Package (In Rs.)
1	Electrical Engineering	Aayush Goyal	Vaco Binary Semantics	350000
2	Electrical Engineering	Abhi Asthana	Newgen	425000
3	Electrical Engineering	Abhishek Singh	BYJU's	750000
4	Electrical Engineering	Aditi Jain	Accenture	450000
5	Electrical Engineering	Aditi Jain	LTI	400000
6	Electrical Engineering	Aditya Shukla	Acuity Knowledge	600000
7	Electrical Engineering	Akshat Baranwal	HikeEdu	450000
8	Electrical Engineering	Akshat Baranwal	LTI	400000
9	Electrical Engineering	Akshat Gupta	Accenture	450000
10	Electrical Engineering	Akshat Singh Chauhan	LTI	400000
11	Electrical Engineering	Aman Khan	HikeEdu	450000
12	Electrical Engineering	Aman Khan	Simplify VMS	725000
13	Electrical Engineering	Aman Thakur	Newgen	425000
14	Electrical Engineering	Anchal Rajak	Asahi India	300000
15	Electrical Engineering	Anish Choudhary	LTI	400000
16	Electrical Engineering	Anish Choudhary	TCS-Digital	750000
17	Electrical Engineering	Ankit Kumar Tripathi	DCM Shriram	318000
18	Electrical Engineering	Ankit Rana	Volvo Eicher	450000
19	Electrical Engineering	Anshika Jain	Newgen	425000
20	Electrical Engineering	Anshika Jain	TCS-Ninja	350000
21	Electrical Engineering	Anurag Singh	HCL Technologies Ltd.	425000
22	Electrical Engineering	Anurag Singh	HCL Technologies Ltd.	425000
23	Electrical Engineering	Anurag Singh	BYJU's	750000
24	Electrical Engineering	Anurag Singh	CG Power	450000
25	Electrical Engineering	Arunansh Sharma	Volvo Eicher	450000
26	Electrical Engineering	Ashish Chaturvedi	Newgen	425000
27	Electrical Engineering	Ashish Mishra	LTI	400000
28	Electrical Engineering	Ashish Sharma	Accenture	450000
29	Electrical Engineering	Ayush Khatik	RxLogix	650000
30	Electrical Engineering	Ayush Khatik	TCS-Digital	750000
31	Electrical Engineering	Ayush Tiwari	RxLogix	650000
32	Electrical Engineering	Bhaskar Shastri	BYJU's	750000
33	Electrical Engineering	Deependra Rajput	Asahi India	300000
34	Electrical Engineering	Gourav Minocha	LTI	400000
35	Electrical Engineering	Harshit Agrawal	RxLogix	650000
36	Electrical Engineering	Harshit Rajput	IBM	450000
37	Electrical Engineering	Harshit Rajput	TCS-Ninja	350000
38	Electrical Engineering	Himanshu Gupta	DCM Shriram	318000
39	Electrical Engineering	Jay Kumar Sahu	LTI	400000
40	Electrical Engineering	Jisha Gupta	Accenture	450000
41	Electrical Engineering	Jisha Gupta	TCS-Ninja	350000
42	Electrical Engineering	Jiti Mishra	Accenture	450000
43	Electrical Engineering	Kartikey Kumar	RxLogix	650000
44	Electrical Engineering	Kaushal Kumar	RxLogix	650000
45	Electrical Engineering	Kushagra Mishra	LTI	400000
46	Electrical Engineering	Kushagra Sharma	Accenture	650000
47	Electrical Engineering	Mridul Gupta	Accenture	450000

Placement Details List of Student's 2023 (Graduated Batch)

