



December 2021

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Monthly News Letter

**Bannari Amman Institute
of Technology**

Students Achievements

BITians Top IndiaSkills 2021 Regional Competition with 13 Medals

BIT students achieved a rare feat on 4 December 2021 by winning 13 medals out of the total 20 by Tamil Nadu in the IndiaSkills 2021 Regional Competition South. The competition was organised by the National Skill Development Corporation (NSDC) in Visakhapatnam, Andhra Pradesh, during 01 – 04 December 2021. Over 600 participants across Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, and Telangana competed in more than 50 skills. Tamil Nadu alone was represented by more than 100 participants and competed in 44 skills. Thirty-five students from BIT participated in the event, with 34

representing Tamil Nadu and one student representing Andhra Pradesh, competing in 20 skills. Among these, 6 gold medals and 7 silver medals were won by 13 BITians in 11 skills.

The Gold Medal winners include Sriman Narayana Raju (191CC101) for Additive Manufacturing Skill, Praveen (181CE152) for Concrete Construction Work Skill, BS Hariprasath (181CE120) for Concrete Construction Work Skill, Irfana B (182FT111) for Fashion Technology, Dhakshayani S (191BM113) for Health and Social Care, and Vishnu Priya S (182FT142) for Visual Merchandising. The Silver Medal winners include Karthi C (181EE153) for Electronics, Saraswathy PV (191BM138) for Health and Social Care, Lokesh V (181AG120) for Landscape Gardening, Ajay Prassath K (181AG103) for Landscape Gardening, Kalilur Rahman AH (191CE117) for Plastering and Drywall Systems, Pragadeeswaran RJ (191CE129) for Plumbing & Heating, and Shri Hari L (192CT149) for Web Technology.

The winners have qualified for the upcoming IndiaSkills 2021 National. The winners in the national event will represent India at the WorldSkills Shanghai, to be held in October 2022. Shri Mekapati Goutham Reddy, Minister of Industries, Commerce, Information Technology & Skill Development, Government of Andhra Pradesh, inaugurated the event. Shri Muttamsetti Srinivasa Rao, Minister of Tourism, Culture & Youth Advancement, Government of Andhra Pradesh, participated in the valediction.



BIT-NCC Cadet Among Best Cadets in RCTC Camp 2021

B IT-NCC SW corporal
E Pushpasri (182TX130)

TN19SWA839065 5(TN)

GIRLS BTN of Textile Technology attended All India National Rock-Climbing Training Camp conducted by 3MP Girls Battalion, Gwalior from 2 - 20 December 2021. She was among the 28 cadets who represented TamilNadu, Puducherry & Andaman and Nicobar Directorate. Totally 300 cadets from various



directorates all over India participated in the training camp. Ms Pushpasri was selected among the best five cadets from the TamilNadu Directorate. She was appreciated by the Trustee, Principal, Dean PDS, and all other NCC cadets.

Japanese Language Proficiency Test - N5



Seven students from II B.E and B. Tech attended the JLPT N - 5 exam conducted by the Japan Foundation on 5th December 2021 at

M. Kumarasamy College of Engineering & Technology, Karur. Ms. S. Manimegalai, French Language Trainer accompanied the students to the venue.

Cyber Lab Student Wins First Prize in WIE 2021

Swetha Sridevi N (181EC280) of the Cyber Lab participated in the annual IEEE event WIE 2021 (Women in Engineering) organised on 11 December 2021 and won the first prize and a cash prize of Rs 15,000.



Students Achievements

UUV Lab Students Win III Prize in IISF- 2021 at Goa

Two students of the Unmanned Underwater Vehicle Lab, S Cibi Joshua (191MC116) and S Kavin Kumar (191ME161) have won the 3rd Prize and a cash prize of Rs. 15,000/-, in the India International Science Festival (IISF 2021). The event was conducted during 10 – 13 December 2021, in association with the Ministries of Science and Technology, Earth Sciences, Vijnana Bharati (VIBHA), and the Bharat Swadeshi Movement. The Grand Finale of the IISF 2021 was held at Panaji, Goa, in which 50 teams, including the one from BIT, participated from across India. The students were mentored by Mr D Selvamuthukumaran, AP-II/Mechanical Engineering, and the Unmanned Underwater Vehicle Lab staff in charge.



FFN Lab Students Participate in Egg White Contest

Students of the Department of Food Technology participated in the Functional Food & Nutraceuticals Special Lab participated in the "Egg White Contest" conducted by SKM Egg Products Export (India) Limited on 02.12.2021. Around 7 Teams presented their new products for the Phase-1 review. Officers from SKM, Mr Krishnan, Chief Technical Officer, and Mr. Mohammad Asif, R&D, attended the review meeting and provided feedback. Dr Balakrishnaraja, Mr L Gowri Shankar, Mr Gowtham Raj and Dr Poojitha coordinated the review meeting.



