BMS
INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Vision

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

Mission

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

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Presented by :
Dr. Sanjay H A
Principal, BMSIT&M

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Faculty Achievements/Awards

Faculty as Resource Person

- Dr. Rajesh Gopinath, Associate Professor, department of Civil Engineering, conducted an Expert Talk titled "EMS as a potent Tool for Sustainable Hazardous Waste Management in Manufacturing Industries." This occurred on March 22, 2024, as part of the "2-day workshop on Tackling Toxicity Reduction of Hazardous Wastes," organized by the Department of Civil Engineering at Dr. AIT, Bengaluru.

- Prof. Shankar R, Assistant. Prof, department of Computer Science & Engineering , traveled to Zimbabwe as a Consultant and Trainer in RPA (Robotic Process Automation) for the client Ecocash. His visit spanned from February 20, 2024, to March 6, 2024.

Faculty Awards

- Dr. Suma Umesh, Assistant Professor, Department of Electrical and Electronics Engineering, was awarded a Doctorate Degree during VTU 23rd Annual Convocation held at VTU Belagavi on 07.03.2024.

- Dr. Manjunath Babu P, Assistant Professor, Department of Electrical and Electronics Engineering, was awarded Doctorate Degree during VTU 23rd Annual Convocation held at VTU Belagavi on 07.03.2024.

- Dr. Siddiq Iqbal, Assistant Professor, Department of ETE was awarded PhD degree, with the dissertation titled "Efficient Key Management Schemes for Security in Wireless Sensor Networks" in the 24th Annual Convocation held on 7.3.2024 at Visvesvaraya Technological University "Jnana Sangama" Belagavi.

- Dr. Shivakumara T., Assistant Professor, Department of MCA, received his doctoral degree at the 23rd VTU convocation held on 07.03.2024 at VTU, Belagavi.

- Dr. Nethravathi, Assistant Professor, Department of

MBA, received the prestigious Golden Aim award in the category of most innovative educator and researcher on 02.03.2024.

Students Achievements

- Louis Goodwin, a student from the MBA department, achieved the second prize in the "Best Manager Event" held during the "ARNAAV" National level Management Fest at SJB Institute of Technology. The event took place between March 4, 2024, and March 5, 2024.

Events Held/Conducted

- The Department of AI&ML organized an induction program for second-semester students held from March 18, 2024, to March 22, 2024. The program included a range of sessions such as ice-breaking activities, yoga sessions, discussions on healthcare, placement guidance, soft skill development, student performances, academic enrichment activities, and more. Through these sessions, students had the opportunity to engage in various activities and acquire valuable life skills, understand universal human values, appreciate the importance of yoga, interact with alumni, and receive detailed information about placement opportunities from the coordinators.

- As part of indication programme, in the SIP initiative, Dr. Vijayalakshmi G V, Associate Professor, and Dr. Paramita Sarkar, Assistant Professor of the ECE department, led the ice-breaking session held on March 18, 2024. The aim was to enhance students' interpersonal and intrapersonal skills through interactive discussions in small teams consisting of three members. The topics assigned for open discussion included:

  ➤ The Role of Youth in Nation-Building

  ➤ Social Media: Boon or Curse

  ➤ Emerging Technologies

  ➤ Technology's Role in Addressing Social Challenges

  Students were given the freedom to select a topic of their interest and present their viewpoints during the session. They were also tasked with naming their teams and providing a rationale for their choices. By the end of the session, students successfully delivered informative presentations, fostering communication and idea exchange among teams. The importance of these activities was emphasized to the students, and faculty members addressed any questions or concerns raised by the students.

- The Department of ETE organized an induction program for second-semester students, running from March 18, 2024, to March 22, 2024. The program commenced with an ice-breaking session on March 18, 2024, led by Prof. Prathiba N. A paper telephone activity was conducted during this session, allowing each student to discover commonalities among their peers. On March 19, 2024, Dr. Arun Kumar, Professor, Department of CSE, led a session on Indian Knowledge Systems. The session introduced students to the rich intellectual heritage of India, exploring various philosophies and aspects of ancient Indian knowledge.

  Following this, on March 20, 2024, Dr. Sumathi M.S., conducted an ice-breaking session. Students were assigned different topics such as the Indian economy and language barriers to express their opinions and engage in discussions. These icebreaker activities facilitated interaction among students, encouraged the exchange of ideas, and promoted teamwork. The purpose of icebreaker activities was to create a comfortable environment for participants, allowing for the successful exchange of ideas. Feedback sessions were held for all sessions to gather input from the students.

