BANSAL INSTITUTE OF SCIENCE & TECHNOLOGY, BHOPAL

Annual Report

2023-24

Vision

To become a front-runner in bringing out globally competent innovators, researchers, and entrepreneurs and thereby contribute value to the knowledge-based economy and society.

Mission

- To impart quality education and enhance skills for developing globally competent professionals.
- To provide suitable forums to enhance the creative talents of students and faculty members.
- To enable students to develop skills to solve complex technological problems of current times and also provide a framework for promoting collaborative and multidisciplinary activities.
- To inculcate moral and ethical values among the faculty and students.

Institute Level Activity

GARBA NIGHT AT BGI –
A FEST OF DEVOTION, DANCE, MUSIC, FUN & FOOD

The BGI family celebrated the spirit of Navratri on October 21, 2023, with a night of Garba dancing. The event was held on the BGI campus and was attended by staff and students alike.

The event was a huge success, with everyone coming together to enjoy the music, dancing, and festive atmosphere. The Cultural Club of BGI put on a spectacular show, with beautiful decorations and traditional Garba music.

Staff and students danced the night away, dressed in their finest traditional attire. The energy in the room was electric, and everyone had a wonderful time celebrating Navratri.

The event was a testament to the diversity and vibrancy of the BGI community, and it was a heartwarming sight to see everyone coming together to celebrate their culture.

The Cultural Club of BGI deserves special praise for organizing such a successful event. The club put in a lot of hard work and dedication, and it showed. The event was well-planned and executed, and it was a joy to attend.The BGI Garba dance was a reminder of the importance of community and culture. It was a night of fun, laughter, and celebration, and it will be cherished for years to come.

SWAWLAMBI BHARAT ABHIYAN –
A MISSION TO MAKE THE YOUTH SELF-RELIANT

BIST, Bhopal in association with Swadeshi Jagran Manch, held an enlightening seminar on "Aatm-Nirbhar Bharat" on 10th August 2023, which emphasized on the self employment, start-ups and entrepreneurship.

The eminent guest and speaker of the session was Shri Satish Kumar ji, National Co-Organizer, Swadeshi Jagran Manch. He guided the students on how they can be self dependent and why is it the demand of the hour. He motivated the students to be passionate, hard working, reliable, techno savvy, risk taker and inspired them to earn while they learn. He ignited them to think new, think big

and think out of the box. He also persuaded them to be Job providers rather than Job seekers and encouraged them to opt for products that are made in India and avoid foreign goods. It was an absolute eye opening and beneficial session for today's youth who is struggling for the jobs.

PLANTATION DRIVE BY BANSALITES
MISSION MERIife – ONE STUDENT, ONE TREE

The members of NSS & NCC wings of the institute initiated a green campaign through tree plantation on 11th August 2023. Students along with the dignitaries of BGI planted plant saplings at various places in the KOKTA campus. The presence and involvement of honorable Joint Secretary Dr. Sanjay Jain sir and Director BIRTS Dr. Manish Manoria Sir added more power to this green initiative.

MUSICAL ACTIVITY FOR STAFF MEMBERS – A PERFECT BREAK FROM A REGULAR ROUTINE

To celebrate and embrace the monsoon spirit, the faculties and staff of BIST, along with the respected director Dr. Damodar Tiwari, engaged in the enchanting musical activity, "SURMAI SAWAN". The event generated charming and rejuvenating vibes in the air, and everyone got refreshed amidst the daily official work. Staff members were divided in two teams and an entertaining competition was held on the day. The winning team was awarded by the director of the institute.

77th INDEPENDENCE DAY CELEBRATION AT KOKTA CAMPUS
INTO THAT HEAVEN OF FREEDOM – LET MY COUNTRY AWAKE

15th August 2023, marked the 77th Anniversary of India's independence. The celebration of our independence at Bansal Group of Institutions was epic and filled with pure patriotic vibes. Honorable Chairman of BGI, Shri Anil Bansal hoisted the flag at BGI, Kokta campus and his wife Mrs. ParulBansal embellished the occasion with her presence. All the directors of BGI kokta campus along with respected Joint Secretary of BGI, Dr. Sanjay Jain paid tribute to the nation's Independence Day.

Students of NCC and NSS marched rhythmically on the drum beats and saluted the tricolor, thereafter tiny toddlers of Sushila Devi Bansal School performed adroitly on the patriotic songs. Entire environment was immersed into patriotism and the event was a remarkable one.

MATDATA JAGRUKTA PROGRAM HELD AT BGI
MINDFUL VOTERS MAKE POWERFUL NATION

The members of NSS organized a Voter Awareness program on 25th August 2023 in the BIST Auditorium. Mr. Ashish Singh, Collector & District Magistrate, Bhopal graced the event as a chief guest. The other distinguished guests of the event were Mr. Rituraj (Upper collector, Bhopal), Mr. Ritesh Sharma and Mr. Sandeep Kumar. Honorable Joint Secretary, Dr. Sanay Jain, presented mementos to all guests. As most of our students would be going to cast their votes for the first time, the session was very informative for them.

TEACHERS' DAY CELEBRATION
GRATITUDE PROGRAM ORGANIZED ON TEACHER'S DAY

On September 5, 2023, BIST celebrated Teachers' Day, one of the most important days in the field of education. The institute organized a small program to impart the value of gratitude among students and to pay tribute to late Dr. H.B. Khurasia, former Group Director, BGI. The program featured a variety of performances by students, such as songs, dances, and poems. The performances were all themed around gratitude, and they expressed the students' appreciation for their teachers. The highlight of the program was a special tribute to late Dr. H.B. Khurasia. Dr. Khurasia was an inspiration to generations of students and faculty at BGI. He was a visionary leader who played a key role in the growth and development of the institute. The Teachers' Day celebration at BIST was a heartwarming event that celebrated the contributions of teachers to society. The tribute to late Dr. H.B. Khurasia was a fitting reminder of his legacy and his impact on the lives of countless students and faculty members.

SMART INDIA HACKATHON FOR SMARTER GENERATION

The Bansal Institute of Science and Technology (BIST) in Bhopal organized a two-day internal hackathon from 27th September to 29th September. The event saw 42 teams from different departments present their ideas on problems related to Medical, Agriculture, Heritage & Rural Development, Smart Education, Disaster Management, etc.

On the first day of the hackathon, the judges assessed the students' approach and provided feedback. On the second day, the students implemented the judges' suggestions and presented their final projects. The team with the best project was nominated for the Smart India Hackathon-2023, a national competition that challenges students to solve real-world problems using technology.

Dr. Sanjay Jain, Joint Secretary, BGI and Dr. Damodar Tiwari, Director of BIST, congratulated the students for their participation and enthusiasm. The BIST Internal Hackathon proved to be a testament to the institute's commitment to fostering innovation and creativity among its students. The event provided students with the opportunity to learn new skills, work on real-world problems, and

collaborate with their peers. The institute's nomination for the Smart India Hackathon-2023 is a matter of great pride and shows the potential of BIST students to make a difference in the world.

ACADEMIC AWAKENING: 'DEEKSHARAMBH' – A JOURNEY TO SCHOLARLY EXCELLENCE

The long-anticipated five-day initiation rite for our neophyte matriculates, christened "Deeksharambh," unfurled from September 11th to September 15th. Several events and sessions were held during these 6 days of "Deeksharambh". These carefully orchestrated events were intricately designed to ensure that each freshman is enveloped by a welcoming embrace, oriented comprehensively, and fortified with the confidence to ardently seize the academic adventure that lies ahead. The potency of "Deeksharambh" lies in its innate capacity to engender connections. Freshmen are not merely endowed with academic sagacity but are also vigorously exhorted to cultivate fraternal bonds with their peers. Through ice-breaking sessions, collaborative enterprises, and culturally enriching activities, fledgling scholars initiate enduring companionships, embarking collectively on a voyage of personal evolution and exploration.

Our institution's stewardship left no stone unturned in conferring a nurturing ecosystem. Throughout the "Deeksharambh" odyssey, students were introduced to the copious repository of institutional resources, including bibliotheca, laboratories, and extracurricular guilds. They were also apprised of the comprehensive gamut of student support services, catering to both scholastic and personal exigencies. As we eagerly anticipate the forthcoming academic year, we acknowledge that the sagacity imbibed and the bonds forged during "Deeksharambh" shall stand as the bedrock for the prospective triumphs and individual growth of our nascent scholars.

ENGLISH CLUB AT BIST BHOPAL HOLDS INVESTITURE CEREMONY

The English Club at BIST Bhopal held its investiture ceremony on September 15, 2023, to mark the beginning of its new academic session and to welcome its new council members. The ceremony was held in the gracious presence of Dr. Sanjay Jain, Joint Secretary, BGI, and Dr. Damodar Tiwari, Director, BIST.

The English Club was established on September 8, 2022, with the motive of enhancing the English language skills of students and providing them with an environment to develop their language. The club organizes a variety of events and activities throughout the year, such as debates, extempore speeches, poetry recitation competitions, and creative writing competitions.

Dr. Sanjay Jain, in his address, congratulated the new council members and urged them to work hard to uphold the values of the club. He also emphasized the importance of the English language in today's world and encouraged the students to make the most of the opportunities offered by the English Club. The ex president of the club administered the oath of office to the new council members. The students pledged to work diligently to promote the English language and to create a supportive and inclusive environment for all club members.

The investiture ceremony of the English Club was a successful event that marked the beginning of a new era for the club. The English Club is a valuable addition to the BIST community, and it is providing students with an opportunity to learn and grow in a fun and supportive environment.

CREATIVE WORKSHOPS ORGANIZED BY WASTE TO WONDER CLUB
CLAY MODELING & DANDIYA STICKS MAKING WORKSHOP

The BGI Waste to Wonder Club, a new club at BIST that aims to promote sustainability and creativity through waste management, started its first club activity on September 29, 2023, with a workshop on clay idol making. The workshop was held with the blessings of Lord Ganesha, and it was a huge success.

The workshop was open to all students at campus, and it was a great opportunity for students to learn about clay idol making and to express their creativity. At the end of the workshop, the students displayed their clay idols in a gallery. The idols were judged by a panel of experts, and the winners were awarded prizes.

Another workshop was held on 13th October, which focused on designing and selling the dandiya sticks. All the students of the campus participated enthusiastically and were happy to earn profits on their self madedandiya sticks.The BGI Waste to Wonder Club is a great example of how students at BIST are coming together to make a difference in the world.

GRAND INAUGURAL AND INVESTITURE CEREMONY OF VARIOUS CLUBS AT BIST

BIST held its annual Club Investiture Ceremony on October 14, 2023, in the gracious presence of Dr. Sanjay Jain, Joint Secretary, BGI, and Dr. DamodarTiwari, Director, BIST.

The students pledged to work diligently to promote the values of their clubs and to create a supportive and inclusive environment for all club members.

The ceremony also included the distribution of badges to the new club presidents and vice presidents, as well as the distribution of badges to the class representatives of the first year students.

The gathering was also briefed about the upcoming club activities and roles and responsibilities of club members and class representatives.