Students Achievements

Accolades to Achievers

Chairman, Thiru SV Balasubramaniam, interacted students and faculty members of the team Stealth Crusaders of Manufacturing and Fabrication Lab on 15.12.2021, and congratulated them for achieving 23rd place in the Asia Pacific and the Middle East region and 67th position in the global league table in a technical event for the official Shell Eco-Marathon. He also congratulated students and faculty members of the team



'Prevail of Manufacturing & Fabrication Lab on 15.12.2021 for achieving all India rank 14 and Tamilnadu rank 5, in the SAE India Efficycle Event. Trustee Dr MP Vijayakumar, Dean PDS Dr K Sivakumar, and Principal Dr C Palanisamy also congratulated the students on their achievements.

Marina Republic Day Camp Selection

CUO M Kishore (191ME170) of BIT NCC has been selected among the 7 cadets to represent the Coimbatore Group in the Republic Day Celebrations and Ceremonial March Past on 26 January 2021. Approximately 200 NCC Cadets, constituting "NCC Contingent", will participate in the event. He is attending the Dhanalakshmi College of Engineering, Chennai training camp from 03 January 2022.



Students Achievements

Patents Filed by Special Lab Students

Communication Protocol Lab students, Vimalraj S (201EC286), Amirtha



Varshini S B(201EC112), Abinesh R(201EC106), Naveen V(201EC208), Manikandan G (201EC195), Dharaneesh S K(201EC131), and Dhranesh S M (201EC137) from the department of ECE have filed a patent entitled "GPS Enabled Bus Tracking and Vacant Seats Management System for Assisting Passengers in Public Transport" under the guidance of Assistant Professors Dr. Leeban Moses M, Mr. Raju C & Mr. Karthikeyan S. (Application Number : 202141055153)

Communication Protocol Lab students, Mr. DHARANEESH S K (201EC131), Ms.Sobika S K (201EC256), Mr.Goutham S(201EC147) Ms.Sruthika R (191EC286), and Ms.Sharanya R G (191EC265) from the department of ECE have filed a patent entitled "IoT Based Automatic Speed Surveillance, Vehicle Over-Speed Detection And Vehicle Alerting System" under the guidance of Assistant Professors Dr Leeban Moses, Mr. Raju C Mr. Karthikeyan S.

Patent Filed by Renewable Energy and HVAC Special Lab Students

Renewable Energy and HVAC Products Special Lab Students, Gowthamraj R



(191ME138), Adithyan T (191ME102), Harikrishnakumar N (191MC130), NIKHIL KM (191ME190), Mukesh B (191ME183), JoshvaBastin X (181ME168), and Karmegam R (181ME175) filed a patent entitled "Milk Can Cooler with Thermo Electric Techniques " under the guidance of Dr M Ravi Kumar, Mr KB Prakash, and Mr M Chandrasekaran, Lab in-charges of Renewable Energy and HVAC Products Special Lab. Application no: 202141055161, Docket No:109419, dated 29-11-2021.

Patent Filed

Data Science Lab students M Kokila (192CB126), Pranesh Kumar (191ME195), and R Santhoosh (191EE205) have filed a design patent entitled, "Chargeable Mobile Holder" under the guidance of Dr A Bazila Banu, HoD/AIML, and Ms M Karthiga, AP/CSE, staff i/c. of Data Science Lab. (Application Number: 352719-001, Dated:08/11/2021).



All India SAE Efficycle 2021

A team of 13 students from the MFC Lab participated in SAE Efficycle 2021 and secured All India Rank 14. The event was organised on 20.11.2021 by SAE India in collaboration with leading automobile industries.

Students Achievements

Patent Filed – Power Conversion and System Integration Laboratory

Power Conversion and System Integration Lab students, Sathiesh G V (201EE198), Vishwa M (201EE239), Kavyan and K. M. (201EE151), Jeslyn Hebziba R (201EE143) and Kibsan M J (201EE152) from the Department of Electrical and Electronics have filed a patent entitled "Smart Ceiling Fan Dust Cleaner" (Application No. 202141057267, Docket No:113077, dated: 09.12.2021) under the guidance of Dr. V. Kamatchi Kannan and Dr. K. T. Maheswari, Lab Incharges of Power Conversion and System Integration Laboratory.



NGN LAB Patent Filed

Preethi A V (191EC237), Riyani Jose A (191EC248), Priyadarshini V (191EC238), Sindhu R (191EC271), Dr. C. Poongodi C and Dr. T. Perarasi, Department of ECE, have filed a patent entitled "GESTURE CONTROLLED BLUETOOTH SPEAKER" (Application No. 202141056958) under the guidance of Next Generation Networking Laboratory.