- On March 1, 2024, Dr. Banuprakash R organized a Poster Presentation activity for fifth-semester students as part of the AAT (Assessment and Analysis of Teaching) component of the course "Advanced Electromagnetics-21EC56." The activity focused on topics concerning the "Hazards of EM waves and Applications of EM waves." Students were grouped into teams of 3-4 members and tasked with selecting topics related to the theme. Each group was then assigned different topics to explore and present through their posters.

- On February 28, 2024, Dr. Banuprakash R., organized a Hardware Project presentation activity for third-semester students as part of the AAT (Assessment and Analysis of Teaching) component of the course "IoT Applications-BEC358D." Students were divided into groups of 3-4 members and were assigned projects of their choice at the beginning of the semester. The projects were assessed by Prof. Dwarakanath G V, Assistant Professor in the Department of MCA, along with Dr. Banuprakash R.

- The Department of MBA organized a one-day training program on human rights for their students on 20.3.2024. The event was sponsored by the National Human Rights Commission (NHRC). The purpose of the training program was to inculcate knowledge and create awareness about human rights among students. The other aim of the training program was to enable the students to learn about constitutional provisions, human rights institutions in India, the rights of various groups, etc.

- The resource persons for the training program were Capt. Sanghamitra Boreddy (Retd. Army), Senior Manager, International HR at Amentum; Dr. Anita A. Patil, Associate Professor, Co-Ordinator Centre for Women and Child Welfare Policy, Ramaiah College of Law, Bengaluru; Dr. Ramya K., Assistant Professor, BMS LAW College; and Dr.Chetan Singai, Dean, School of Law and Governance, Chanakya University, Bengaluru. Chief Consultant and Convenor, TS, National Curriculum Framework, Ministry of Education, GoI.

- The Department of MBA hosted a workshop on 2.03.2024, focusing on "Career Opportunities for MBA Students in the Indian Defense Sector.", Assistant Commandant Mr. Amit Jagannath served as the resource person for the event. Many MBA students may not be familiar with the wide array of

roles and opportunities available outside of traditional business sectors. The workshop aimed to enlighten students about the diverse career paths within the Indian defense sector and to assist them in understanding the specific skill sets and qualifications needed for various roles. By providing career guidance and industry insights, the workshop empowered MBA students with essential knowledge and resources to make informed decisions and pursue successful careers in the dynamic landscape of Indian defense.

- The MBA Department, in collaboration with the Library Department at BMS Institute of Technology and Management, organized an orientation program on EBSCO for MBA students on 22.03.2024. Mr. M. S. Srinivasa, Senior Customer Training Specialist at EBSCO Information Services, served as the resource person for the event. The orientation session proved highly valuable, offering participants comprehensive insights into the wealth of resources available on the platform. Students gained practical knowledge on effectively utilizing EBSCO for their project work and research endeavors, especially for paper submissions to conferences. Through interactive demonstrations, attendees learned to navigate the platform adeptly, accessing diverse databases, journals, and articles pertinent to their fields of study. Moreover, there was a focus on leveraging advanced search features and citation tools, empowering students to streamline their research processes and enhance the quality of their academic submissions. Overall, the orientation program equipped students with the requisite skills and confidence to maximize the

use of EBSCO's resources, thereby fostering academic excellence and scholarly achievement.

- The MBA Department arranged club activities for first-year MBA students on March 16, 2024, comprising three distinct events. The first was a thrilling treasure hunt where teams raced against the clock to decipher the final clue. This exercise not only honed social networking, coordination, and time management skills but also encouraged teams to think creatively in their quest for clues.

The second event, a promotional game, showcased each team's creativity and enthusiasm. It provided students with an opportunity to step out of their comfort zones, experience new challenges while refining their public speaking abilities. Lastly, the management games promoted unity and teamwork, fostering a supportive environment where participants cheered for one another regardless of the outcome. Overall, Turn and Walk offered an enjoyable and memorable experience, underscoring the significance of fun and engagement in team-building endeavors.

- The MBA Department hosted a club activity for first-year MBA students on March 30, 2024, called the "Back Drawing and Guessing Game." The primary aim of this event was to enhance students' communication skills, foster teamwork, and stimulate creativity.