A total of 13 clubs were inaugurated at the ceremony, namely:

EDC Club
Coding Club
GDSC Club
Urja Club
Sports Club

IPR Club
Cultural Club
Automation Club
Innovation Club
Waste to Wonder Club
Digital Club
English Club
Discipline Club

The investiture ceremony was a successful event that marked the beginning of a new academic year for the BIST clubs. The presidents, vice presidents, and CRs are all enthusiastic and committed to working hard to make their respective clubs a success. The BIST clubs play an important role in providing students with opportunities to develop their skills and talents, and the investiture ceremony is a reminder of the importance of clubs in the institute.

STUDENTS LEARNED ABOUT THE ETHICS OF GROUP DISCUSSION

BIST conducted a workshop on the Ethics of Group Discussion for students of the 3rd and 5th semesters on October 10, 2023. The workshop was led by Prof. Toshiba KohliKhare, the institute's communication skills trainer. The workshop covered a variety of topics, including the importance of ethics in group discussion, common ethical dilemmas that arise in group discussions, and strategies for resolving these dilemmas in a fair and ethical manner. Prof. Khare also discussed the importance of active listening, respectful communication, and open-mindedness in group discussions. She emphasized the need for all participants to contribute to the discussion and to value the opinions of others.

The workshop was well-received by the students, who found it to be informative and insightful.

MEGA TRAINING DRIVES AT BIST

With the motive of student development, Bansal Institute of Science & Technology conducted a 7 days training program, from 7th August to 14th August 2023, for the students of 3rd and 5th Semesters of all the branches. CSE & IT Departments trained the students on C, C++ and oops.

BGI FAMILY RINGS IN NEW YEAR WITH FUN & FESTIVITIES: CELEBRATING 2024

As the first rays of 2024 bathed the campus of BIST in a hopeful glow, the air crackled with a different kind of energy. Gone were the usual academic rigors; instead, the campus pulsated with a joyous celebration of the new year on January 2nd. As balloons soared gracefully and ceremonial lamps flickered to life, dignitaries set the tone with motivational speeches, igniting a spark of optimism and hope for the year ahead.

Shedding their everyday personas, teaching and non-teaching staff alike transformed into enthusiastic participants in a whirlwind of fun games and activities. From the heart-pounding adrenaline rush of a chair race to the lighthearted competition of a tug-of-war and the delicate skill of the spoon marble race, each moment resonated with camaraderie and playful spirit.

Beyond the thrill of the games and the infectious good humor, the day served as a poignant reminder of the strength and resilience of the Bansal Institute family.

BIST STUDENTS SPARK BRILLIANCE AT ENGLISH CLUB'S "BATTLE OF MINDS" COMPETITION

The BIST English Club hosted a thrilling Battle of Minds event on January 10th at the BIST auditorium, igniting the intellectual flames of students across branches.

The event featured two exciting competitions: a presentation competition for first-year B.Tech students as part of their module, and a debate competition open to all BIST students.

The presentation competition saw enthusiastic participation from students of seven different branches, showcasing their research and communication skills. Team CSE-A emerged victorious, followed by CSE-B and CSE-C/EX in a close second and third place respectively.

The debate competition, fueled by the thought-provoking topic "AI: Help or Harm to the World?", witnessed eight finalists battling it out for two coveted trophies. Neha Yadav, a first-semester B.Tech student from the CSE-AIML branch, impressed the judges with her compelling arguments, securing the first prize. Abhishek Sharma, a B.Tech CSE student in his sixth semester, took home the second prize.

The event was graced by the esteemed presence of MD Mr. Parth Bansal Sir and Dr. Damodar Tiwari sir, Director BIST. MD sir's inspiring words encouraged the students to continue honing their critical thinking and communication skills. The event's legacy is sure to inspire future generations of BIST to engage in meaningful activities like these.

BANSAL GROUP OF INSTITUTES CELEBRATES 75TH REPUBLIC DAY WITH PATRIOTISM AND JOY

The Bansal Group of Institutes (BGI) reverberated with patriotic fervor on Friday, January 26th, 2024, as the institute celebrated the 75th Republic Day of India. Er. Sunil Bansal, Secretary of BGI, and his wife, Mrs. Pooja Bansal, graced the occasion as the esteemed chief guests. The atmosphere was filled with pride and excitement as Er. Bansal hoisted the National Flag, drawing enthusiastic cheers from the assembled students, faculty, and staff.

A vibrant parade, led by NCC and NSS students, marched in perfect unison to the beat of drums, showcasing the spirit of discipline and service. The air resonated with patriotic songs and chants, further amplifying the celebratory mood. The little ones from Sushila Devi Bansal School stole the show with their heartwarming and energetic dance performances, adding a touch of innocent charm to the festivities. Students from BGI displayed their incredible talents through soulful singing, heart touching drama and mesmerizing dances, each act brimming with love for their nation.

To acknowledge the dedication and achievements of the NCC and NSS cadets, a special award ceremony was held. Recognizing their commitment to community service and national well-being, cadets were presented with prizes that served as a token of appreciation for their outstanding contributions. The event concluded with the sweet distribution, adding a delightful touch to the celebrations and leaving everyone with a taste of unity and shared joy. It was a day of national pride, cultural expression, and a renewed commitment to serve the nation.

BIST CELEBRATES NATIONAL SCIENCE DAY WITH EXHIBITION HIGHLIGHTING INDIGENOUS TECHNOLOGIES

The Bansal Institute of Science and Technology (BIST) hosted a captivating National Science Day exhibition on February 27th, 2024. The event, co-organized by the National Council for Science and Technology Communication (NCSTC) and the Madhya Pradesh Council of Science and Technology (MPCST), showcased the marvels of scientific ingenuity with a focus on the theme "Indigenous Technologies for Viksit Bharat".

The exhibition buzzed with the wonders of working projects and insightful presentations. Visitors were treated to a glimpse of the future of science, where homegrown technologies will play a crucial role in shaping a developed India. The projects on display undoubtedly sparked curiosity and ignited a passion for scientific exploration among students.

BIST RINGS IN SPRING WITH VIBRANT VASANT PANCHAMI CELEBRATIONS

Bansal Institute of Science and Technology basked in the joy of spring as they celebrated Vasant Panchami with great enthusiasm on February 14th, 2024. Students and faculty members came together to honor Goddess Saraswati, the embodiment of knowledge, wisdom, and the arts.

The atmosphere buzzed with a shared love for learning and creativity. A special puja ceremony was held to worship Goddess Saraswati, seeking her blessings for academic success and artistic pursuits.

CELEBRATION OF INNOVATION, SPORTSMANSHIP, CULTURE AND TALENT AT "BANSALOTSAV-2024"

The Bansal Institute of Science and Technology (BIST) recently hosted its annual extravaganza, "Bansalotsav," from February 21st to 24th. The four-day fest was a vibrant celebration of technical prowess, sporting spirit, and cultural vibrancy. The event was divided into three distinct segments: technical events, sports competitions, and cultural showcases.

The technical segment offered a platform for students to exhibit their problem-solving skills and engineering ingenuity. Activities like debugging challenges, quiz competitions, LAN gaming tournaments, and robotic soccer matches tested the minds and technical know-how of participants.

Students also showcased their creativity through events like filmmaking, mobile photography competitions, and design presentations using AutoCAD.

The sporting arena saw a flurry of activity with gully cricket matches, kabaddi clashes, badminton rallies, volleyball games, and thrilling tug-of-war contests. Chess and carrom tournaments offered a chance for strategic minds to compete.

The cultural events provided a stage for students to express their artistic talents. Solo singing and dance performances enthralled the audience. Group dances added a vibrant energy to the celebration. Artistic flair was on display through wall painting competitions, intricate rangoli designs, face painting booths, and a dazzling fashion show.

Bansalotsav served as a melting pot of intellectual curiosity, athleticism, and artistic expression. The fest provided an opportunity for students to connect, showcase their talents, and create lasting memories.

BGI's ALUMNI REUNITE IN HEARTWARMING MEET

Laughter filled the BIST auditorium at Bansal Group of Institutes' Kokta campus on December 25th, 2023, as alumni from various batches came together for a nostalgic and heartwarming reunion. The event was more than just a get-together; it was a chance to relive college memories, rekindle friendships, and celebrate individual successes. Honourable Secretary, BGI, Mr. Sunil Bansal graced the occasion with his charming presence, setting the tone for a memorable evening. Former directors also joined the festivities, adding a touch of history and shared experiences to the event. The event flowed from heartfelt speeches to lively musical performances, each element infused with a sense of shared history and camaraderie. It was a journey down memory lane, where classrooms came alive once more, filled with the echoes of professors' lessons and the clinking of teacups in the canteen.

But the alumni meet wasn't just about looking back. It was a platform for networking, for forging new connections and rekindling professional relationships. Success stories unfolded as graduates, now established professionals in diverse fields, shared their journeys and inspired the next generation. As the day drew to a close, a renewed sense of belonging lingered in the air. The Bansal Group of Institutes' alumni meet wasn't just an event; it was a reaffirmation of the bonds forged within these walls, a reminder that the BIST family extends far beyond graduation day.

WOMEN'S EMPOWERMENT CELL TACKLES HEALTH CONCERNS WITH EXPERT TALK

In a proactive move to address rising health concerns among women, the Women's Empowerment Cell, BIST hosted a vital session focusing on ownership and awareness. The event, held on November 7th, 2023, at 1:00 PM in Room No. 202 (BIST), featured renowned gynecologist Dr. Priya Bhave Chittawar, an obstetrician and gynecologist at Bansal Hospital Bhopal. Convened by Ms. Swati Sinha, the session served as a platform for Dr. Chittawar to engage in an insightful discussion on the growing impact of lifestyle choices and lack of awareness on women's health. Highlighting the importance of proactive healthcare measures, Dr. Chittawar emphasized the need for women to prioritize their well-being and take ownership of their health needs. This interactive approach underscored the event's success in empowering women to become active participants in their own healthcare journey.

BIST, IN COLLABORATION WITH IIC, HOSTS EXPERT TALK ON ESSENTIAL SKILLS FOR IT PROFESSIONALS

On December 2nd, 2023, the Bansal Institute of Science and Technology (BIST) partnered with the Institution Innovation Council (IIC) to host an insightful expert lecture for IT professionals titled "Essential Skills and Knowledge for Success." The session, which spanned two engaging hours, featured Dr. Dharmendra Singh Rajput, Professor at the School of Computer Science Engineering & Information System at VIT-Vellore, Tamil Nadu, as the keynote speaker. Dr. Rajput's expertise transcended the classroom, captivating the audience of around 20 teachers and 100 students with his practical advice and guidance. He shed light on how to refine programming skills, navigate the intricacies of research activities, and conquer the mental hurdles that often impede progress. His focus on mental barriers resonated with the aspiring professionals, reminding them that self-belief and mental strength are just as crucial as technical skills in the IT domain. The session wasn't solely focused on theoretical knowledge. Dr. Rajput delved into the practical aspects of research funding, providing valuable insights into various project grants and sponsorship opportunities available to researchers in the field. This information proved invaluable for students and early-career professionals seeking to embark on research journeys.

BIST HOSTS THRIVING WORKSHOP ON VIRTUAL LABS IN COLLABORATION WITH IIT DELHI

Over 400 eager students at Bansal Institute of Science & Technology (BIST) had the exciting opportunity to delve into the world of virtual labs on December 4th, 2023. The workshop, organized in association with IIT Delhi, aimed to provide an in-depth look into the Learning Management System (LMS) surrounding virtual labs. Gracing the event as guest speakers were renowned figures from IIT Delhi: Mr. Prateek Sharma, Outreach Program Coordinator, and Mr. Chirag Dey, Senior Field Engineer. Dr. Shital, Nodal Center Coordinator V-Labs at BIST, expertly coordinated the workshop, ensuring a smooth and engaging session. From interactive video lectures and animated demonstrations to comprehensive web-resources and self-evaluation tools, the platform empowers students and teachers alike to embark on a dynamic learning journey.