Patent Filed - PCSI Lab Students

Power Conversion and System Integration Lab students, T Prasanth (201EE177), AP Devavikashini (201EE126), PS Azhagarvijay (201EE117), MR Rohith (201EE188), and ES Nadin (201EE163), from the Department of Electrical and Electronics have filed a patent entitled "An Alert System to Prevent Accidents in Two-Wheeler" (Application No. 202141057694, Docket No:113803, dated: 11.12.2021) under the guidance of Dr. V. Kamatchi Kannan & Dr. K. T. Maheswari, Lab Incharges of Power Conversion and System Integration Laboratory.



Patent Filed by Data Science Lab Students

Data Science Lab Students Ms.Kokila M (192CB126), Ms.K.Lokitha (192IT174), Ms.D.Jeevitha (192IT157), Ms.A.Kaviya (192IT167), Mr.R.Ramani Arun Sakthi (192CB135), Ms.P.R.Kavimathi (191CS193),Ms.S.Kanimozhi (191CS190), Ms.S.Lokitha (191CS207), Mr.C.Kalaiyarasan(191CS188) have filed a patent entitled, "CCTV Automation for Home Reliability" under the guidance of Mrs. P.Dhivya, AP/CSE, Data Science Lab. (Application Number: 202141057453, Dated:10/12/2021).

Students Achievements

NGN LAB Patent Filed



TITIKSHA V (191EC303), VIDHYAVARSHINI R (191EC307), SNEHA DHARSHINI R (191EC273), Dr. T. Perarasi & Dr. K. Shoukath Ali, Department of ECE, Bannari Amman Institute of Technology have filed a patent entitled "Smart Chair" (Application No. 202141056954) under the guidance of Next Generation Networking Laboratory.

Patent filed

EPD Lab students, S Srisanthosh, SM Mohammed Yameen, M Sujith, E Suriya, S Dinakaran, and S Rohith, have filed a patent entitled "Nano Turbine -A Power Source for Pacemaker" (Application No. 202141057678, Docket No:113790, dated: 11.12.2021) under the guidance of Mr S Sathishkumar and Ms P Sritha, Lab Staff-Incharge of EPD Lab.



Patent filed by Renewable Energy & HVAC Special Lab Students



Renewable Energy and HVAC Products Special Lab Students, IP Maheshwar (191ME174), B Mohan Kumar (191ME178), A Praveenkumar (191ME196), P Hari Nivesh (191ME141), AAkash (191AG103), NS Mohan Kumar (191ME179), and R Rohit (191ME201) have filed a patent entitled "Compact Portable Room Heater " under the guidance of the faculty members in charge of the lab Mr KB Prakash, Mr M Chandrasekaran, and Dr M Ravi Kumar. Application no: 202141059402, Docket No: 116490, dated 20-12-2021.

Filing of Patent by MDBC Lab Students

Molecular Diagnostics and Bio-molecule Characterisation Lab students S Sharmila (202FT122), PG Nidhersana (202FT111), P Keerthana (202FT108), S Nivetha Sharathi(202FT112), N Subhalakshmi (182FT132), and RG Sneha (182FT131) have filed a patent entitled "Preparation of A Cocoon Lace". (Application No: 202141057898, Docket NO: 114079 dated 13/12/2021) under the guidance of Dr Subrata Das, Professor/FT.



Patent Filed by NPD Lab Students

New Products Development Laboratory students Selvamuthukumaran S, Darvin Monesh M, Balaji V, and T Kaninkumar along with the faculty members VC Uvaraja, Professor / AGRI, Anadhamoorthy, Associate Professor / MECH, S Deepankumar, AP/AUTO, filed a patent entitled "Obstacle Detection Using Sensor Fusion And Deep Neural Network For Motion Control Of Smart Electric Tractor". (DP ID - 326162) Application Number- 202141060155.

Patent Filed by EPD Lab Students



EPD Lab students M Suruthi (191EE234), N Akshaya (201EE112), G Soundharya have filed a patent entitled "Automatic Temperature

Controlled Refrigerator" (Application No. 202141057678), Docket No:113790, dated: 11.12.2021) under the guidance of Mr S Sathishkumar and Mrs P Sritha, Lab Incharges of Electrical Product Development Laboratory.

Patent filed by New Product Development Laboratory students

A patent titled "Design and Fabrication of Contactless Thermometer" was filed by the students of the New Product Development Laboratory, P Kishore Raja, A Vishnu, and R Gokulraj, along with the faculty members Dr VC Uvaraja, Professor / Agriculture Engineering, Dr A Anadhamoorthy, Associate Professor / Mechanical Engineering, & Mr S Deepan Kumar, AP/Automobile Engineering. Application Number- 202141060470. Another patent titled "Design And Fabrication Of Cassava Harvester" was filed by the NPD Lab students P Kavibharathi, K Vignesh, K Venkadesh, and C Praveena, along with the same team of faculty members. Application Number- 202141060158.