Women's Day celebration

The Women Empowerment Cell commemorated Women's Day on March 15, 2024, in observance of International Women's Day. Dr. Balamati Choudhury, Principal Scientist at the Center for Electromagnetics (CEM) CSIR-National Aerospace Laboratories (CSIR-NAL), was the chief guest for the occasion.

Dr. Sanjay H.A., Principal and other dignitaries honored the chief guest. During her address, the chief guest emphasized equality in society and highlighted women's capacity to make decisions. Vice Principal Dr. Anil GN also spoke about Nari Shakti, recognizing the capacity and strength of women.

Dr. Sanjay H.A., Principal, delivered the presidential speech, acknowledging the hard work of women who balance family responsibilities with work pressures. Additionally, he mentioned numerous funding agencies offering special grants for women's research projects, encouraging female staff to pursue opportunities from such agencies.

Industrial Visit

The Department of Electrical and Electronics Engineering arranged an educational visit to Bangalore Dairy on March 16, 2024, situated on Dr. M. H. Marigowda Road in Bangalore. Mr. MohanKumar C. P., Assistant Manager, provided insights into the dairy's operations, which supply approximately 1.5 million liters of milk to consumers in Bangalore. The dairy has seven collection centers in rural Bangalore, where milk is sourced from farmers. Mr. Shivraj guided students and staff through the various stages of milk processing, highlighting the plant's automation with sensors and PLCs from Allen Bradley and Siemens. The visit provided students with practical knowledge across different subjects and proved to be a valuable experience. Dr. Suma Umesh and Prof. Manjula B. K., served as staff coordinators for the visit.

"We must address, individually and collectively, moral and ethical issues raised by cutting-edge research in artificial intelligence and biotechnology, which will enable significant life extension, designer babies, and memory extraction."

- Klaus Schwab
Founder and Executive Chairman,
World Economic Forum

FDP Conducted/ Organised

- The Department of Computer Science and Engineering (CSE) conducted a two-week Refresher Course on "Interdisciplinary Cutting-Edge Technologies in Science", from March 25, 2024, to April 6, 2024. The course commenced with an inauguration attended by distinguished dignitaries, including Dr. Vishwas Bapat as Convener, Dr. Sanjay, Principal, Dr. Anil GN, Vice Principal, Dr. Thippeswamy G., Professor and Head, dept. of CSE, and Dr. Bhuvaneshwari C. M., Chief Coordinator. During the inauguration, the convener underscored the importance of embracing interdisciplinary technologies in his address to the participants.

- On March 15, 2024, the Department of MCA and the Department of AI&ML, in collaboration with TNS Foundation, hosted a workshop titled "Campus to Technical Careers." Prof. Venkatesh A., from the Department of MCA, coordinated the event, this event was attended by 105 students from the first semester of MCA. Faculty members from the TNS Foundation provided insights into their program aimed at equipping students with soft skills and technical knowledge in areas such as full-stack development and Database Management Systems (DBMS).

International Journal/ Conference/ Book Chapters

1. Mary P., Jeevan Chakravarthy A. S., Ila, H. Synthesis of 3, 5-Disubstituted-1, 2, 4-thiadiazoles via NaH-DMF-Promoted Dehydrogenative Intramolecular NS Bond Formation" The Journal Of Organic Chemistry, 2024.

2. Dr. Vijayabhaskar Reddy A., Madhavi V, Reddy AVB, Chennuri B.K., 'Insights into nanocomposite materials for gas sorption applications' Nano-Structures & Nano-Objects 38, (2024) 101127.

3. N.K.Niranjan, P.Sarkar, B.Bhowmick, M. Choudhury, K.L. Baishnab, S.D. Lala and R. Mishra, 2024. 2-D Si0. 8Ge0. 2 source double-gate pocket PTFET for low power application: Modeling and simulation. Materials Science and Engineering: B, vol. 303, pp.117290.https://doi.org/ 10.1016/ j.mseb.2024. 117290 (SCI Journal Publication).

4. P. Sarkar, A. Srivastava, G. Narmada, E. N. Nithin and J. Naidu, "Design and Numerical Investigation of FTO/TiO2/FA0.85Cs0.15Pb(I0.85Br0.15)3/MoO3/ Au Perovskite Solar Cell," 2023 International Conference on Modeling, Simulation & Intelligent Computing (MoSICom), Dubai, United Arab Emirates, 2023, pp. 452-455, doi: 10.1109/MoSICom59 118.2023.10458740.