CODICTIVE 2.0: A THRILLING SHOWCASE OF INNOVATION AT STATE-LEVEL HACKATHON

On 25th April 2024, the BIRTS Seminar Hall became a hub of innovation as it hosted CODICTIVE 2.0, a state-level hackathon organized in association with Coding Thinker. Out of 63 registered teams, 58 participated, bringing forth their best coding skills. The competition was intense, with Team Hyradroids from LNCT clinching the top spot. Nimbus 2024 from BIST and MediTech from LNCT secured the 1st and 2nd Runner-Up positions, respectively.

Chief Guest Mr. Parth Bansal, MD of BGI, applauded the participants' creativity and technical prowess. The event was streamed live on YouTube, allowing a broader audience to witness the ingenuity on display. Coordinated by Prof. Priyanka Sharma and Prof. Sana Khan, CODICTIVE 2.0 highlighted the potential of future tech leaders in an unforgettable event.

ONE WEEK WORKSHOP: WEEK-LONG WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS

The Department of Mechanical Engineering at BIST Bhopal, hosted a week-long workshop on Intellectual Property Rights, from 04th to 09th March 2024, sponsored by the Madhya Pradesh Council of Science and Technology. Inaugurated by Chief Guest Shri Vikas Shende, Principal Scientist, the event provided crucial insights into protecting inventions and copyrights.

BIST SECURES 2ND RANK IN MP FOR VIRTUAL LABS USAGE, RECOGNIZED AS NODAL CENTER

Bansal Institute of Science and Technology (BIST) has received a Certificate of Appreciation from Virtual Labs, IIT Delhi, for achieving 2nd rank in Madhya Pradesh for Virtual Labs usage (January–June 2024). This recognition highlights BIST's commitment to integrating technology with education and fostering digital learning. Led by Dr. Shital Gupta, Nodal Coordinator for Virtual Labs, BIST has actively contributed to Virtual Labs for the past three years, significantly enhancing the learning experience for both students and faculty. The institute's leadership and innovation in promoting virtual education have earned it the prestigious status of Nodal Center for Virtual Labs, setting a new benchmark in academic excellence across the state.

RESEARCH ACTIVITIES

Patent Granted/Publications

A patent has been granted to Dr. Piyush Kumar Jain, Assistant Professor of Mechanical Engineering Department under the category of Indian Patent entitled "System to Enhance Heat Transfer Coefficient, and Further Increase in Thermo-Hydraulic Performance of Solar Air Heater"
Application No. 201721006202
Patent No. 438571
Date of Grant: 13 July 2023

A patent has been granted to Dr. Rajesh Gupta, Assistant Professor of MBA Department under the category of UK Design Patent entitled "Device to Calculate Business Requirement."
Design No. 6292359
Date of Grant: 04 July 2023

Dr, Rashmi Singh published a book titled "COMPUTER ARCHITECTURE"; published by STL Academy in 2023.

Dr. Rashmi Singh has published a Book Chapter titled "AI enabled Internet of Medical Things in Healthcare" in the Handbook on " Heterogeneous Computational Intelligence in Internet of Things" by CRC Press, Taylor & Francis Group, U.K. in OCT 2023.

The patent has been granted to Dr. Karuna Nidhi Pandagre, Prof. Raksha Rawat, Prof. Mayuri Soni from MCA Department under the category of Indian Patent entitled "IoT Based Holter Monitoring Device for ECG".

Design No. 403895-001
Date: 05/01/2024

Dr. Preeti Dubey, Head & Assistant Professor Department of MBA has published a Patent entitled " Artificial Intelligence and Machine Learning based approach to predict the preference of target customers for various marketing strategies"
Application No. 202411040782
Date of Publication: 14/06/2024

Paper Publications

Dr. Sheetal Gupta from CSE Department has published a paper entitled "A Hybrid Model for Sentiment Analysis Based on Movie Reviewed Datasets" in a journal namely "International Journal on Recent and Innovation Trends in Computing and Communication".

Decoupled Control of Rotor Side Power Electronic Converter for Grid Connected DFIG Based Wind Energy System

Dr. A.A. Ansari from EX Department has published a paper entitled "Decoupled Control of Rotor Side Power Electronic Converter for Grid Connected DFIG Based Wind Energy System" in a IEEE International Students' Conference on Electrical, Electronics and Computer Science.

Dr. Manoj Soni (Assistant Prof. Department of EC) has published a Research Article entitled "Formability of Aluminum AA5754 Using Electro Hydraulic Forming Process" in a reputed SCI indexed Journal namely Arabian Journal for Science & Engineering (Impact Factor-2.9)

Dr. Mohammad Aslam, Associate Prof. & HOD, Department of EC has published a Research Article entitled "Joint mechanism (Tunneling and Thermionic Emmission) for improved Performance of a Dielectric Modulated Transistor Biosensor" in a reputed SCI indexed Journal namely ECS Journal of Solid State Science & Technology (Impact Factor -2.2)

Dr. Karuna Nidhi Pandagre, Assistant Professor MCA Department has published a Research Article entitled "Deep Learning Techniques for Autonomous Navigation of Underwater Robots" " in a reputed in a **10th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering.**

Dr. Piyush Kumar Jain, Assistant Professor Mechanical Engineering Department has published a Research Article entitled "Investigation of the heat discharge from a solar-powered air heater with distinctive dual arc artificial roughness" in a reputed SCI indexed Journal namely ***Sustainable Energy Technologies and Assessments (Elsevier)***

A Comprehensive Review of Recent Trends in Augmentation Heat Transfer Solar Air Heaters Using Arc-Shaped Ribs

Dr. Piyush Kumar Jain, Assistant Professor Mechanical Engineering Department has published a book Chapter entitled "A Comprehensive Review of Recent Trends in Augmentation Heat Transfer Solar Air Heaters Using Arc-Shaped Ribs" in a reputed publisher **Springer Nature Singapore namely** ***Renewable Energy: Accelerating the Energy Transition.***

Dr. Anoop Pratap Singh, Assistant Professor Mechanical Engineering Department has published a Research Article entitled " Impact of various parameters on the tribological performance of nano lubricants considering oxide nanoparticles in conventional, semi-synthetic, and fully synthetic lube oils" in a reputed SCI indexed Journal namely ***Journal of Dispersion Science and Technology (Taylor & Francis)***

Prof. Toshiba Kohli Kahre, Assistant Professor Training Department has published an Article entitled "Veritable Female Characters in the Novels of Shashi Deshpandey " in a reputed International Journal namely ***International Journal of Research and Analytical Reviews (IJRAR)***

Dr. Piyush Kumar Jain (Head & Assistant Professor Department of ME) has published a Research Article entitled "Material Selection for Optimal Design Using Multi-Criteria Decision Making" in an 3rd International Conference on Advancement in Electronics & Communication Engineering (AECE)

Dr. Praveen Kumar Nigam (Assistant Professor Department of ME) has published a Research Article entitled "Thermal performance analysis of a copper wire ribs roughened solar air heater with a galvanized iron absorber plate" in AIP conference proceeding (SCOPUS)

Dr. Praveen Kumar Nigam & Prof. Kalpana Sachan (Assistant Professor Department of ME) has published a Research Article entitled "Structural analysis of large HAWT blade made by E-glass-fibre and carbon-fibre through CFD" in AIP conference proceeding (SCOPUS)

Prof. N.D. Pal (Assistant Professor Department of ME) has published a Research Article entitled "A Comprehensive Review on Trade-Off Parameters Affecting the Productivity of Solar Sill: Climatic, Design and Operational Parameters" in an international conference INCOME-2023 of Springer.

Prof. Sachin Jain (Head and Assistant Professor Department of Basic Science) has published a Research Article entitled "The Evolution of 3D Printing: Detailed Analysis of Process, Materials and Applications in Modern Manufacturing" in an International Journal of Manufacturing and Materials Processing.

Proficient Philosophies Doctor

Congratulations to Dr. Sheetal Gupta from CSE Department forher PhD Degree awarded from LNCT University on Thesis entitled ***"A Robust Algorithm of Digital Video watermarking using Hybrid Transformation and ELM"***

Congratulations to Dr. Anshu from CSE Department forher PhD Degree awarded from RNTU University Bhopal on Thesis entitled ***"Pattern and Prediction Analysis using Different Data Mining Techniques for Web Usage Data"***

Congratulations to Dr. Pooja Parsai from MBA Department for her PhD Degree awarded from Sri Satya Sai University of Technology and Medical ScienceSehoreon Thesis entitled ***"An Analysis of Demonetization effect on self Help Group Beneficiaries in Sehore"***

Congratulation to Dr. Manoj Soni (Assistant Prof. Department of EC) for his PhD Degree awarded from AcSIR-CSIR AMPRI Bhopal on the Thesis entitled "Effect of design parameters of electromagnetic forming tools for enhanced process performance"

NPTEL Course Certification

The faculties and students of Bansal Institute of Science and Technology, Bhopal have successfully passed the NPTEL examination conducted in the session and received NPTEL certificates under various categories. More than 36 participants have received the NPTEL certificates from different

courses. The Professors of different IIT's gave training on various topics of engineering, management, environment and many more under these NPTEL courses.

Faculty contribution

Students' contribution

NPTEL Online Certification

Elite
NPTEL Online Certification

Elite
NPTEL Online Certification

NPTEL Online Certification

NPTEL Online Certification

NPTEL Online Certification

Elite
NPTEL Online Certification

NPTEL Online Certification

NPTEL Online Certification

NPTEL Online Certification

Elite
NPTEL Online Certification

NPTEL Online Certification
Advanced Machining Processes

NPTEL Online Certificati
Theory of Production Processes

DEPARTMENTAL PARTICULARS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Faculty Development Program Attended

Dr. Anwar Ahamed Ansari and Prof. Laxman Solankee advanced his expertise by attending the five-day FDP program titled "Multi-attribute Fuzzy Time Series Based on Adaptive Expectation" at Vellore Institute of Technology, Chennai, from 11th to 15th June 2023.

Conference Paper Presentations

Dr. Anwar Ahamed Ansari of EX Department has authored the paper entitled " Stability, Control and Protection of Microgrid Technology: A comprehensive Review and Future Outlook" in 2023 IEEE International Conference on Renewable Energy and Sustainable E-Mobility (RESEM 2023) organized at MANIT Bhopal on May 2023. The conference was sponsored by IEEE MP Section.

Dr. Anwar Ahamed Ansari of EX Department BIST Bhopal, has presented the paper entitled "A PF Improved LED Drive using Modified Non-Bridged Cuk Converter" in an International Conference on Smart System for application in Electrical Science (ICSSES 2023) organized by association of Electrical Science SIT Tumakuru in June 2023.