13 Students Shortlisted for Indian Army Annual Cyber Security Hackathon

Thirteen BITians of the Cyber Security Special Lab have been shortlisted for SainyaRanakshetram, the Indian Army's Annual Cyber Security Hackathon, organised by the Military College of Telecommunication Engineering, Rashtriya Raksha University, and ISAC. The students shortlisted for level III in the CTF category include: Sukant (202IT236), S Thenisha (202IT252), SS Srithick (202IT230), M Siva Srinivas (201CS293), M Sasi Kumar (201CS279) V Sasi Kumar (201CS278) S Gokul Karthik (201CS158) E Dharsini (201CS149) B Dharneesh (201EC133) SR Athish (201CS129) 11.R Adharshna (201CS110) The students shortlisted for level III in the SDR category include: 1. S Thenisha (202IT252) 2. Varun Sharma.

Patent Filed by Electrical Product Development Lab students

A patent titled "E-Health Monitoring System Using Raspberry Pi and IoT" was filed by the Electrical Product Development Lab students, SR Shalini (201EE201), K Shri Dharshini (201EE204), R Sharnila (201EE202), S Meghavarshini (201EE160), B Sudharsun (201EE218), G Sugan (201EE219), and KM Navaneesh (201EE167), from the Department of Electrical and Electronics. The faculty members in charge of the lab, Mr S SathishKumar and Mrs P Sritha, guided the students. (Application No. 202141057922, Docket No:114142, dated: 13.12.2021).



Blockchain Technology Students Meet Tirunelveli Collector

Blockchain Technology (BCT) special laboratory students, AbzarSaffan (2021UCS1103), SB Sabari (2021IT207), and C Arutchezian (201CS123), visited the Tirunelveli District Collector Office and Tirunelveli Primary Health Center for GovTechThon 2021 event. BCT students presented their idea with a complete layout of a traffic monitoring system to Tirunelveli District's collector, Mr V Vishnu, IAS. The District Collector and the NIC team appreciated the student's ideas.



ETPDD Lab Students Reach COOLATHON2021 Finals

The idea submitted by team Hydro of the Energy and Thermal Product Development lab has been selected for the final round of COOLATHON 2021 organised by Symphony. The students of the team include K Deepak (191ME122), M Danus, (191ME121), B Cheran (191ME119) and RK Rithesh (191ME200) Top 15 innovative designs were selected for the final round from more than 500 teams across India.

SPHC Lab Students Present Papers in Turkey e-Conference

A team of students from the Signal Processing for Health Care Laboratory, including S Ganeshpraveen, KR Gauthamgiri, and S Hariharan, presented a paper titled "Best from E-Waste" at the 12th International Conference on Engineering and Natural Sciences, Bingol, Turkey, on 24 December 2021. Another team of students from SPHC Lab, including R Srimathi (191EI172), B Kumaresan(191EI142), and M Karthik (191EI138), presented a paper titled "Contact Tracing Using IoT for Industries" at the same conference on 25 December 2021.

Automobile Students Get Best Presentation Award

A team of students of Automobile Engineering, including CB Naveenkumar (181AU129), M Soundarraj (181AU141) and E Anandh (181AU102), received the Best Presentation Award for their paper on "Study on the vehicle weight distribution on different loading conditions using IPG Carmaker". The paper was presented during the 'Fourth International Conference on recent innovations in research & Development' organised by the International Institute of Research in Multidisciplinary - Skill Development Trust, Andhra Pradesh, on 19 December 2021. Mr R Balamurugan, AP/Automobile Engineering, guided the students.



Students Achievements

DPL Students Participate in L&T Techgium 5th edition

5 teams of 15 students from the Design and Prototyping Lab (DPL) submitted their ideas in the 5th edition of the L&T Techgium contest. One student team comprising Deva SB (201ME506), Abhishek Vincent J (201ME501) and Paarthasarathy MKY (201ME520) has been shortlisted for the second round and presented their ideas virtually to the juries on 29.11.2021



First Prize in Ideathon



Students of II BE Civil Engineering, Jaganand Venuprasanth, enrolled in the Sustainable Civil Engineering Materials Lab won the first prize with a cash award in Ideathon (Project expo) organised by Lakireddy Bali Reddy College of Engineering, Andhra Pradesh.

BIT-TBI Idea Chosen for EDII Prototype Grant



The BIT – TBI Incubatee, Mr N Mohan Nivas of Tai Technologies, has been selected by EDII, Chennai, for the "Innovation Voucher Programme" (IVP). He will be awarded a prototype grant of Rs. 2 Lakhs. BIT-TBI will work as a knowledge partner for the prototype development. Mr N Mohan Nivas is also a BIT alumnus of the 2018 BE Mechatronics batch.