5. Dr. Anna Merine George, " Exploring the Nexus of Natural Language Processing, Sentiment Analysis, Generative AI and Design: Unveiling Innovative Pathways", 3rd National Conference on Advances

in Smart Computing and Data Science (NCASCD'24) on 25th March 2024, organized by MBCCET Peerimade, Kerala.

6. Madhu Palati, Nisha Prasad and Mahipal Bhukya, "Design of a smart braking system using Microcontroller for dual Scenarios" 1st International Conference on Sensors and Microsystems (ICSM-2024) - 28, 29 March 2024, Manipal University, Jaipur.

7. Sowmyashree M.S., Saritha I.G, Naveen I.G., "Automated smart Cart for Physically challenged" in International conference on recent innovation in smart and sustainable technology on 15.3.2024.

8. B. R. Vinod, Akshit Jain, Department of Civil Engineering, BMS Institute of Technology and Management "A Review on the effective usage of aramid fibers for interlocking lightweight mud blocks with high strength", Innovations and Applications of Fiber-Reinforced Concrete, Materials science and Technologies, Nova Science Publishers, New York, ISBN 978-8-89113-529-1 (eBook), DOI:https://doi.org/10.52305/EWVP0213 Page Number: 97-120,6 th March 2024.

9. R. Shobha, B. R. Vinod Department of Civil Engineering, BMS Institute of Technology and Management, "Pineapple fiber as an Effective Thermal Insulator Compared to other Insulating Materials " Innovations and Applications of Fiber-Reinforced Concrete, Materials Science and Technologies, Nova Science Publishers, New York, ISBN 978-8-89113-529-1 (eBook), DOI: https://doi.org/ 10.52305/EWVP0213 Page Number: 135-154, 6 th March 2024.

10. B. R. Vinod, G A Swetha, Department of Civil Engineering, Department of Chemistry BMS Institute of Technology and Management, "An overview of the use of polymeric Nanofibers in stabilized Mud Blocks", Innovations and Applications of Fiber-Reinforced Concrete, Materials Science and Technologies, Nova Science Publishers, New York, ISBN 978-8-89113-529-1 (eBook), DOI:https://doi.org/1 0.52305/EWVP0213 Page Number: 81-96, 6 th March 2024.

11. K. Archana, M. S. Deepak, B. D. Bharath Singh, B. R. Deepthi, Harsh Vardhan Kumar & Shaik Arshiya Sadaf, Department of Civil Engineering, "Study on Development of FRC and Its Application in Sluice Gate" Lecture Notes in Civil Engineering (LNCE), Springer, Singapore, ISBN- 978-981-99-9501-1 DOI:https://doi.org/10.1007/978-981-99-9502-8_45 Page Number: 523-542, March 2024.

12. Prof. Maheshwari M S, Assistant Professor, Department of CSE Presented a Paper Titled "A Novel Approach on Medical Health Record Management System Using Blockchain." at the International Conference on Intelligent Systems & Networks (ICISN 2024)-Swinburne, Hanoi, Vietnam, 22.03.2024 and 23.04.2024. The paper will be published in A Springer book series Lecture Notes in Networks and Systems.

"Information is the oil of the 21st century, and analytics is the combustion engine."

- Peter Sondergaard, Senior Vice President and Global Head of Research at Gartner, Inc.

Placement Activities

2024 BATCH FINAL PLACEMENTS: The placement season for the 2024 Batch commenced on 01.07.2023. As of 31.03.2024, a total of 697 placement offers have been placed and given internship offers as detailed below.