Partners with Shaktisteller Energy Solutions in Landmark MOU

The Department of Electrical and Electronics Engineering at BIST, Bhopal, has signed a pioneering Memorandum of Understanding (MoU) on August 15, 2023 with Shaktisteller Energy Solutions Pvt. Ltd., a leading company specializing in Solar Rooftop, Electric Vehicles, Solar Street Lights, and

Bio-Gas Projects. This landmark collaboration opens a world of opportunities for BIST students, providing them with invaluable hands-on experience, coveted internships, and unparalleled exposure to state-of-the-art technologies in these emerging fields.

Industry Visit at Central Power Research Institute (CPRI), Bhopal

On October 9, 2023, a group of Electrical and Electronics Engineering students from BIST, Bhopal, visited the Central Power Research Institute (CPRI) in Bhopal. The visit was organized by the Department of Electrical and Electronics Engineering as part of its efforts to provide students with hands-on experience and exposure to the latest developments in the power industry. CPRI is a premier national research institute dedicated to the development and application of electrical power engineering technologies. It is also a leading authority on the testing and certification of power equipment. During their visit, the students were given a guided tour of the CPRI facilities, including the high-voltage laboratory, the switchgear testing laboratory, the transformer testing laboratory, and the cable testing laboratory. They also had the opportunity to witness live demonstrations of various types of power equipment testing.

The visit to CPRI was a valuable learning experience for the students. It gave them a firsthand look at the latest technologies and developments in the power industry. It also helped them to understand the importance of testing and certification in ensuring the quality and safety of power equipment.

Industry Visit at Tesla Transformer Global, Bhopal

The Electrical and Electronics Engineering students of BIST visited Tesla Transformer Global in Govindpura, Bhopal on October 28, 2023. The visit was a valuable learning experience for the

students. It gave them a better understanding of the electrical power industry and the role of transformers in it. Students also gained insights into the latest technologies used in transformer manufacturing. The students were very impressed with the facility and the staff. They were particularly interested in learning about the latest technologies used in transformer design and manufacturing. We would like to thank Tesla Transformer Global for hosting our students.

Students Gain Insights into Solar Power and IoT at Solar Shaktisteller

Students from the EX Department at Bansal Institute of Science and Technology (BIST) recently embarked on an educational industrial visit to Solar Shaktisteller Pvt. Ltd. in Bhopal on February 16th, 2024.During the visit, students were exposed to the workings of three ongoing projects, including a pioneering 15 KW Solar Setup in Piplani, Bhopal that utilizes cutting-edge Internet of Things (IoT) technology. This provided them with a unique opportunity to understand how sustainable energy solutions are being integrated with advanced technology.

The visit proved to be a valuable learning experience for the students, equipping them with practical knowledge of solar power systems and the practical applications of IoT in the field of renewable energy.

Prakhar Solution conducted Hands-on Drone Technology Training Program

Prakhar Solution has conducted a certified training program in Drone Technology, that provided students with practical experience and industry expertise. The program was held on February 17th, 2024.

This hands-on program allowed students to gain practical experience flying drones while receiving guidance from professionals in the drone industry.

Alumni Talk: Shishir Sharma - February 10, 2024

Esteemed alumnus Mr. Shishir Sharma, now an Assistant Engineer/Manager at MPMKVVCL Central Discom, returned to our institution on February 10, 2024, to deliver an inspiring alumnus talk.

Mr. Sharma's journey from student to accomplished professional exemplifies the potential and opportunities for growth nurtured by our academic programs. An active contributor to the field of electrical engineering, Mr. Sharma's insights proved invaluable to our current students as they navigate their own career paths.

Students Rev Up Innovation: Build Cost-Effective Electric Vehicle with Impressive Range

In a display of remarkable ingenuity and technical prowess, a team of 7th semester students from the Electronics and Electrical Engineering (EX) department at Bansal Institute of Science and Technology (BIST) has successfully built a cost-effective electric vehicle (EV) that boasts impressive performance. Their creation, aptly named the "BIST Bolt," can zip between 25-30 kilometers per hour and has a remarkable range of 28 kilometers on a single charge. This eco-friendly marvel is powered by eight 28AH batteries and packs a punch with two 1200W Brushless DC (BLDC) motors.

Innovating Tomorrow: IIoT Workshop Ignites Curiosity at BIST Bhopal

On May 25, 2024, the Electrical & Electronics Engineering Department, in collaboration with ARIST Automation Pvt. Ltd., conducted an engaging hands-on workshop on Industrial Internet of Things (IIoT) and Industry 4.0. Students explored advanced technologies, including SCADA systems, PLC integration, IoT sensors, and data analytics. This practical experience significantly enriched their understanding of automation processes, equipping them with essential skills for the evolving landscape of fully automated industries and IoT applications.

Soaring into the Future: Industrial Visit to PRAKHAR Drone Technology Center

On April 3, 2024, EX-IV and EX-VI semester students from the Electrical Engineering Departments at BIST and BIRT visited the Prakhar Drone Technology Center and Flying Zone in Dondi. This enriching experience allowed students to explore the latest advancements in drone technology, focusing on design, operation, and diverse applications. Their hands-on exposure deepened their understanding of the innovations driving the future of aerial systems, inspiring them to engage with emerging technologies.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VIRTUAL LABS

Experience the Practical at Your Finger Tips

To facilitate the students with the latest technologies, Bansal Institute of Science and Technology organized an online workshop on "Virtual Labs", on 2nd May 2023 in the BIST auditorium. The workshop was held in association with IIT Delhi. The workshop aimed to bridge the gap between traditional laboratory experiments and the virtual world, exploring the immense potential of virtual labs in scientific research and education. Renowned experts and faculty members from IIT Delhi spearheaded the event, sharing their insights and experiences in developing and utilizing virtual labs effectively. Participants were introduced to cutting-edge technologies, simulations, and interactive platforms, empowering them to conduct experiments remotely and gain practical knowledge in a simulated environment.

Pedagogic Seminar on Web Application Development

We at BGI always thrive to make our students be industry ready. Keeping this in mind, the CSE department organized an educative seminar on Web Application Development on 18th May 2023, in the BIST auditorium. The seminar provided a platform for attendees to delve into the intricacies of

web application development. Harsh Sharma, known for his expertise in the field, captivated the audience with his in-depth knowledge and practical experiences. He shared the latest trends, techniques, and best practices in web application development, covering topics such as front-end frameworks, back-end technologies, and database integration. The seminar fostered interactive discussions, where participants had the opportunity to ask questions, seek guidance, and exchange ideas. Harsh Sharma's passion for teaching and his ability to simplify complex concepts made the seminar an enriching experience for all.

GDSC– A Club to Facilitate Developers

The "Google Developer Student Club" has been established at Bansal Institute of Science & Technology, Kokta, Bhopal for which our 5th-semester student from the Computer Science & Engineering branch, Mr. Anuj Raghuvanshi has been selected as a Lead, by Google. The inaugural ceremony of the club was held on 25th August 2023 in the gracious presence of Honorable Joint Secretary Dr. Sanjay Jain and Director BIST Dr. Damodar Tiwari along with the heads of the departments. A coding competition was also held, by the coding club on this occasion.

Memory Booster Dose Given to Students

The Department of Computer Science and Engineering, BIST, organized a seminar on "Boost Your Memory Power and Conquer Those Competitive Exams!" on September 29, 2023. The seminar was aimed at helping students improve their memory and concentration skills, as well as learn effective strategies for preparing for competitive exams.

The seminar was conducted by Mr. JitendraTiwari, National Memory Record Holder, Limca Books of Records. Mr. Tiwari discussed a variety of topics, including the different types of memory, how to improve memory retention, and effective study strategies. He also provided students with specific tips and techniques for preparing for common competitive exams, such as the GRE, GMAT, and CAT.

The seminar was well-attended by students from all departments of BIST.

Mastering Modern Web Development: Successful Node.js Workshop by CSE Department

The Department of Computer Science and Engineering hosted an intensive and highly successful Node.js workshop from 21st to 25th May 2024. Under the expert guidance of Mr. Prateek Mishra, students were introduced to key concepts of Node.js, including asynchronous programming, Express.js, and database integration. The workshop offered a perfect blend of theory and hands-on training, allowing participants to build and deploy scalable web applications.

Students engaged in real-time exercises, creating robust applications while learning to navigate challenges in web development. The workshop was met with enthusiastic feedback, with participants appreciating the practical approach. By the conclusion of the event, students were well-prepared to apply their newfound skills in professional projects, marking a significant step forward in their development careers.

Empowering Future Engineers: Workshop on Power BI and DSA with Java

From **May 14th to 17th, 2024**, the CSE Department hosted a dynamic workshop on Power BI and DSA with Java. Mr. Aman Jha and Mr. Aman Pandey, from Coding Thinker, led engaging sessions on data visualization and essential programming concepts. Participants mastered Power BI report creation and deepened their understanding of data structures and algorithms.

The workshop was met with enthusiastic feedback, with participants praising the practical, hands-on learning approach that significantly boosted their technical skills.

DEPARTMENT OF INFORMATION AND TECHNOLOGY

Digital Skill Creation for Skilled Trainers

The Department of Information Technology, Bansal Institute of Science & Technology, Bhopal organized an ATAL Professional Development Workshop on Digital Creativity Skills in collaboration with ADOBE on 16 June 2023. This workshop was aimed to enhance Digital Creativity Skills of faculty and educators, to foster creativity in the curriculum and to enhance learning outcomes of the course. The expert speakers of the 3 hours-long workshop were Ms. Swati Hari, Head Trainer and Mr. Ojaswi Anand Khare, Trainer & Faculty support. All the attendees were trained and certified by ADOBE.

Faculties Geared Up For Better Performance

Department of Information Technology organized a FACULTY DEVELOPMENT PROGRAM on "Basics of Python Programming for Data Science", in collaboration with Coding Thinkers from 26 June 2023 to 28 June 2023. The lectures were delivered by Mr. Shailesh Mishra, Trainer at Coding Thinker Bhopal and his team during the sessions. Data Science and Machine Learning are his areas of expertise. It was an enriching and engaging session.

IT's Yash Time! Khare Secures GATE Qualification

Congratulations to Yash Khare, a final semester (VIII) student in the Information Technology branch, for qualifying GATE 2024! This prestigious exam opens doors to prestigious Master's programs and high-profile careers in the field. The college community is incredibly proud of Yash's dedication and hard work. We wish him all the very best in his future endeavors!

Students Visit Smart City Office to Learn About Vehicle Tracking System

A group of 39 B-Tech final year students from Bhopal accompanied by Professor Paras Gupta visited the Smart City Office on Wednesday to learn about the city's vehicle tracking system. The two-hour industrial visit focused on the use of cameras and sensors in smart city solutions. Officials explained the key infrastructure components of Bhopal Smart City, including reliable utilities, sanitation, and robust IT connectivity. Students gained insights into the Internet of Things (IoT) and its role in smart city development. The session covered the significance of IoT, its architecture, and the potential for business opportunities. The Smart Cities Mission presentation highlighted various smart solutions implemented in Bhopal, including grievance redressal systems, electronic service delivery, and video crime monitoring. Students also learned about innovative initiatives like waste management, renewable energy sources, and smart parking systems. The visit concluded with a tour of labs focused on data handling, artificial intelligence, and cyber security. Students expressed enthusiasm for the knowledge gained and its relevance to their future careers.