Drone Demo - Micro Prototyping Lab

With the help of industry professionals from Green Tech Aviation, students in the Micro Prototyping Special Lab (Drone Division) successfully built an Agri-drone with a 10 kg payload. On 8th December 2021, Agricultural Drone and Mavik-DJI-3 Surveillance Drone were tested in the agriculture field at BIT. The institute's Trustee, Dr. M. P. Vijayakumar and Dean PDS, Dr. K. Sivakumar interacted with the students during the demonstration, and appreciated their involvement in the Drone Division.



Students Achievements

9 Special Lab Students Get Canada Internship

Nine BIT students have been offered internship opportunities in Canada through Glabalink Research Internship Mitacs (GRI), Canada. The offer includes 7 fully-funded internships and 2 paid internships. This fully-funded 3-month internship covers travel, accommodation, insurance,



university enrolment fees, food, and other incidental expenses at selected universities. The seven students offered fully-funded internships were from MDBC Lab pursuing III BTech Biotechnology include Swetha S (Western University- London, Ontario), Sruthi L (University of Alberta, Edmonton, Alberta), Raaja Rajeshwari M (McMaster University, Hamilton, Ontario), Swedha M (University of INRS, Quebec), Harini G (University of Manitoba, Winnipeg), Sivaranjani PR (University of Guelph, Ontario), and Subhiksha V (University of Winnipeg, Winnipeg). The students who got paid internships through GRI include Deepak Raja R and Surjith S of Data Science Lab, pursuing III BE CSE. They will pursue their internships at Wilfrid Laurier University and the University of New Brunswick, Canada, respectively. In addition to the internships, GRI also offers scholarships for MS/PhD after completing their internship programme.

BITians Ranked 23rd in Asia in the Shell Eco-Marathon 2022

The BIT team Stealth Crusaders of the Manufacturing and Fabrication Lab participated in the SAE organised Shell Eco-Marathon 2022 - an international competition, and has achieved 23rd Rank at the Asia Pacific and Middle East region level. The team also managed to reach 67th position across the globe, competing against pioneering institutions like Prince Sultan University - UAE, Nayang Technical University - Singapore, VIT, Graphic Era University, and many other top universities in the world.

IndiaSkills 2021 National Level Competition

Design and Prototyping Lab student Jagan S (181ME161) participated in IndiaSkills 2021 – at the national level for the Prototype Modeling Skill category at Toyota Kirloskar Motor Pvt. Ltd., Bangalore, organised between 20-24 December 2021. He also represented the Tamilnadu state in this National level competition. The competition was organised by the National Skill Development Corporation (NSDC) & Automotive Skills Development Council (ASDC) in Bangalore. The winners in the national event will represent India at the World Skills Shanghai, to be held in October 2022.

16 BITians Qualify National Instruments CLAD International Certification

16 students of BIT have qualified the Certified LabVIEW Associate Developer (CLAD), an international certification offered by National Instruments, USA, after scoring above the 70% benchmark set by the organisation. The international certification examination conducted online on 26.11.2021. The students were a part of the 40 who underwent the first phase training on NI LabVIEW conducted from 25 – 29 October 2021, and among the 25 students who qualified for the next level of training. The training was offered by the Department of ECE, BIT, as a part of the National Instruments (NI) Centre of Excellence. Mr Balaji, a Senior Application Engineer from Optithought, Chennai, trained the students. The training was organised by Dr C Poongodi, Head/ECE and coordinated by DS Elango and Mr A Daniel Raj, Assistant Professors/ECE.



Jagriti Digital Yatra 2021

 Mr Sharanprasad (202BT176) of the FBBRL Lab has been shortlisted for the Jagriti Digital Yatra 2021. He will receive 50% scholarship from Tamil Nadu State Startup. He will involve in a 15-day digital journey combining eminent speakers, power-packed initiatives and a dynamic fraternity, all driven by the boundless ambition to build the nation through enterprise. With the aim to inspire, innovate & incubate, the Jagriti Digital Yatra is a confluence of change makers, leaders, problem solvers & innovators. Jagriti Digital Yatra focuses on Agriculture, Health, Technology, Handicraft and Apparel, Women Empowerment and Urbanization & interlinking entrepreneurship with nation-building.

IoT Lab Students Win Cash Award and Electronic Kit in Electronic Wings 2021

Three teams from IoT special lab won in Electronic Wings Project Challenge 2021 in which 2 teams, 'Chosen Ones' including Sharmi Avila (201CS285), Tharunika (201CS316), KB Sneha (201CS295), and Kamalavalli (201CS210), and 'Aiming Archers' including



M ShanmugaPriyan (201EC251), AR Arunachalam (201EC117), S Dharsan (201EC134), Nithishwar (201EC214), and D Jagath (201EC163)

won a cash award of Rs.5000. Another team named Tech Fighters Naveen (201EE169), Kaniskar (201CS190), Pranesh (201CS249), and Aswanth Ramana (201CS127) won the Raspberry Pi tool kit and other electronic kits organised by Mouser Electronics, Bengaluru, an international semiconductor and electronic components Distributor.