Sl. No.	COMPANY NAME	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	Placement/Internship
1	AB Plastomech	1	3,00,000	Placement & Internship
2	ACCENTURE	25	4,00,000	Placement & Internship
3	ACCORIAN	7	9,00,000	Placement & Internship
4	ACE DESIGNERS	1	3,29,000	Placement & Internship
5	ALSTOM	5	6,80,000	Placement & Internship
6	AMADA	5	4,00,000	Placement & Internship
7	AMAZON	10	26,00,000	Placement & Internship
8	ANZ	14	12,50,000	Placement & Internship
9	ANZ Apprenticeship	13	16,500	Apprenticeship
10	ATKINS	1	5,70,000	Internship
11	AVAALI SOLUTIONS	9	4,00,000	Placement & Internship
12	B L KASHYAP	6	4,00,000	Placement & Internship
13	BEACON	2	3,29,000	Placement & Internship
14	BIG BULLS	6	3,50,000	Placement & Internship
15	BLACKHAWK	4	11,00,000	Placement & Internship
16	BRITISH TELECOM	5	8,92,000	Placement & Internship
17	BURNS & MCDONNELL	2	5,60,000	Placement & Internship
18	CARL ZEISS	10	11,00,000	Placement & Internship
19	CODEYOUNG	26	7,36,000	Placement & Internship
20	CSG	1	6,50,000	Placement & Internship
20A	CSG	2	7,50,000	Placement & Internship
21	DATA INSIGHTS	1	18,00,000	Placement & Internship
22	DELL	3	9,78,318	Placement & Internship
23	DELOI PVT LTD	1	3,00,000	Placement & Internship
24	DXC TECHNOLOGY	4	4,50,000	Placement & Internship
25	EPICOR	7	9,25,000	Placement & Internship
26	EPSILION	8	8,00,000	Placement & Internship
27	ESTUATE INC	1	3,00,000	Placement & Internship
28	EVERTZ INDIA	2	4,50,000	Placement & Internship
29	FIDELITY	3	9,00,000	Placement & Internship
30	GALAXE SOLUTIONS	18	5,00,000	Placement & Internship
31	GANIT INC	2	4,50,000	Placement & Internship
32	GLOBAL QUEST TECHNOLOGIES	7	4,00,000	Placement & Internship
33	HENKEL	11	6,50,000	Placement & Internship
34	IAST	4	5,00,000	Placement & Internship
35	IBM	22	4,75,000	Placement & Internship
36	INFORMATICA	2	8,70,375	Placement & Internship
37	K12 TECHNO	5	4,00,000	Placement & Internship
38	KNOWLEDGE SQUARD	11	4,00,000	Placement & Internship
39	LITESTORE	3	3,00,000	Placement & Internship
40	LOWES	17	18,86,000	Placement & Internship

Sl. No.	COMPANY NAME	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	Placement/Internship
41	LUMEN	2	8,00,000	Placement & Internship
42	MICROLAND	5	4,00,000	Placement & Internship
43	MONEYVIEW	4	16,00,000	Placement & Internship
44	MPHASIS	20	4,00,000	Placement & Internship
45	NAMASTE CREDIT	6	8,50,000	Placement & Internship
46	NEW FOLD DEGITAL	1	15,00,000	Placement & Internship
47	ORACLE	19	9,34,740	Placement & Internship
48	ORAIYAN GROUP	12	4,00,000	Placement & Internship
49	OUTLOOK GROUP	15	4,00,000	Placement & Internship
50	PENTAGON SPACE	9	4,00,000	Placement & Internship
51	PHONEPE	6	26,00,000	Placement & Internship
52	POLARIS	9	8,14,000	Placement & Internship
53	PRDC	1	4,00,000	Placement & Internship
54	PROTIVITI INDIA	23	4,00,000	Placement & Internship
55	Q2 SOFTWARE	9	5,00,000	Placement & Internship
56	RINEX TECHNOLOGIES	56	5,20,000	Placement & Internship
57	SAAS LABS	3	5,50,000	Placement & Internship
58	SAMSUNG	5	9,00,000	Placement & Internship
59	SIEMENS HEALTHINEERS	10	8,50,000	Placement & Internship
59A	SIEMENS TECHNOLOGIES	1	6,00,000	Placement & Internship
60	SIRIUS	3	7,00,000	Placement & Internship
61	STEEL INFRA SOLUTIONS PVT LTD	2	3,00,000	Placement & Internship
62	TALENTSERVE	112	4,00,000	Placement & Internship
63	TATA ELXSI	27	3,50,000	Placement & Internship
64	TCS	7	4,00,000	Placement & Internship
64A	TCS	5	8,00,000	Placement & Internship
65	TEACHNOOK	16	6,00,000	Placement & Internship
66	TECHNOLOGICS GLOBAL	4	4,00,000	Placement & Internship
67	TESTVAGRANT	1	5,50,000	Placement & Internship
68	TEXTRON	1	6,00,000	Placement & Internship
69	TOYOTA	2	3,29,000	Placement & Internship
70	UI PATH	2	10,00,000	Placement & Internship
71	UNISYS	6	8,00,000	Placement & Internship
72	UST	3	4,25,000	Placement & Internship
73	ZINIER	3	5,50,000	Placement & Internship

Events/Placement drive Organized by Placement Department
- M/s Beacon: 2024 Batch Beacon Campus Drive on 20.03.2024
- M/s Oraiyan Group: 2024 Batch Oraiyan Group Drive Process on 20.03.2024.