BIST IT Students Visit Agnito Technologies to Explore Latest Software Development Techniques

On March 1st, 2024, the Department of Information Technology at Bansal Institute of Science & Technology (BIST) Bhopal organized an industrial visit for their 6th semester Information Technology students to Agnito Technologies Pvt. Ltd. in Bhopal. This visit aimed to bridge the gap between theoretical knowledge and practical application in the field of software development. By

visiting Agnito Technologies, an award-winning web and mobile app development company, students gained valuable insights into the latest technologies used in the industry today. During the visit, students were exposed to a range of advanced technologies, including Web development, Internet of Things (IoT), Block chain, Big Data, Artificial Intelligence (AI), Augmented Reality/Virtual Reality (AR/VR), and Machine Learning. These technologies are shaping the future of software development and hold immense potential for various industries. This industrial visit provided a practical learning experience for the students, allowing them to see firsthand how these technologies are implemented in real-world projects. The visit is sure to ignite their passion and equip them with the knowledge and skills they need to succeed in their future careers

IT Students Gears Up For Data Innovation at Crisp Bhopal

On December 19th, 48 B.Tech third-year students from the IT department of BIST embarked on a thought-provoking industrial visit to CRISP, Bhopal. Led by Faculty Coordinator Prof. AnkurTaneja, the trip titled "To Learn and Visit about the New Pattern Innovation in Data Innovation" provided a unique opportunity for students to witness cutting-edge advancements in the world of data technology.

CRISP, located in the Shyamla Hills area of Bhopal, is a renowned hub for research and development in data innovation. During the 2-hour visit, students gained valuable insights into:

- The present and future state of enterprise equipment and programming skills.
- A comprehensive overview of career paths in computer science.
- The fascinating realm of 3D animation, PC organization, and its applications.
- The transformative power of IoT in robotics.
- Experiential learning through internships and research opportunities.

Overall, the IT department's visit to CRISP proved to be a resounding success, igniting a spirit of curiosity and innovation among the next generation of tech-savvy students.

Industrial Visit to MAP-IT: A Gateway to Government IT

The 4th-semester Computer Science and Engineering students embarked on a two-day industrial visit to MAP-IT **on 20th and 21st May 2024**. The visit offered a firsthand look at the critical role of IT in government operations. Students toured the state-of-the-art data center, gaining valuable insights into cutting-edge technologies and IT infrastructure, bridging the gap between classroom learning and real-world applications.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

Expert Talk

An enlightening Expert Talk on Solar Energy & Photovoltaic with Dr. Shivendra Yadav, Assistant Professor at NIT Surat was organized by the Department of Electronics & Communication Engineering, Bansal institute of Science & Technology Bhopal, Coordinated by Dr. Mohammad Aslam.

Insightful Session on Research Skills

The department of Information Technology organized a webinar on the topic, "Systematic Approach for Publishing Research Paper Indexing and Citation", on 5th August 2023 through Google Meet. The speaker for the session was Dr. A.V. Senthil Kumar, Director (Dept. of MCA), Hindusthan College of Arts & Science, Coimbatore. The session focused on enhancing the research skills and was immensely beneficial for all the attendees.

Science & Freedom – An Expert Lecture

The Department of Information Technology, conducted a brilliant seminar on the topic, "SCIENCE & FREEDOM", on 17th August 2023. The expert for the session was Prof. Vipin Kumar Tripathi, a plasma physicist and a peace activist from India. Educated from IIT Delhi and also served there for several years, Prof. Tripathi has an enormous experience of more than 5 decades. From unraveling mysteries to pushing boundaries, it was a captivating and well-informed session.

Mega Science and Technology Expo project by 7th Semester Student Displayed

A team of IT 7th semester students from the Department of Information Technology at BIST have developed a hands-free mobile media control application called Eyes Player, which was selected for the 10th Mega Science and Technology Expo (Vigyan Mela) held from September 15 to 18, 2023.
The project, developed by Dhiraj Mathankar (0112IT201013), Bharati Katre (0112IT201010), and Diksha Deshmukh (0112IT201014), utilizes a powerful technology stack, combining Java for the

backend and XML for the frontend, to offer a robust, user-friendly, and energy-efficient mobile media control application for Android devices.

The Eyes Player team is excited to present their innovative application at the 10th Mega Science and Technology Expo. They believe that Eyes Player has the potential to revolutionize the way we interact with our mobile devices, making the media consumption experience more accessible, user-friendly, and sustainable.

Students of IT 3rd Semester Visit Mega Science And Technology Expo

A group of IT 3rd semester students from BIST, visited the 10th Mega Science and Technology Expo (VigyanMela) on September 16, 2023. The expo, which was held from September 15 to 18, 2023, showcased a wide range of innovative projects and technologies from students and researchers across Madhya Pradesh. The students' visit to the 10th Mega Science and Technology Expo was a valuable learning experience that helped them to broaden their horizons and explore new possibilities in their field of study. They were inspired by the ingenuity and creativity of the young innovators they met, and they returned to their college with renewed motivation to pursue their own academic and professional goals.

Advanced IoT Training Shapes EC Students for the Future of Technology

From 20-27 January 2024, VI Semester EC students at BIST Bhopal participated in an intensive IoT training on Raspberry Pi. The program covered Python programming, sensor interfacing, cloud connectivity, and IoT security. Students engaged in hands-on projects, working in teams to create innovative IoT solutions. This training equipped them with essential skills and knowledge, preparing them for dynamic careers in the rapidly evolving field of IoT technology.

Workshop on The Latest Technology of Machine Learning

The IT department organized an insightful workshop on Machine Learning, from 26th to 31st October 2023. Mr. Shailesh Mishra, Machine Learning expert at Coding Thinker was expert speaker for the workshop. The sessions were attended by students from 1st, 3rd, and 5th semesters. Students delved into the realms of machine learning, AI. The expert talked about emerging technologies, uncovering their vast market scope and real-world applications, and how and why data is said to be the fuel of the future.

Day 2 of the Workshop, uncovered the machine learning-Python Connection, data science processes, emphasized the link between data science and machine learning, introduced Python fundamentals, had Hands-on experience on Visual Studio Code, and got familiar with some extensions to work with.

Day 3 of Machine Learning Workshop was action-packed. Students learned about Python Conditionals, how to use if-else statements in Python to make decisions in code based on specific conditions. Jupyter Notebook, a fantastic tool for data science, which allows us to write code, visualizes data, and documents our work all in one place was also taught in the session. Students explored the Pandas library, which is essential for data manipulation. They learned how to create Data Frames, load data from different sources, and perform basic data operations.

On October 31, 2023, the final day of the Machine Learning Workshop marked a significant milestone in the journey. The accomplishments were validated by ShriFal, and a shawl presentation was given by the Head of the IT Department, Dr. Rashmi Singh. On this concluding day, the students successfully deployed and tested the Movie Recommendation Machine Learning Model. This practical experience gave students a taste of the fascinating possibilities and achievements that machine learning offers. Furthermore, the students uploaded their project to their GitHub accounts for wider visibility and learning, and later discussed its further applications, demonstrating how ML can be used to solve day-to-day life problems.

ECE student qualifies GATE 2024!

Amit Kumar, a 6th semester Electronics & Communication Engineering student, has achieved remarkable success by qualifying the GATE exam. The institute extends its heartfelt congratulations to Amit for his dedication and hard work, which have opened doors to new opportunities. BIST wishes Amit continued success in his future endeavors.

Embedded System Training for IV Semester Students

The Department of Electronics & Communication Engineering at MSME Bhopal conducted an Embedded System Training program for its IV semester students. The training program was held from February 26, 2024 to March 18, 2024. This program equipped students with the knowledge and skills necessary to design and develop embedded systems. By participating in this training program, IV semester students at MSME Bhopal gained valuable hands-on experience in embedded system design and development. This training will help them to be better prepared for careers in the field of embedded systems engineering.

Hosts Successful ATAL FDP on Emerging Low Power Devices and Advanced Material Processing

From December 3rd to 8th, 2023, the department of Electronics & Communication Engineering, BIST hosted a 6-day Faculty Development Program (FDP) titled "Emerging Low Power Devices and Advanced Material Processing." The program, sponsored by the All India Council for Technical Education (AICTE) under its ATAL Academy initiative, saw the participation of 60 faculty members from various technical institutes.

The FDP provided a valuable platform for faculty members to enhance their knowledge and skills in cutting-edge areas like low-power devices and advanced material processing. Renowned professors from prestigious institutions like Indian Institutes of Technology (IITs), National Institutes of Technology (NITs), CSIR AMPRI, and other eminent institutes delivered insightful sessions throughout the program. The interactive sessions covered diverse topics including:

- Role of approximate computing in low-power electronic devices.
- Solar photovoltaic design and simulation.
- Advanced nanostructures based on flexible electronics and sensors.
- Advanced material processing, fabrication and instrumentation.
- India's role in designing and fabrication of low power devices.
- Novel device architectures.
- Passive voltage amplification in FE-DE hetero structure.
- Material and actuator development and engineering applications.
- Insight into Non-Hysteretic negative capacitance field effect transistors.
- Memory architectures and computing for AI chips.

Participants expressed their appreciation for the comprehensive curriculum, engaging sessions, and the opportunity to interact with renowned experts. The FDP also fostered collaboration and networking among faculty members from different institutions.

"We are incredibly grateful to the AICTE for providing this opportunity to host a free offline program for faculty members. It has been a privilege to facilitate knowledge sharing and collaboration among some of the brightest minds in the field", remarked Dr. Mohammad Aslam, HOD ECE and the coordinator of the program.

The program concluded with a thought-provoking industrial visit to BEEPL Bhopal, where participants gained valuable insights into the practical applications of emerging technologies in the industry.

DEPARTMENT OF MECHANICAL ENGINEERING

Experience the Real Machines

Industrial Visit

On 14 July 2023, Savishkar Madhya Bharat and Bansal Institute of Science and Technology, Department of Mechanical Engineering successfully carried out an industrial visit at Daulat Ram Engineering Industry, Mandideep. The purpose of visit was to provide the students a practical exposure to the manufacturing processes, operations and cutting edge technologies. The first hand exposure to Daulat Ram Engineering Industry's manufacturing processes gave a great learning experience to students. We would like to express our gratitude to Daulat Ram Engineering Industry for providing us with this opportunity, to explain and guide thestudents in detail about each and every facilities present at manufacturing plant.

Seminar on Solution for Plastic Pollution

The students of Mechanical Engineering, Bansal Institute of Science and Technology Bhopal have attended a Seminar organized at CIPET Bhopal on 22 July 2023. In the seminar, experts from the various fields' related to plastic management shared their experiences and discussed the possibilities to reuse the plastic waste for moulding it into various useful components. They also made aware our students regarding the hazardous consequences of the plastic waste.

Vishwakarma Jayanti Celebrated With Devotion & Talent

The Department of Mechanical Engineering at BIST celebrated Vishwakarma Jayanti, the auspicious day dedicated to Lord Vishwakarma, the architect and engineer of the gods, with fervor and devotion on September 17, 2023. The event held at BIST Mechanical workshop was a vibrant display of student talent and dedication. The celebration commenced with a traditional pooja performed by students themselves. Following the pooja the students enthralled the audience with melodious bhajans accompanied by tabla played by students, showcasing their hidden musical talents.

Students Embark on the Internships to Hone Their Skills

The Department of Mechanical Engineering at BIST held exciting internship programs for its third and fifth semester students from 7th to 14th of August 2023, providing them with valuable practical experience and helping them develop essential professional skills.