S. No	Name of Department	Name of Student's	Name of Employer	Salary Package (In Rs.)
48	Electrical Engineering	Mudit Sharma	LTI	400000
49	Electrical Engineering	Mukul Savita	Accenture	450000
50	Electrical Engineering	Mukul Savita	TCS-Ninja	350000
51	Electrical Engineering	Nikhil Yadav	Accenture	450000
52	Electrical Engineering	Nikita Sikarwar	Accenture	450000
53	Electrical Engineering	Nishi Sisodiya	Asahi India	300000
54	Electrical Engineering	Prashant Srivastava	LTI	500000
55	Electrical Engineering	Priyanshi Yadav	LTI	400000
56	Electrical Engineering	Pushpendra Yadav	Kloudspot	810000
57	Electrical Engineering	Raja	Asahi India	300000
58	Electrical Engineering	Rekha Bisen	Volvo Eicher	450000
59	Electrical Engineering	Rishika Namdeo	LTI	400000
60	Electrical Engineering	Ritik Bhorga	Accenture	450000
61	Electrical Engineering	Ritul Shrivastava	TCS-Ninja	350000
62	Electrical Engineering	Rohit Agrawal	RxLogix	650000
63	Electrical Engineering	Sakshi Pathak	LTI	500000
64	Electrical Engineering	Sakshi Savita	HikeEdu	450000
65	Electrical Engineering	Sakshi Savita	LTI	400000
66	Electrical Engineering	Sandeep Mandeliya	Accenture	450000
67	Electrical Engineering	Sandeep Mandeliya	TCS-Ninja	350000
68	Electrical Engineering	Sankalp Joshi	Accenture	450000
69	Electrical Engineering	Sankalp Joshi	CG Power	450000
70	Electrical Engineering	Shalu Pal	CG Power	450000
71	Electrical Engineering	Sharad Kushwah	Kloudspot	810000
72	Electrical Engineering	Shashank Rai	LTI	650000
73	Electrical Engineering	Shivam Mandhan	LTI	400000
74	Electrical Engineering	Shreya Tiwari	HikeEdu	450000
75	Electrical Engineering	Tanmay Shrivastava	LTI	500000
76	Electrical Engineering	Tanya Gupta	Newgen	425000
77	Electrical Engineering	Unnati Yadav	TCS-Ninja	350000
78	Electrical Engineering	Vaibhav Rajoriya	HCL Technologies Ltd.	425000
79	Electrical Engineering	VARUN KUMAR	Newgen	425000
80	Electrical Engineering	Vikas Malviya	LTI	400000
81	Electrical Engineering	Yashvardhan Singh Tomar	Accenture	450000

The background of the image is a dense, overlapping collage of various newspaper clippings and photographs. The clippings are scattered across the entire frame, creating a textured, layered effect. Some clippings are clearly legible, showing headlines and text, while others are partially obscured or out of focus. The colors are muted, with a lot of grey and white from the newspaper paper, interspersed with some colorful images and text. The overall impression is one of a vast, unorganized collection of media content.

MEDIA COVERAGE

ट्रांसमिशन सिस्टम में होता है ऑप्टिकल फाइबर का प्रयोग : डॉ दीक्षित

सत्ता सुधार ■ ग्वालियर

विद्युत अभियंत्रिकी विभाग, माधव इंस्टिट्यूट ऑफ टेक्नोलॉजी एंड साइंस, ग्वालियर, म.प्र. द्वारा पावर ग्रिड गुना ट्रांसमिशन लिमिटेड 400 किलो वॉल्ट सबस्टेशन गुना के लिए औद्योगिक यात्रा आयोजित की गई। इस औद्योगिक यात्रा का आयोजन डॉक्टर शिशिर दीक्षित, एसोसिएट प्रोफेसर, एमआईटीएस ग्वालियर एवं निखिल पालीवाल असिस्टेंट प्रोफेसर द्वारा किया गया है। उक्त इंस्टिट्यूट ट्रिप में इलेक्ट्रिकल विभाग द्वारा गुना ट्रांसमिशन लिमिटेड 400 किलो वॉल्ट सबस्टेशन गुना में पावर ग्रिड के साथ एम ओ यू के तहत आयोजित



किया गया है। इस इंस्टिट्यूट ट्रिप में 60 छात्र-छात्राओं के साथ प्रोफेसर राकेश नावें, डॉक्टर हिम्मत सिंह, इंजीनियर आर पी गुप्ता व श्रीमती शशि गोयल के साथ गए थे। इस इंस्टिट्यूट ट्रिप में एक आधुनिक सबस्टेशन की विभिन्न विधियों से अवगत कराया गया। स्काफ़ा सिस्टम, ट्रांसमिशन सिस्टम में लगातार मॉनिटरिंग एवं किसी भी

तरह के फाल्ट के दौरान उसे स्वयं ठीक करके अनवरत सप्लाई देना सुनिश्चित करता है। ट्रांसमिशन सिस्टम में ग्राउंड वायर की जगह ऑप्टिकल फाइबर का उपयोग किया जाता है जो की कम्प्यूटेशन के लिए भी उपयोग में आता है। औद्योगिक दौर में छात्र 400 किलो वॉल्ट सबस्टेशन के इरेक्शन, चार्ज, नियमित संचालन, कामकाज और रखरखाव संचालन सहित विभिन्न नई चीजें सिखने को मिली हैं। अति आधुनिक उपकरण जैसे के बैकयूम सर्किट ब्रेकर, एस.फू 6 सर्किट ब्रेकर आदि के बारे में भी जानकारी उल्लब्ध कराई गयी।