VTU Fest BLISSBEAT – 2024

Blissbeat 2024, the VTU festival, took place at SJC Institute of Technology, Chikkaballapur, from March 27th to March 30th, 2024. Thirteen students from BMSIT & M participated in a range of cultural activities, including Classical Vocal Solo (Hindustani/Carnatic), Light Vocal Solo (Indian), Group Song (Indian), Debate, Elocution, and Rangoli. Dr. Sowmyashree M S, Dr. Manoj H N, and Prof. Shobha R accompanied the students during the event.

NCC Activities

- The NCC 'C' Certificate Examination took place at Christ University, Bangalore. A total of 12 cadets (Eight males from the SD category and four females from the SW category) from our college participated in the 'C' certificate theory exam.

- Lieutenant Rani was assigned invigilation duty for the 'C' certificate exam and evaluation duty at the NCC Directorate, Cunningham Road, Bangalore. Overall, nearly 700 cadets from various battalions of Group-B, Kar & Goa Directorate participated in the examination.

BICEP activities

Elevate 2023 Call – 2

The Karnataka state government offers a one-time grant of up to Rs. 50 lakhs to support innovators requiring early-stage funding for prototype development, market expansion, and scaling up. For ELEVATE 2023 Call-2, approximately 100 startups are expected to be selected, with a designated budget of Rs. 20 crores.

Dostbin (BICEP Incubate) was selected as a finalist for the Grand Finale of ELEVATE 2023 Call-2. Following a successful initial screening and virtual presentation round held on February 13, 2024, Dostbin advanced to the GRAND FINALE pitching event, which took place on February 26, 2024, at KEONICS/K-WINGS & K-tech Innovation Hub in HSR Layout.

Dr. Seema Singh, Founder of Dostbin Solutions Pvt Ltd, presented before the jury panel members during the event, and Dostbin was awarded a Grant in Aid of Rs. 23,00,000/- as the Elevate winner. This funding is to be utilized within one year starting from April 1, 2024, primarily for product launch in the market for Alpha and Beta testing purposes.

KPIT SPARKLE 2024

A team comprising Dr. Rashmi N, Assistant Professor in the Department of Electronics and Communication Engineering (ECE), along with Oshankar Naidu, Vikas Reddy, Varsha V, and Shivani Singh, final year students of ECE, participated in the

KPIT Sparkle Finale 2024. They were chosen from a pool of nearly 19,000 initial submissions representing 433 colleges across India. Competing against 100 other participants in the finals, they emerged as one of the eight finalists, representing Karnataka and standing out as the sole team focusing on the domain of 5G communication, which accounted for only 16% of the participating teams.

During the event, they had the privilege of meeting Dr. Tessy Thomas, acclaimed as the 'Missile Woman of India', who graced the occasion as the Chief Guest, alongside other esteemed guests who commended their project. The team had valuable interactions with various partners of KPIT, and panel members congratulated them while offering insightful suggestions for their innovation. Additionally, they attended a Tech Talk on Software Defined Mobility by speakers from KPIT Technologies, providing an overview of Software Defined Vehicles and their technological significance.

In recognition of their participation and innovative efforts, the team received participation medals and certificates from KPIT. Furthermore, the institute provided financial support of Rs. 28,900/- through BICEP for their participation and travel expenses.

Faculty-driven Project Fund Disbursement

Since 2022, BICEP Innovation has launched a faculty-driven project funding program aimed at selecting, promoting, and funding projects oriented toward product development by faculty members. This initiative supports innovative, society-driven projects proposed by faculty members, with funds released in phases based on project progress and outcomes.

Phase-1, launched in 2022, completed two projects, while Phase-2, initiated in 2023, is currently ongoing with an additional two projects.

In the fourth quarter of 2023, the BICEP Innovation Center commenced Phase - 3 of the Faculty-driven project initiative. Five faculty members presented their innovative ideas and research endeavors, seeking financial support to advance their projects and contribute to the academic and technological advancement of the institution. Phase - 3 received seed funding of Rs. 2,41,345/- from the institute.

On March 16, 2023, the selected faculty-driven projects received disbursements of funds in the presence of the Principal, Vice Principal, and BICEP innovation team. The following faculty members received the first part of the funds.