Third semester students participated in an internship focused on the "Application of Instrumentation to develop professional skills".

Fifth semester students embarked on an internship program titled "Strategy based diagnosis of automobile engine". These internship programs provided students with crucial practical experience outside the classroom.

Mechanical Engineering Students Get Hands-on Experience at LM Bakers Private Limited

The students of Mechanical Engineering recently had the opportunity to visit LM Bakers Private Limited, a company that manufactures biscuits for Parle, a leading Indian brand. During the industrial visit, the students gained valuable insights into the biscuit production process. They witnessed firsthand the transformation of raw materials into delicious treats, observing how the ingredients move through various ovens and conveyor belts. This visit provided the students with a practical understanding of the mechanical engineering principles applied in a real-world manufacturing setting.

Certified Short Term Training Course on "Advanced CNC Machining (Milling)" at MSME Technology Center Bhopal

Second Year Students of Mechanical Engineering Department, have successfully completed a certified Short Term Training Course of 20 days on "Advanced CNC Machining (Milling)" at MSME Technology Center Bhopal under Entrepreneurship Skill Development Programme (ESDP).

10 days workshop on "Additive Manufacturing-3D Printing"

The Department of Mechanical Engineering, BIST with Center for Research and Industrial Staff Performance (CRISP), Bhopal has conducted the 10 days workshop on "Additive Manufacturing-3D Printing" from 10th to 22nd February 2024. The faculty members from the difference departments were attended the sessions during workshop and get benefited. The trainer had demonstrated the latest technologies over 3D printing and 3Dscanning ahead of participants.

BIST Bhopal's Mechanical Engineering Department Hosts Week-Long Workshop on Intellectual Property Rights

The Department of Mechanical Engineering at BIST Bhopal conducted a week-long workshop on "Intellectual Property Rights: Protection of Invention and Copyright" starting on March 4th, 2024. The workshop was inaugurated by the esteemed Chief Guest, ShriVikasShende Sir, Senior Scientist from MPCST. His insightful session on IPR laid the foundation for an enriching learning experience for all participants.

This week-long program aimed to equip participants with the knowledge and tools necessary to protect their inventions and creative works.

Mechanical Engineering Students Bagged Second Prize In Model Competition At Technovation-2023

The "Robot Fire Extinguisher" project, created by Mechanical Engineering students Saurabh Lodhi and Roshan Kumar, won second place and a cash prize of Rs. 2100 at Technovation-2023 held on 3rd and 4th November 2023 at IES University Bhopal. The project stood out for its innovative design and practical application.

Students Gain Insights into Industry During Visit

The III Semester Students of Mechanical Engineering Department at BIST Bhopal recently embarked on an enriching industrial visit to Bansal Extraction & Export Pvt. Ltd. This immersive experience provided them with firsthand exposure to the fascinating world of soybean oil extraction and advanced industrial processes. The visit commenced with a tour of the boiler section, where they witnessed the essential steam generation process that fuels the operations. Moving on to the refinery section, the students were captivated by the intricate machinery employed in transforming soybeans into edible oil. They observed various advanced machining processes, gaining valuable insights into the intricate workings of modern industrial equipment. The journey culminated in the hot molding section, where they learned about the shaping of plastic canes, a crucial component in oil packaging. The students also explored the packaging section, observing the meticulous processes involved in packaging oil cans and boxes in various sizes, from ½ L to 15 L.

Students gained practical knowledge about the oil extraction process, witnessed advanced machinery in action, and learned about the intricacies of industrial packaging. This exposure will undoubtedly broaden their horizons and contribute significantly to their academic and professional development.

Mechanical Engineering Students Excel in Advanced CNC Machining Training

Second-year students from the Mechanical Engineering Department have successfully completed a certified Short Term Training Course on "Advanced CNC Machining (Milling)" at the MSME Technology Center in Bhopal. This training, part of the Entrepreneurship Skill Development Programme (ESDP), has equipped them with cutting-edge skills in CNC machining, further enhancing their technical expertise and readiness for the industry.

Mechanical Engineering Department Hosts Advanced Workshop on 3D Printing

On February 22, 2024, the Department of Mechanical Engineering at BIST, in partnership with CRISP Bhopal, successfully wrapped up a 10-day workshop on "Additive Manufacturing - 3D Printing." Faculty from various departments gained invaluable knowledge as experts demonstrated the latest advancements in 3D printing and 3D scanning technologies, equipping participants with essential skills and insights in this rapidly evolving field.

BIST Hosts National Science Day with Focus on Local Innovation

Bansal Institute of Science & Technology, Bhopal, celebrated National Science Day with a two-day event sponsored by the Madhya Pradesh Council of Science and Technology. Centered on the theme "Local Techniques for Developed India," the event featured expert talks, poster presentations, and an exhibition of innovative working models.

Industrial Visit: Mechanical Engineering Students Explore Global Skills Park

On June 12, 2024, VI semester students from the Department of Mechanical Engineering embarked on an industrial visit to Global Skills Park (SSRGSP), the first multi-skills park in India. The visit provided students with a comprehensive view of advanced training facilities, including the Center for Occupational Skills Acquisition (COSA) and the Center for Advanced Agricultural Training (CAAT). The park also offers essential TVET support services such as entrepreneurship development, trainer training, and skill-related research. This exposure to cutting-edge skills development resources enriched the students' understanding of industrial training and career opportunities.

Mechanical Engineering Students Tour MSME Ministry

On June 17, 2024, VI semester students from the Department of Mechanical Engineering visited the Ministry of Micro, Small & Medium Enterprises (MSME), and Government of India. The visit offered students a comprehensive exploration of the latest advancements in manufacturing technologies and the evolving needs of the industry. The students were introduced to various recent

technologies and improvements in machinery through detailed briefings by the trainers. This exposure provided valuable insights into the state-of-the-art equipment and innovations available at MSME training centers, enhancing their understanding of current industrial practices and preparing them for future career challenges.

Inspiring Alumni Talk: BIST Graduate Shares Research Journey and Insights

Mr. Ashutosh Singh Raghubanshi, Ph.D. Research Scholar at CSIR-Advanced Materials and Processes Research Institute (CSIR-AMPRI) Bhopal and a proud alumnus of BIST's 2008 batch, was invited to deliver an Alumni Talk. His session offered valuable insights into advanced materials research, inspiring current students with his journey and achievements.

Expert Talk: Senior MSME Engineer Shares Insights with Mechanical Engineering Students

Mrs. Shashi Karautiya, Senior Engineer (Training) at MSME Technology Centre Bhopal, was invited to deliver an expert talk in the Department of Mechanical Engineering. Her session offered valuable industry insights and guidance, enriching students' understanding of current trends and practices in engineering and technology.

DEPARTMENT OF CIVIL ENGINEERING

Internship Program

A 10-day internship program for Civil engineering students of BIST was completed on 3rd March 2023 at the Airport City construction site. The whole Civil Engineering department is heartily thankful to the CEO & engineers of Airport city. Huge thanks to the whole management of BGI for motivating the students for an internship & providing them with all the basic facilities.

UltraTech Cement Ltd. and BIST Join Forces to Promote Sustainable Construction Practices

In a significant step towards advancing sustainable construction practices, Ultra Tech Cement Ltd. announced collaboration with the Department of Civil Engineering at Bansal Institute of Science and Technology (BIST) to establish a "Centre of Excellence for Sustainable Construction Materials." The inauguration ceremony, held on March 20th, 2024, was graced by the presence of distinguished guests, including Dr. Sanjay Jain (Jt. Secretary, BGI), Dr. Damodar Tiwari (Director, BIST), and Dr. Satish Nayak (Principal, BCP).

Er. Rahul Goel, Zonal Head & Vice President of Ultra Tech Cement Ltd., served as the chief guest for the event. He addressed the gathering and shared valuable insights on advanced construction materials with the Civil Engineering students. The ceremony also witnessed the signing of a Memorandum of Understanding (MoU) between Ultra Tech and the Civil Engineering department of BIST, solidifying their commitment to collaborative efforts in promoting sustainable construction practices.

This collaboration is expected to provide a significant boost to research and development in the field of sustainable construction materials. The Centre of Excellence will serve as a platform for students, faculty, and industry professionals to work together on developing and implementing innovative solutions for a greener future in construction.

BIST Civil Engineering Department Hosts Lecture on Building Products

The Department of Civil Engineering at BIST Bhopal organized an expert lecture on "Building Products" for IV and VI semester students on March 16, 2024. Er. Ravendra Singh Baghel,

Technical Executive at Ultra tech Cement Ltd., Bhopal, delivered the session. The lecture provided valuable insights into the latest building materials and their applications.

Civil Engineering students experienced the real site

Bansal Institute of Science and Technology (BIST) organized a field visit for its civil engineering students on December 11, 2023. The visit was held at the Topaz construction warehouse, where students from the third and fifth semesters learned about various types of steel structures. This exposure aimed to provide students with practical knowledge beyond classroom learning.

Students Attend Bureau of Indian Standards (BIS) Annual Event

Four civil engineering students from the fourth semester along with Professor Tanmay Singh attended the annual event 'Manak Manthan' organized by the Bureau of Indian Standards (BIS) on November 30, 2023.

The event likely focused on providing a platform for students to learn more about standardization and its significance in the field of civil engineering. It is a valuable opportunity for students to gain insights from experts at BIS and potentially network with professionals in the industry.

Bureau of Indian Standards (BIS) Holds Writing Competition on IS Codes

The Bureau of Indian Standards (BIS), in collaboration with the Department of Civil Engineering, organized a writing competition on IS Codes on February 15, 2024. The competition aimed to raise awareness and understanding of these critical standards in the construction industry.

Civil Engineering Students Journey beyond Textbooks at Warehouse Construction Site

Theory comes alive for 5th-semester Civil Engineering students at BIST as they embark on an eye-opening industrial visit to a Pre-Engineered Building (PEB) construction site, on 4th Nov. 2023. The Civil Engineering Department organized this insightful exploration, proving that experiential learning truly paves the way for unforgettable understanding. Students immersed themselves in the bustling construction site, observing every stage of the PEB assembly. From the fabrication of steel components to the erection of the structure, they gained invaluable insights into the intricacies of this modern construction technique.

Civil Engineering Students Gain Hands-On Experience at WELSPUN Corporation Industrial Visit

On April 23, 2024, the Department of Civil Engineering and the Student Club of "Bureau of Indian Standards (BIS)" organized an industrial visit to Welspun Corporation Ltd., Vidisha, for VI and IV semester Civil Engineering students. The visit provided students with valuable insights into the manufacturing of PVC building products and hands-on experience, including performing tensile strength tests on mild steel using a Universal Testing Machine (UTM).

UltraTech Engineers Lead Insightful Technical Session for Civil Engineering Students

On April 27, 2024, engineers from UltraTech Cement Ltd. conducted a technical session for IV, VI, and VII semester Civil Engineering students, offering valuable insights and expertise on the latest developments in the cement industry.

DEPARTMENT OF BASIC SCIENCE

First year Students Visit Amul Plant in Bhopal

On March 16, 2024, the Basic Science Department of Bansal Institute of Science and Technology (BIST) organized an industrial visit for its first-year students to the Amul Plant located in Govindpura Industrial Area.

A group of 40 students from the AIML and CE programs, along with three faculty members, participated in the visit.