Placement Achievements 2021 - 2022

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Salary Range Details (2018-2022 Batch)

S.No	Salary	Offers	Companies
1	10 LPA and above	2	BYTS, IFMR
2	7 - 10 LPA	78	Tiger Analytics, TCS Digital, Capgemini Digital, Rently, Presidio, Thoughtworks, Codingmart, Quinbay
3	6-7 LPA	110	CTS - GenC Next, Soliton, KAAR, Juspay, Presidio, Odessa Mitsogo, Sirius, Multicoreware, Rently, Temenos
4	5-6 LPA	51	Zohocorp, Eunimart, AppviewX, HackwithInfy(Infosys), Appranix, Maple Labs, Mistral, TAGIT, CRON J, Aptean,
5	4-5 LPA	521	CTS- GenC, CTS - Elevate, LMW, Accenture, Capgemini, Vuram, Accenture Pega, I AM NEO.AI , Zohocorp, Infosys Pega, Buddi. AI, Zifo RnD Solutions, RFPIO, RFPIO Devops, Mphasis, Areteans Pega, Virtusa Pega, E-Con Systems, Dhyan Networks, RFPIO(QA), Aaseya Pega, Matrimony, BYTS, Inovawe Technology, Virtusa - Neural Hack, Ford Motors, Ugam Solutions, Cloud Assert Technologies, Accenture Innovation Challenge, Episource India, Admindroid, Gofrugal (Content Writer), Madura Garments, Revature, Kalycito Infotech
6	3-4 LPA	571	TCS Ninja, TCS Pega, Wipro, Aspire Systems, L&T Technology Services, Tech Mahindra, Infy TQ (Infosys), Unilogic, Timber Truss, Value Add Research and Analytics, Vimishai Tech, Cientra TechSolution, Detect Technologies, CoIndSyz Software Solutions, RFPIO (Support), Best Corporation, Trustrace, KAN Innovations, AidasTech, Tata Elxsi, Apex UAV, Procyon, Stelling Technologies, CESIL LTD, CHENNAI SILKS, SUPER DRY
7	2.5 - 3 LPA	180	Base Automation, Staffice Global, Resource Access Management, Infosys, Sureti IMF, Notesduniya, Acara Solutions, Browse for Jobs, MaxEye Technologies, Apex UAV, TETRA KNITS, Bull Machines, Sky Cotex, Incredible Jobs, Balasubramanian & Co, Bharat Financial, Schnell, Propel Industries, Aero Crop Care
	Total	1513	

Journal Publications

- Faculty members of the Mechanical Engineering Department Mr Jayakumar N/AP, Dr G Senthilkumar/ Prof., and Mr Pradeep AD / AP-II, published a research paper entitled "Effect of Printing Parameters of 3D Printed PLA Parts on Mechanical Properties," in the Journal of Engineering Research (JER), November 2021. ISSN: 23071877, pp. 1–16, DOI:10.36909/jer.ICMMM.15697. Impact factor: 0.62. The journal is indexed in Scopus, Web of Science & SCI.
- Mr KB Prakash, Mr C Subramaniyan, Mr M Chandrasekaran, Mr B Kalidasan, Assistant Professors and Dr A Amarkarthik, Professor/Mechanical Engineering, published a research paper entitled "Experimental Analysis of the Vapour Compression Refrigeration System with Microchannel Condenser using R134a and R1234yf Refrigerant" in the Journal of Engineering Research, November (2021). ISSN: 23071877. DOI:10.36909/jer.ICMMM.15661. Impact Factor: 0.62. The journal is indexed in Scopus, Web of Science and SCI.
- Dr Anandhamoorthy A, Associate Professor/Mechanical Engineering, published a paper on "in vitro Cytotoxicity examination of the seashell and fish scale substances embedded with high degree of compactness in polyethylene composite, in the Journal of Engg. Research, with an impact factor 0.62, DOI: <https://doi.org/10.36909/jer.ICMMM.1243128.11.2021>.
- C. Akshhayya (2017-2021 Batch) and Dr. S. Sudheer Khan, AP-II, published a paper entitled "Construction of S-scheme heterojunction CuFe₂O₄/ -MnO₂ with tuned bandgap for enhanced white light harvesting: Insights of photoluminescence, Raman scattering & photocatalysis", Surfaces and Interfaces , Vol: 27 (2021), 101523. This journal has been indexed in Science Citation Index, Web of Science, and Scopus. (Impact Factor: 4.837). This publication is an outcome of Nanobiotechnology laboratory and Molecular Diagnostics and Biomolecule Characterization Laboratory (Special lab).
- Dr. S Jegadheeswaran, Head of the department of Aeronautical Engineering has published a research article entitled "Experimental Investigation on Finned Solar Still with Enhanced Thermal Energy Storage" in Journal of Thermal Science & Engineering Applications. The journal is published by American Society of Mechanical Engineers (Impact factor: 1.47) & indexed in SCImago, SCOPUS, Science Citation Index (Web of Science) and Science Citation Index Expanded (SciSearch).