कई मायनों में फायदेमंद है नवीन शिक्षा नीति: डॉ.दीक्षित



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विभाग व इंस्टीट्यूशनल इनोवेशन काउंसिल के संयुक्त तत्वाधान में हुई वाद विवाद प्रतियोगिता में छात्रों को नवीन शिक्षा नीति के फायदों के बारे में बता रहे थे। इस अवसर पर प्रो. निखिल पालीवाल सहित द्वितीय वर्ष के छात्र आदित्य प्रताप सिंह, युक्ति, ऋषभ सिंह, सीर्य निगम, नितिन, मोहिनी आदि की सहभागिता रही।

नवीन शिक्षा नीति कई मायनों में फायदेमंद और अपने आप में विशिष्ट है। समय के साथ इस नीति के लाभ छात्रों को दिखाई देंगे। यह बात एमआईटीएस के इलेक्ट्रिकल विभाग डॉ.शिशिर दीक्षित ने कही। वह राष्ट्रीय शिक्षा दिवस के उपलक्ष्य में संस्थान के इलेक्ट्रिकल इंजीनियरिंग

एमआईटीएस में वर्कशॉप कॉरियर विकास के लिए सहायक है आईईईई



पत्रिका प्लस @ ग्वालियर. एमआईटीएस के इलेक्ट्रिकल इंजीनियरिंग विभाग और आईईईईई पीईएस की ओर से वर्कशॉप हुई। कार्यक्रम में आईईईईई (इंजीनियरिंग) पीईएस केरल चैप्टर के डॉ. बॉबी फिलिप्स और आइआईटी कानपुर के विनीत विजयन शामिल हुए। उन्होंने छात्रों एवं शिक्षकों के कॉरियर विकास के लिए आईईईईई और आईईईईई पीईएस के लाभ बताए। कार्यक्रम में डॉ. मनीष दीक्षित उपस्थित रहे।

विक्रांत विश्वविद्यालय में अतिथि व्याख्यान आयोजित

सत्ता सुधार ■ ग्वालियर

विक्रांत विश्वविद्यालय के स्कूल ऑफ इंजीनियरिंग एण्ड टेक्नोलॉजी एवं आई.आई.सी. के तत्वाधान में नेशनल टेक्नोलॉजी-डे के अवसर पर छात्रों हेतु "रीसेन्ट एडवांसमेंट इन साइंस एण्ड टेक्नोलॉजी विषय पर एकदिवसीय अतिथि व्याख्यान का आयोजन किया गया। इस आयोजित व्याख्यान में प्रो. कौशल प्रताप सेंगर, असिस्टेंट प्रोफेसर, एम.आई.टी.एस., ग्वालियर को आमंत्रित किया गया। विक्रांत विश्वविद्यालय के



वाइस चांसलर डॉ. मनीष श्रीवास्तव ने आमंत्रित विशेषज्ञ का पुष्पगुच्छ एवं स्मृति चिन्ह देकर स्वागत किया। इस व्याख्यान में डॉ. कौशल प्रताप सेंगर ने इलेक्ट्रिकल व्हीकल, स्मार्ट ग्रिड एवं तकनीकी में हो रहे नये नये नवाचार के बारे में छात्रों को अवगत कराया। उन्होंने नेशनल टेक्नोलॉजी डे के बारे में भी छात्रों को विस्तारपूर्वक बताया। इस अवसर पर विक्रांत विश्वविद्यालय की

वाइस चांसलर डॉ. मनीष श्रीवास्तव ने आमंत्रित विशेषज्ञ का पुष्पगुच्छ एवं स्मृति चिन्ह देकर स्वागत किया। इस व्याख्यान में डॉ. कौशल प्रताप सेंगर ने इलेक्ट्रिकल व्हीकल, स्मार्ट ग्रिड एवं तकनीकी में हो रहे नये नये नवाचार के बारे में छात्रों को अवगत कराया। उन्होंने नेशनल टेक्नोलॉजी डे के बारे में भी छात्रों को विस्तारपूर्वक बताया। इस अवसर पर विक्रांत विश्वविद्यालय की

पेज 1 के शेष

भारत में 17 जनवरी...