The Amul Plant, a significant contributor to India's "White Revolution," provided the students with firsthand exposure to modern milk processing and packaging techniques. Amul, a dairy cooperative established in 1946, is managed by the Gujarat Cooperative Milk Marketing Federation Ltd. (GCMMF) and remains a key pillar of India's dairy sector.

Students Visit MSME Technology Centre

On March 16, 2024, the Basic Science Department of Bansal Institute of Science and Technology organized an industrial visit to the MSME Technology Centre in Bhopal.

A total of 62 first-year students from ME, EC, and EX programs, along with 3 faculty members, participated in the visit.

The MSME Technology Centre impressed the students with its well-maintained infrastructure and advanced equipment. The students were welcomed by an officer in charge, who provided an informative overview of the center's activities and the various industrial processes and facilities it offers.The visit included a detailed session on industrial automation, CNC Programming and Machining, Hydraulics and Pneumatics, Robotics/Mechatronics, and Programmable Logic Controllers (PLC), along with their practical applications. This exposure provided valuable insights for the students, enhancing their understanding of these critical industrial technologies.

MATH'S Magic Quiz Held on National Mathematics Day

The Department of Basic Science at BIST commemorated National Mathematics Day on December 22nd, 2023, by organizing a series of exciting quiz competitions that challenged and engaged students. The event, held under the distinguished patronage of Dr. Meno Shubhranshu Deep, Director of Bansal College of Nursing, witnessed enthusiastic participation from students across various disciplines. National Mathematics Day serves as a reminder of the immense contributions of Indian mathematician Srinivasa Ramanujan. These competitions are not just about testing knowledge, but also about fostering a love for the subject and its applications in the real world. The competitions covered a diverse range of mathematical topics, catering to students of all levels. From high-pressure individual quizzes to collaborative team challenges, the atmosphere buzzed with excitement and friendly rivalry. The top performers were awarded attractive prizes. Adding to the fun was an 'on spot quiz' that provided everyone with an opportunity to test their quick thinking and win exciting prizes. This spontaneous element further energized the crowd and kept the spirit of competition alive throughout the event.

Dr. Manisha Sonel from the Department of Basic Science has presented a paper on "Advancement in Road construction: Harnessing polymeric Materials for Sustainable and Resilience" in the international conference on "interdisciplinary approach in Technology, Science and Management for sustainable Development organized by Applied Science Department, SIRT Bhopal.

Dr. Manisha Sonel and Prof. Mona Fhate from the Department of Basic Science has participated in the A Four Day National Level Seminar (Online) on "Enrichment of Engineering Education through Effective Implementation of NEP 2020" from 29th July to 1st August 2024 in view of 4th Anniversary of NEP Organized by Vardhaman College of Engineering, Shamshabad, Hyderabad.

Dr. Manisha Sonel, Dr. Meghna Dubey and Prof. Mona Fhate from Basic science department have actively participated in the Seven days International Faculty Development Programme on "Journey to Research Excellence From Concepts to publication" by the Department of Biotechnology, Hindusthan College of Arts & Science (Autonomous), Coimbatore and has achieved a score exceeding the requisite marks in the evaluation conducted as part of the programme.

DEPARTMENT OF MBA

Industry Empiricism
Endure The Professionalism

The Department of MBA has organized an Industrial Visit to Crompton Greaves, Mandideep on 15th May 2023. 46 students from BGI-MBA along with Dr. Priti Dubey and Prof. Nivedan Narula visited the campus and learned the entire process of the system, starting from manufacturing, testing of products, quality circle and basics of management. The visit turned out to be advantageous for students.

Relishable Training Practices

The MBA program is sought after by individuals who want to accelerate their career growth or transition to a new career. The degree provides students with the necessary skills and knowledge to advance in their current roles or pursue new opportunities in various industries.In lieu of the above, the Department of MBA at Bansal Group of Institutes is committed to follow the above thoroughly.

On 20 May 2023, Saturday, a day full of management activities was organized to provide the students with an opportunity to learn the concepts of performing arts.

Various activities such as the AD MAD show, human knots, bridge crossing and the science of asking the right questions were conducted, where students participated enthusiastically and at the end of the session, winners of activities were announced.

Moments of Good-Bye

BGI-MBA 2nd Semester students threw a Farewell Party for their seniors on 13th June 2023, as they are all set to bid adieu to their alma mater. The graceful presence of Honorable Joint Secretary Dr. Sanjay Jain, as the chief guest, and Dr. Damodar Tiwari, Director BIST, Dr. Satish Nayak, Director BCP, Dr. Manish Manoria, Director BIRTS, added glory to the occasion.
All the students enjoyed it to the fullest and made memories that last forever with them.
Students of first and second year were felicitated for their performance and attendance. They were also adorned with titles like Mr. & Miss Eve and Mr. & Miss Bansal.
The event was followed by an enthralling DJ party and a sumptuous lunch.

DISHA -2023 (21 AUGUST, 2023)

The Department of Master of Business Administration at BGI conducted a one day orientation programme for the students of third semester of MBA with a focus of providing latest industry trends and insights in order to enable them to decide their specialization subjects and pave the path for their future. The primary aim of this programme was to provide a brief framework of all the streams and specializations that they can choose and the infinite career opportunities related to it. The students were inspired by the valuable information provided to them and aided them to make a wise and thoughtful decision regarding their future course of actions.

PRARAMBH -2023 (27-29 SEPTEMBER, 2023)

With the onset of Autumn, the Department of Master of Business Administration at BGI conducted an Orientation Programme "PRARAMBH" for the induction of newly enrolled students in the course of MBA. This three-day programme was conducted with the aim to provide all the necessary information to the students regarding the course, curriculum and other essential chores and make them familiar with the proceedings. After the ceremonial inauguration of PRARAMBH-2023, day 1 marked a series of cultural events and intellectual events in order to provide a mundane environment to the students and provide valuable guidance to the students for their journey ahead. Moreover, the

students were made aware of the various proceedings and affairs of the institution and provided them with a brief introduction of the same.

On Day-2, various dignitaries from various fields were invited to enlighten the newly enrolled students. To begin with, a yoga session was conducted by profound trainers Dr. Shailza Pandit and Mrs. Achla Agewekar. The students understood the value of discipline and consistency in life to achieve greater heights. Furthermore, Dharmendra Krishna Das (Monk, ISKCON temple) and Deendayal Hari Das (Monk, ISKCON temple) were invited to give valuable information on how moral and human values play a pivotal role in designing and shaping the future of the students.

The Cultural visit on day-3 started with a spark and enthusiasm amongst the students. All the newly enrolled students were taken to the M.P. Tribal Museum to make them aware about the culture of our state. Cultural activities are non-academic pursuits that provide students a diverse platform to learn and explore their interests and hidden talents. The students took home a bag full of memories and learnings before the commencement of their regular classes.

Saturday Activity (14 OCTOBER, 2023)

The Department of MBA at BGI is primarily focussed on imparting advanced knowledge on management curriculum and skills by adapting and imparting application based pedagogy and establishing an environment of academic excellence. In lieu of the aforesaid, various outbound management activities were conducted for the students with the basic aim of providing practical insights to empower their team spirit, effective listening and efficient coordination.

Moreover, after gaining valuable insights, the students interacted with industry expert Mr. Ashish Srivastava, who has a wide experience in the field of finance and management and provided students with some valuable information with respect to personal finance and its importance in our daily lives. It was a bucket full of knowledge, exposure and experience that students carried home with a hope of a bright future ahead.

Bansal Uttarayan – 2024

(13 January,2024)

Uttarayan is for enlightenment. This is the period of receptivity, of grace and enlightenment, of attainment of the ultimate.

To mark the auspicious occasion of Makar Sankranti and Lohri, the Department of MBA (BGI) organized a Kite Flying Competition where students and faculty members participated with great enthusiasm.

The event witnessed the gracious presence of Dr Sanjay Jain Sir (Joint Secretary, BGI) , Dr Manish Manoriya Sir (Director BIRT/BIRTS) and Dr Damodar Tiwari (Director BIST).Moreover, the

event witnessed the enthusiastic display of marketing and selling skills by MBA students which was showcased in the form of food and games stalls.

The winners of the kite flying competition were as follows -

Winner – Shashank Kaushal and Himanshu Kushwaha(MCA BIST).

Runner up – Nitin Bhilala (CSE BIRT).

CPBFI Workshop

Bansal Institute of Science & Technology, Bhopal has signed anMoU with Bajaj Finserv. Department of MBA is committed towards providing quality education to students and make them industry ready. According to the various reports, the insurance and banking sectors are witnessing a huge surge in new job creation, significantly contributing to the upward hiring trend in the overall white-collar job market of India. This Certificate program in Banking, Finance and Insurance (CPBFI) will provide students a holistic overview of the banking and NBFC industry with the mission to prepare the students and make them industry-ready professionals to pursue a career in Banking, Financial Services and Insurance (BFSI) sector.

As a management student, the knowledge of banking sector is not only required for placement, but also for securing your future financially .This 32 day program/workshop was divided into 4 parts

First- Self Management, Second - Retail Banking, Third - Insurance. Fourth- Communication and Workplace Skills.

Overall, 40 students from Dept of MBA registered for the program and it is a matter of great pride that all the students qualified the same with 28 students being the star performer during the entire program.

Educational Tour -2024

(16 march 2024 – 22 march 2024)

It is of great pleasure to announce that the Department of Master of Business Administration organized an Educational Tour to Rishikesh- Mussoorie - Haridwar from 16 March 2024 to 22 March 2024 under the guidance of our Respected Director Sir DrDamodarTiwari .

30 students from BIST and BIRT collectively together with Prof NivedanNarula and Prof ArtiVerma under the profound leadership of Dr Priti Dubey (HOD ,MBA) left Bhopal for this spellbound journey. After reaching Rishikesh and checking into the campsite, students enjoyed the property and enjoyed the treacherous and adventurous River Rafting of 15 kms in the most sacred river Ganga. The experience was totally enchanting and thrilling.

The next day was spent in Mussoorie (The Queen of Hills) . Students visited Kempty Falls, the largest waterfall of the area and company garden. Later the students enjoyed shopping and a special dinner at the hotel. The group Mussoorie early in the morning reached Haridwar. Over there students visited Patanjali Research Institute and Patanjali Botanical Garden where they learned about the quality testing and product packaging.

Later in the evening students visited the Har Ki PauriGhat where they took a holy bath in the river and attended the sacred Ganga Aarti.

After relishing the mesmerizing memories of Rishikesh- Mussoorie - Haridwar , we are reaching towards the end of this indispensable tour.

Over and above the adventure, the students realized the importance of effective listening , team building, leadership and group dynamics.

With all the alluring and delightful memories and learnings of the students, this tour comes to an end with an everlasting apprehension.

'Sometimes it is the journey that teaches you a lot about your destination'

Financial Awareness on Stock Market Workshop

The Department of MBA at BGI organized a two day workshop on 3rd & 4th Nov on financial awareness on stock market and its relative dimensions. Ms Shruti Gupta, a renowned Financial Education Trainer was the keynote speaker for the workshop. This workshop aimed to provide attendees with valuable insights and practical tips on navigating the stock market, understanding investment opportunities, and building a strong financial portfolio. Topics covered included market analysis, risk management, asset allocation, and retirement planning strategies. Participants at the workshop expressed their satisfaction with the event, praising the high-quality content and interactive sessions. Many stated that they were able to gain new perspectives on investment strategies and were inspired to take proactive steps toward achieving their financial goals. The workshop also provided a platform for networking and information sharing, allowing attendees to connect with like-minded individuals and industry professionals. Overall, the event was a resounding success, helping to raise awareness about the importance of financial education and empowering individuals to take control of their financial futures.