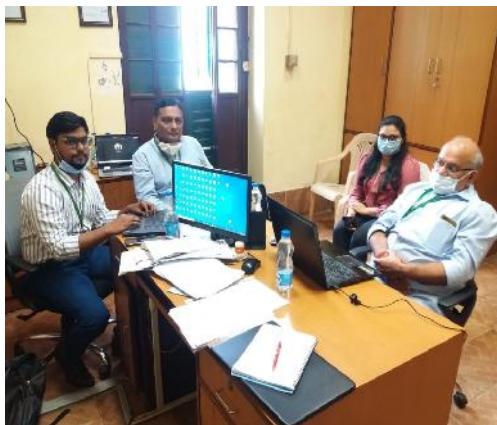
Journal Publications

- Dr Subrata Das (Professor, Department of Fashion Technology) along with Dr. Arunava Das, Professor & Head, Faculty of Life Sciences, Mandsaur University, Madhya Pradesh, published a research article entitled "Characterization of aroma and antibacterial activity of Jasminum Officinale on knitted cotton textiles", in Asian Dyer (Scopus indexed), Volume 18, No. 4, Aug – Sept 2021, Page 34-40. ISSN 0972-9488. The paper was an outcome of the work carried out under multi-disciplinary SIG-156 – "Aroma, Antimicrobial & Allied Finishes on Fashion Textiles" involving Life Sciences, Mandsaur University, Madhya Pradesh and multi-disciplinary special lab "Molecular Diagnostics & Bio-molecule characterization Lab" of B.I.T.
- B. Hari Kumar (182BT136), final year Biotechnology and Dr. S. Sudheer Khan, Assistant Professor – II, Department of Biotechnology published a paper entitled "Chitosan capped Ag/NiS nanocomposites: A novel colorimetric probe for detection of L-cysteine at nanomolar level and its anti-microbial activity", International Journal of Biological Macromolecules , Vol: 193, pp: 2054–2061. This journal has been indexed in Science citation index, Web of Science, and Scopus. (Impact Factor: 6.953). This publication is an outcome of Nano biotechnology laboratory and Molecular Diagnostics, and Bio molecule Characterization Laboratory (Special lab).
- Dr V Sathish, AP-II/Chemistry, published an article titled, "A novel colourimetric, selective fluorescent "turn-off" chemo sensor and biomolecules binding studies based on iodosalicylimine Schiff-base derivative" in the Journal of Photochemistry and Photobiology A: Chemistry, 425 (2022) 113674. IF=4.291. The paper was written in collaboration with Fu Jen Catholic University, Taiwan.

Faculty Members Awarded

- Dr KP Kannan, Associate Professor/Biotechnology and Staff in charge of Fungal Diversity and Fungal Biomolecules Research Laboratory (FBBRL), has been awarded the CV Raman Prize for the Year 2021, in recognition of his outstanding professional and research achievements in the field of Biotechnology, by the Institute of Researchers, Wayanad, India - are search unit of ISPL, Registered with Ministry of MSME, Govt of India. The award was conferred on 20 December 2021.
- Dr S Sudheer Khan, MDBC Special Lab, Department of Biotechnology, was given the International Research Excellence Award 2021 in the field of Nanobiotechnology on 18 December 2021. The award was conferred by the Executive Council of Center For Professional Advancement (CPACE) in the Global Annual Education & Research Summit 2021.

Faculty Deputed as NABCB Technical Expert for International Audit



Dr Subrata Das, Professor/Fashion Technology has been deputed as a Technical Expert did Witness Assessment of Ecocert-India at Ganges Jute Private Limited, Shyamnagar, West Bengal on 30 November 2021. The assessment was done as per GOTS and OCS standards on behalf of the National Accreditation Board for Certifying Bodies, Quality Council of India. The audit was done by experts from India and France.



Patent Published

Mr R Velnath, Dr T Rajesh and Mr S Sudhahar, AP/EIE, published a patent titled "IoT Based RFID Attendance Monitoring System of Students Using ArduinoESP8266 & Adafruit.Io ON DEFINED AREA", on 29.11.2021. Patent Application No: 202041011402 was filed on 18.03.2020 with reference CBRnumber:26565 21/12/86699. The patent is an outcome of the SIG-48 Control System Design for Linear and Nonlinear Control Systems.



Best Research Paper Award

Mrs.P.Dhivya AP/CSE and Dr.A.Bazilabalu , HoD/AIML presented a paper entitled " Complex Pattern Recognition using Feedback Algebraic Activation Function" in the Second IEEE International Conference on Communication, Computing and Industry 4.0 (C2I4-2021) hosted by CMR Institute of Technology, Bengaluru, Karnataka, India. This paper was selected as the Best Paper amongst presented papers in the conference.