गणना में पांच महामारियों का जिक्र प्रो.अरुण कुमार वाध्वानी ने इसकी गणना में विश्व की पिछली पांच महामारियों का भी जिक्र किया है। ये भी हेगमन डिस्टेंस और फजो लॉजिक के अनुसार ही हुई थीं। इनमें ब्लैक डेथ (1346-1353), द ग्रेट फ्लेज ऑफ मार्सआइल (1720-1723), द फर्स्ट कोलेरा पैडामिक (1817-1824), स्पेनिश फ्लू (1918-1920) और स्वाइन फ्लू (2009-2010) शामिल हैं।

17 जनवरी को बृहस्पति ग्रह शनि एवं राहु के मध्य आ जाएगा: यह गणना बृहस्पति ग्रह की राहु, केतु, शनि तथा नेपच्यून ग्रह से हेगमन डिस्टेंस से की गई है। इसमें यह देखा गया है कि जब भी बृहस्पति ग्रह, केतु एवं शनि या शनि एवं राहु या शान एव नेपच्यून या नेपच्यून एव राहु क साथ संयोग हो तो महामारी आती है। 17 जनवरी-2023 में बृहस्पति ग्रह शनि एवं राहु के मध्य आ जाएगा तथा 18 फरवरी-2023 से बृहस्पति ग्रह नेपच्यून ग्रह के साथ संयोग करेगा। 28 मई-2023 को बृहस्पति ग्रह राहु से आगे निकल जाएगा, उस समय एनएफपीआई 0.1 हो जाएगा, तब महामारी समाप्त होना प्रारंभ हो जाएगी। एनएफपीआई जब 0.5 से अधिक होता है, तब महामारी का पीक प्रारंभ होता है।

नवंबर-2023 कोरोना मुक्त होगा भारत: गणना के अनुसार 1 नवंबर-2023 को राहु एवं बृहस्पति दोनों अलग हो जाएंगे। तब जाकर एनएफपीआई 0.001 होगा और उस समय भारत पूर्ण रूप से कोरोना मुक्त होगा।

दो दिवसीय अंतर्राष्ट्रीय छात्र सम्मेलन का हुआ समापन

एमआईटीएस में 23 शोधार्थियों ने अंतिम दिन पढ़े शोध पत्र

नगर संवादक

ग्वालियर। माधव इंस्टीट्यूट ऑफ ग्लोबल स्टडीज (एमआईटीएस) में आयोजित शोधार्थियों और शिक्षकों के अंतर्राष्ट्रीय छात्र सम्मेलन का अंतिम दिन प्रस्तुत किए गए 23 शोध पत्रों के सच अंश प्रकाशित कराए जा रहे हैं। दो दिवसीय सम्मेलन में कुल मिलाकर 61 शोध प्रस्तुत किए गए। अंतर्राष्ट्रीय छात्र सम्मेलन अंतर्राष्ट्रीय छात्र सम्मेलन के अंतिम दिन प्रस्तुत किए गए 23 शोध पत्रों के सच अंश प्रकाशित कराए जा रहे हैं।



छात्रों ने अपने शोध, शोधकर्ताओं, शिक्षकों और सम्मेलन के संयोजकों के बीच बातचीत करने का मौका पाया।

में कुल 61 शोध पत्र प्रस्तुत किए गए हैं, जो विभिन्न विषयों पर अलग-अलग हैं। इनमें से कुछ कि प्रस्तुत अंतर्राष्ट्रीय छात्र सम्मेलन के अंतिम दिन प्रस्तुत किए गए हैं। इनमें से कुछ कि प्रस्तुत अंतर्राष्ट्रीय छात्र सम्मेलन के अंतिम दिन प्रस्तुत किए गए हैं।

सम्मेलन में छात्रों को एक मंच प्रदान किया है, जहां वे अपने शोध पर प्रस्तुत करने के लिए आ सकते हैं। इससे छात्रों को अपने शोध पर प्रस्तुत करने का मौका मिलता है।

रिसर्च: ग्वालियर के प्रोफेसर ने पहले ही किया था दावा भारत में 17 जनवरी से 13 अप्रैल के बीच आएगी कोविड की अंतिम लहर

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ग्वालियर, चीन में एक बार फिर कोविड की लहर कहर बरपा रही है। इससे भारत में भी इस महामारी को लेकर चिंता बढ़ गई है और सरकार ने इसको लेकर सतर्क किया है। इस बीच ग्वालियर के माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) के इलेक्ट्रिकल इंजीनियरिंग विभाग के प्रो. अरुण कुमार वाघवानी ने दावा किया है कि भारत में भी 17 जनवरी से 13 अप्रैल के बीच कोविड की लहर आ सकती है। यह कोविड की अंतिम लहर होगी। ख़ास बात यह है कि इसकी घोषणा उन्होंने सालभर पहले ही कर दी थी।

ज्योतिष साइंटिफिक मॉडल पर आधारित उनका ये रिसर्च पेपर इंटरनेशनल जर्नल ऑफ ज्योतिष रिसर्च में 17 मार्च-2021 को प्रकाशित हो चुका था। ये डब्ल्यूडब्ल्यूडब्ल्यू ज्योतिषजर्नल.कॉम पर ऑनलाइन उपलब्ध है। प्रो.वाघवानी ने इसे ज्योतिष साइंटिफिक मॉडल के आधार पर

18 फरवरी से आएगा पीक..