1. Dr. Ravichandra K R, Dept. of Mechanical, Project Titled "Robotic Aerial and Planetary Terrain Operation Rover" (RAPTOR) Rs. 50,000/-.

2. Dr. Vijayalakshmi G V and Prof. Chandraprabha R, Dept. of ECE, Project Titled "Smart footwear system for the visually impaired community" Rs. 25,000/-.

3. Dr. Dhanalakshmi B K and Dr. Lakshmi B N, Dept. of CSE, Project Titled "Crab Style Wheelchair" Rs. 15,000/-.

4. Prof. Shilpa Hiremath, Dept. of ECE, Project Titled "Solar Power Floating Waste Cleaner for Small Water Bodies" Rs. 8,000/-.

5. Dr. Rashmi N, Dept. of ECE, Project Titled "Ultrasonic Parametric Acoustic Array (USPA)" Rs. 40,000/-.

Dr. Suresh Kumar from the Department of Chemistry and Prof. Nirupama from the Department of MCA received recognition letters for their participation in Phase-2 of the faculty-driven project. Additionally, recognition letters were awarded to Dr. Seema Singh and Prof. Dwarakanath G V for their involvement in Phase 1.

Student Induction Program

The induction program is compulsory and spans 20 days for the first-year students of the 2023 batch. The initial 10 days occurred during the odd semester, while the remaining 10 days are scheduled for the even semester, running from March 18, 2024, to March 22, 2024.

On March 19, 2024, BICEP conducted a briefing session from 8:30 AM to 10:30 AM. Dr. Seema Singh, Dean of Innovation and Entrepreneurship, introduced BICEP, outlining its vision, Aarohan lab facilities, NISP policy for students and faculty, IIC,

mentor panel, current pre-incubates, student awards and achievements, Aero Club, and E-Yantra Robotic Club. Dr. Madhu M C, Chief Coordinator of the Innovation Centre, Ms. Shama H M, Coordinator of the Innovation Centre, and Prof.

Archana K, Deputy Coordinator of the Entrepreneurship Development Cell, stressed the importance of project work, financial support for project competitions, the availability of seed funds, mentoring support, and the opportunity to engage with the latest technology alongside like-minded peers.

During the session, third and fifth-semester students shared their internship experiences and their involvement in organizing competitions at BICEP. They also encouraged their peers to participate in upcoming summer projects in collaboration with IEEE.

CUTTING-EDGE TECHNOLOGIES IN DEMAND

The demand for certain technologies tends to shift based on various factors such as industry trends, societal needs, and technological advancements. Here's a list of top ten technologies that are likely in demand in the current time:

1. Artificial Intelligence (AI) and Machine Learning (ML): AI and ML technologies continue to be in high demand across various industries for tasks such as automation, predictive analytics, and personalized recommendations.

2. Cybersecurity: With the increasing frequency and sophistication of cyber attacks, there is a growing demand for cybersecurity solutions to protect data, networks, and systems.

3. Cloud Computing: The adoption of cloud computing services remains strong as organizations seek scalability, flexibility, and cost-efficiency in managing their IT infrastructure and applications.

4. Data Science and Big Data Analytics: The ability to extract insights from large volumes of data is crucial for businesses to make informed decisions and gain a competitive edge, driving demand for data scientists and analytics professionals.

5. Internet of Things (IoT): IoT technologies continue to gain traction as organizations leverage connected devices and sensors to improve operational efficiency, optimize resource utilization, and deliver innovative products and services.

6. Cyber-Physical Systems (CPS): CPS, which integrate computing, networking, and physical processes, are increasingly important in sectors such as manufacturing, healthcare, and transportation for enabling automation and smart systems.

7. Blockchain: Beyond cryptocurrencies, blockchain technology is being adopted in various industries for its potential to provide secure and transparent transactions, streamline supply chain operations, and enhance data integrity.

8. Edge Computing: As the volume of data generated at the edge of networks increases, there is a growing demand for edge computing solutions to process and analyze data closer to the source, reducing latency and bandwidth usage.

9. 5G Technology: The rollout of 5G networks is driving demand for applications and services that can leverage the increased speed, capacity, and low latency offered by this next-generation wireless technology.

10. Robotic Process Automation (RPA): RPA technology is in demand for automating repetitive tasks and business processes, leading to improved efficiency, accuracy, and cost savings for organizations.

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