Jingle Making Activity

After the successful completion of the workshop on Financial Awareness on Nov. 4th, the students of MBA participated enthusiastically in the Jingle Making Competition organized by the Department of MBA. The main motive behind this activity was to assess the students ability to create a commercial jingle by creating a sound sequence connected to a fictional product. These activities aid the students to enhance their creativity and improve their team dynamics and coordination skills.

Industrial Visit – Bansal Extraction & Exports Pvt.Ltd.

As per our commitment of bridging the inevitable gap between academia and industry, the Department of MBA , BGI organized an industrial visit to Bansal Extraction and Exports Pvt ltd , Mandideep on 25th November, 2023. The students of First and Third semester participated enthusiastically and gained valuable learning and exposure at the unit. Starting from procurement of raw material , storage , extraction, refinement , use of by-products and packaging and labeling, students learned the entire process and carried a bucket full of experience and valuable insights which will help them to pave the path for their future. The visit was organized as part of the students' curriculum to provide them with firsthand experience of the corporate world and gain insights into the practical aspects of management. During the visit, the students were given a comprehensive tour of the company's facilities and were provided with in-depth knowledge about the various management processes and operations. They were also given the opportunity to interact with the company's management team and gain valuable insights into the challenges and opportunities in the industry. The industrial visit proved to be an enriching experience for the students, as they were able to apply the theoretical concepts learned in the classroom to real-life situations.

Business Plan Presentation Competition: Expert Talk on Digital Marketing And Cyber Security

As the Department of MBA at BGI is constantly striving to improve pedagogical methods employed in delivering the academic programs, a Saturday Activity was organized on 2nd Dec, 2023 which was full of zeal, enthusiasm and valuable learnings.

Firstly , a Business Plan Presentation competition was organized where students participated with a visionary perception of achieving greater milestones. This competition aimed to encourage students to put their theoretical knowledge into practice and develop comprehensive business plans for potential start-up ventures. Participants were judged on their ability to create a viable business model, conduct thorough market research, and present a convincing case for their proposed business.. The participants were expected to demonstrate their understanding of key business concepts, such as marketing strategies, financial projections, and operational plans. The Business Plan Presentation Competition serves as an invaluable platform for aspiring young entrepreneurs to gain real-life experience and receive constructive feedback from industry experts. With the ultimate goal of fostering innovative thinking and entrepreneurial spirit, this competition promises to inspire and motivate the next generation of business leaders.

Secondly, a guest lecture was conducted on Data Analytics by industry expert Mr Prashant Tiwari , Director Cybrome Technologies Pvt. Ltd. where he guided students and made them aware with the dynamics of Data Analytics. In today's digital age, the importance of cyber security in the field of digital marketing cannot be overstated. As businesses increasingly rely on online platforms to reach their target audience, the need to protect sensitive data and information from cyber threats is paramount. The workshop aims to provide participants with a comprehensive understanding of the potential risks and vulnerabilities in the digital marketing landscape, as well as the best practices to mitigate them. With cyber-attacks becoming more sophisticated and prevalent, it is imperative for digital marketers to stay abreast of the latest security measures and techniques to safeguard their online assets.

Industrial Visit - Amul Co.Op. Ltd, Govindpura , Bhopal.

ON 18TH Dec, 2023, the Department of MBA at BGI organized an Industrial Visit for its students to AMUL CO. OP. PVT LTD, BHOPAL. Starting from procuring raw material, storage, extraction, refinement, use of by-products and packaging and labeling, students learned the entire process and carried a bucket full of experience and valuable insights. The students had the opportunity to network with industry professionals and gain a better understanding of the career opportunities available to them in the field of management. Overall, the industrial visit was a valuable learning experience for the students, as it provided them with a broader perspective on management practices and a better understanding of the corporate world. The students expressed their gratitude to the company for allowing them to visit and gain valuable insights. Such industrial visits are an essential part of a management education and play a significant role in shaping the future leaders of the industry.

Freshers Party

The students of the Third semester of the Department of MBA at BGI hosted a 'Fresher's Party' for the incoming batch of management students on 23rd Dec, 2023. The event was held in the BIST auditorium and was attended by the dignitaries, students, faculty, and staff. The purpose of the party was to introduce the new students to their fellow classmates, the faculty, and the various resources available to them during their journey at BGI. The party featured a variety of activities, including icebreaker games, music, and dance performances by current students. There were also speeches given by the Ho'nble Jt Secretary and Directors of the institution, who welcomed the new students and encouraged them to make the most of their time at BGI. The event was a great success, with the new students expressing their excitement at being part of the BGI family and the management program. Many of them appreciated the opportunity to meet their peers and get to know the faculty and staff. The Fresher's Party was a great way for the new students to feel welcomed and a part of the BGI community, and it set a positive tone for the start of their academic journey in the management program.

Bajaj Finserv, Hosts Insightful GST Workshop

On April 13, 2024, BIST marked a significant milestone by signing an MOU with Bajaj Finserv, witnessed by Dr. Sanjay Jain and Dr. Manish Manoria. Certificates were awarded to participants of the 32-day CPBFI workshop, recognizing outstanding performers. The event concluded with an enlightening session on GST by CA Nandan Narula, providing students with valuable insights and clearing key concepts about the tax system.

Kudos to Prof. Nivedan Narula: Honored for Excellence in Training Methods

INDIAN SOCIETY FOR TRAINING & DEVELOPMENT

P G Diploma in Training & Development

Certificate of Merit

Awarded to Mr. Nivedan Narula

for having secured First Position in the paper on Training Methods - Cognitive

In the examination held in June 2023

CHAIRMAN, DIPLOMA PROGRAM

NATIONAL PRESIDENT

We are proud to announce that Prof. Nivedan Narula from the MBA Department was honored for his exceptional performance in the PG Diploma in Training & Development, ISTD, specifically in Training Methods - Cognitive. The recognition took place on May 5, 2024, at the FORE School of Management, New Delhi. We extend our best wishes for his continued success in all his future endeavors.

Inaugural Alumni Talk Inspires MBA Students

On May 16, 2024, the MBA Department proudly hosted its first alumni talk. Abhishek Sahu, a 2023 graduate now an HR Executive at Adani Group, shared his journey and insights. His inspiring words motivated students to pursue their goals with dedication and ambition.

Dive into Yarn Production at LION FABRICS Factory Tour

On June 21, 2024, MBA students visited LION FABRICS PVT LTD, a leading yarn and textile manufacturer. The guided tour offered a deep dive into the yarn production process, showcasing spinning, winding, and quality control technologies. Students engaged with the skilled workforce and factory management, gaining valuable insights into industry trends, challenges, and opportunities. The visit provided a practical understanding of yarn manufacturing.

DEPARTMENT OF MCA

ARTIFICIAL INTELLIGENCE:
Friend or Foe?

Artificial Intelligence is the talk of the town among young professionals these days, but what exactly it is can be accurately explained by experts. To clear all the myths and doubts related to artificial intelligence, an online webinar was organized by the department of MCA in collaboration with IIC. Guest speaker, Dr. Harshita Patel, Senior Assistant Professor, SITE, VIT, Vellore, elucidated the topic effectively.

Alumni Talk

BIST alumnus Mr. Praveen Rane, currently Director at Electra Cabs and Ranes Technologies Pvt. Ltd., returned to his alma mater on March 21st to deliver an inspiring talk for current students. The Department of MCA hosted the Alumni Talk on the same day.

Mr. Rane's talk focused on his journey from student to successful professional, highlighting the potential and opportunities BIST's academic programs provide. His insights were invaluable to current students as they navigate their own career paths.

Online Workshop on Design, Critical, and Innovation Thinking

The Department of Master of Computer Applications (MCA) at BIST organized an insightful online workshop on Design, Critical, and Innovation Thinking on December 11, 2023. The workshop, held in collaboration with the Institute's Innovation Council (IIC), aimed to equip participants with the essential skills to approach problem-solving and design thinking in a creative and effective manner. The session was led by Dr. Apoorva Joshi, a renowned resource person from NIET, Greater Noida. Dr. Joshi brought her extensive experience in the field to bear, delving into various aspects of design thinking, highlighting the challenges and complexities involved in the process. She further

showcased real-world examples of well-designed solutions to inspire participants and demonstrate the practical application of these concepts. Over 75 participants, including faculty members and students from diverse disciplines, actively engaged in the session. Dr. Joshi's dynamic approach and engaging presentation style fostered a vibrant learning environment.

A 4-Day long Coding Marathon for MCA students

Students from the Master of Computer Applications (MCA) program at BIST, recently embarked on a journey into the world of web development with a four-day workshop organized and conducted by The Coding Thinker. Held from December 6th to 9th, 2023, the workshop saw eager participants gather in the computer lab each morning at 10:40 am, ready to dive into the fundamentals of coding.

Day one laid the groundwork, providing students with a clear understanding of web development concepts. They learned essential languages of HTML and CSS, learning how to structure web pages and style them with flair. The introduction to Bootstrap opened their eyes to the possibilities of responsive design, laying the foundation for dynamic and accessible websites.

Armed with their newfound knowledge, the students transformed from theoretical learners to practical builders, on day 2. The resource person, acting as a patient guide, answered questions, solved doubts, and helped troubleshoot any errors that arose throughout the four days.

By the end of the workshop, the computer lab buzzed with accomplishment. Not only had the students built their very own websites, but they had also gained valuable hands-on experience in web development best practices.

Dr. Karuna Nidhi Pandagre as a Member of the Advisory Committee ICTBIG 2023

MCA Student Akash Namdev Excels at India Skills 2024

We are proud to announce that Akash Namdev, a second-semester MCA student, received a Certificate of Outstanding Participation in "Cloud Computing" at IndiaSkills 2024. Held at IICC Yashobhoomi, New Delhi, from May 15-19, 2024, this prestigious event was organized by the Ministry of Skill Development and Entrepreneurship, Government of India. Akash's achievement underscores his exceptional skills and dedication.

SPORTS SCOREBOARD

- Nodal Intercollegiate Hockey Tournament 2023 organized by BIST on 2nd Nov. BIST team was the winner and LNCT was the runner-up team.
- BGI Bhopal coordinated the RGPV State Hockey Tournament at Sagar, where a team from Sagar won the tournament. 2 students from BGI got selected for the nationals.
- 6 Students from BGI got selected for State RGPV Hockey Team, namely, Himanshu Kumar (CSE 6th sem), Manish Singh (MCA 1st sem), Ayush Singh (CSE 6th sem), Harshvardhan Rathore (CSE 3rd sem), Raj Parmar (CSE 3rd sem)
- Himanshu Baraskar from 1st semester IT branch got selected for RGPV State Volleyball team.
- Ragini Ahirwar from 3rd semester EC branch, gold medalist of Nodal intercollegiate Boxing championship got selected for RGPV State team.

VNS Group of Institutions
Bhopal
R.G.P.V. Nodal Level
Volleyball Tournament-2023
Men/Women
23 November, 2023
Faculty of Engineering

VISHWAVIDYALAYA, BHOPAL