प्रो.वाघवानी ने इस सिस्टम के आधार पर पूर्व में भारत को प्रथम वैक्सीन में सफलता तथा तीसरी लहर की गणना की थी, जो ब्रिक्स सही साबित हुई थी। इस सिस्टम की गणना के मुताबिक देश में कोरोना की अंतिम लहर 17 जनवरी-2023 से पार हो होगी और 18 फरवरी से इसका पीक शुरू होगा। इस समय नार्मलाइज्ड फजी पैडेमिक इंडेक्स (एनएफपीआई) 0.8 रहेगा तथा 13 मार्च को ये 0.5 पर पहुंच जाएगा। वहीं 28 मार्च को एनएफपीआई 0.1 हो जाएगा।

फजी लॉजिक और हेगमन डिस्टेंस के आधार पर नॉलेज बेस सिस्टम से तैयार किया है।
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फजी लॉजिक और हेगमन डिस्टेंस के आधार पर नॉलेज बेस सिस्टम से मैंने इसकी गणना की है। ये गणना पूर्व में भी एडेप्टिव में ब्रिक्स सटीक रही है, इसके मुताबिक भारत में कोविड की अंतिम लहर का आगमन 17 जनवरी 2023 से 13 अप्रैल 2023 के बीच हो सकता है। मेरा ये रिसर्च पेपर इंटरनेशनल जर्नल ऑफ ज्योतिष रिसर्च में 17 मार्च 2021 को प्रकाशित हो चुका है। इसी सिस्टम के आधार पर मैंने भारत को प्रथम वैक्सीन में सफलता तथा तीसरी लहर की गणना की थी, वह भी सही साबित हुई थी।

प्रो.अरुण कुमार वाघवानी, इलेक्ट्रिकल इंजीनियरिंग विभाग, एमआईटीएस ग्वालियर

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ग्वालियर में एमआईटीएस में आज बहुविषयी और वर्तमान तकनीकी अनुसंधान को लेकर दो दिवसीय अंतर्राष्ट्रीय छात्र सम्मेलन आयोजित हुआ। इसमें मुख्य अतिथि के रूप में भाग लेते संस्थान के सचिव व पूर्व विधायक रमेश अग्रवाल, संस्थान के डायरेक्टर आरके पण्डित और सम्मेलन की समन्वयक डॉ. मंजरी पण्डित।



ग्वालियर 21-05-2023



एमआईटीएस: शोध सम्मेलन में 38 विद्यार्थियों ने पढ़े शोध पत्र

ग्वालियर। माधव इंस्टीट्यूट ऑफ टेक्नोलॉजी एंड साइंस (एमआईटीएस) शनिवार को दो दिवसीय अंतर्राष्ट्रीय छात्र सम्मेलन, बहुविषयी और वर्तमान तकनीकी अनुसंधान शुरू हुआ। कार्यक्रम में मुख्य अतिथि रमेश अग्रवाल, सचिव, सिंधिया इंजीनियरिंग कॉलेज सोसाइटी एवं संस्थान के निदेशक डॉ. आरके पंडित मौजूद थे। कार्यक्रम में वक्ताओं ने कहा कि रिसर्च वही सार्थक है जो समाज में उत्पन्न समस्याओं का प्रासंगिक हल प्रदान करने में सक्षम हो। इस छात्र शोध सम्मेलन की समन्वयक डॉ. मंजरी पंडित, डॉन एकेडमिक्स, डॉ. मनीष दीक्षित, जसल चैयर, उपाध्यक्ष, आईआईएएमपी सेक्शन भी कार्यक्रम में मौजूद थे। डॉ. मनीष दीक्षित ने बताया कि इस अंतर्राष्ट्रीय छात्र शोध सम्मेलन में तकनीकी क्षेत्र से जुड़ी विभिन्न ब्रांचों में शोध कार्य की संभावनाओं को ध्यान में रखते हुए मार्गदर्शन किया जाएगा। कुल 61 छात्रों ने रजिस्ट्रेशन कराया जिनमें 38 ने शोध कार्य प्रथम दिन प्रस्तुत किए। शनिवार को 23 छात्र अपने शोध कार्य को प्रस्तुत करेंगे।



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