Patents Filed

Mrs Saranya DV, AP & Head / Fashion Technology, filed a patent on "A Five-Way Convertible Ornamental Accessory", along with the student members of the Art and Design Laboratory P SrinithiVarshini, Aiesath Jakkia HameedSheihana, S Shivani, S Anusha, S Pavithra and K Srimath.

<p>PATENT OFFICE INTELLECTUAL PROPERTY BUILDING G.S.T. Road, Govt. Galaxy Chemicals 600012 Tel.no.: 091-22501424/250264-44 Fax no.: 041-22530066 E-mail: ipo@ipoindia.gov.in Web Site: www.ipindia.gov.in</p>					
 WORLD TRADE CENTER GOVERNMENT OF INDIA					
 INTELLECTUAL PROPERTY INDIA GOVERNMENT OF INDIA					
Date/Time: 23/10/2022					
Agent Number:					
CHILLAH - TRA DOCKET NO: 881791 To, SARANYO D DEPARTMENT OF FASHION TECHNOLOGY, BANNARI AMMAN INSTITUTE OF TECHNOLOGY, SATHYAMANGALAM ENNDE, TAMILNADU - 635401 saranyo@bit.ac.in					
Sr. No.	CBM No.	Reference Number / Application Type	Application Number	Title/Remarks	Amount Paid
1	38833	ORDINARY APPLICATION	20214160489	A FIVE WAY CONVERTIBLE ORNAMENTAL ACCESSORY	1750
2		E-1019780251-CHE		Correspondence	0
3		E-20967291-CHE	20214160489	Reply	0
4		E-3000000001-CHE	20214160489	Final	0
5		E-527472301-CHE	20214160489	FeesB	0
Total: 1750					
Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) through					
Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rupees	
Draft	Caxis Bank	986113	11/10/2021	1750	
Note: This is electronically generated receipt hence no signature required.					

Data Science Lab faculty members Dr A Bazila Banu, HoD/AIML, and Mrs M Karthiga, AP/CSE, filed a patent entitled, "Handy Mosquito Repellent Device" with Application Number: 352720-001, Dated on 08/11/2021.



Institutional Events

BIT Ranked 1st in Data Quest-CMR Digital Index Survey 2021

DATAQUEST-CMR DIGITAL INDEX SURVEY 2021

Ranking of the Best 100 Tech-enabled engineering colleges in the country

HIGHER EDUCATION
Conference & Awards

EMPOWERING THE NEXT GEN

Detailed in-depth sessions and panels on India's educational transformation, innovation, skilling, cybersecurity and policies in the New Normal and beyond

100 pages including cover

Special Subscription offer on page 64

BIT has been ranked first among the Top 10 Private T-Schools and Top 10 Private Institutions in India, in the Data Quest-CMR Digital Index Survey 2021. The ranking was announced in the survey which provides the ranks for 100 Best Tech Enabled Engineering Colleges in the country, in volume 11 published in

November-December 2021. In addition, BIT is also ranked 2nd among Top-100 Tech-enable T Schools, and in Top 10 Zone wise Institutions in South Zone.

Top 10 Private Institutes

NAME OF INSTITUTE	CITY	RANK
Amrita Institute of Technology	Salem	1
O�hna University	Pune	2
B. S. Abdur Rahman Crescent Institute of Science and Technology	Chennai	3
K.L.G. College of Technology	Chennai	4
M.K.A. Engineering College	Chennai	5
Indraprastha Institute of Technology	Gurgaon	6
Manav Bhawan Institute of Technology	Delhi	7
Gujarat University	Gandhinagar	8
Guru Nanak Dev Engineering College	Punjab	9
Dr. T.S. Neeraj Singhania Dr. Sugathakumari P.G. Institute of Science and Technology	Chennai	10
D.Y.T.J. Polytechnic Institute	Pune	11

Top 100 Tech-enabled T-Schools

INSTITUTE NAME	CITY	RANK
International Institute of Information Technology Hyderabad	Hyderabad	1
Amrita Institute of Technology	Salem	2
College of Engineering, Pune	Pune	3
Dr. S. R. Ambedkar National Institute of Technology	Jabalpur	4
O�hna University	Pune	5
Indraprastha Institute of Information Technology	Delhi	6
Vel Tech Satya University of Technology	Delhi	7
Manav Bhawan Azad University of Technology	Noida	8
International Institute of Information Technology, Visakhapatnam	Visakhapatnam	9
B.S. Abdur Rahman Crescent Institute of Science and Technology	Chennai	10

Top Private T-Schools

INSTITUTE NAME	CITY	RANK
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Manav Bhawan Institute of Technology	Delhi	7
Gujarat University	Gandhinagar	8
Guru Nanak Dev Engineering College	Punjab	9
Dr. T.S. Neeraj Singhania Dr. Sugathakumari P.G. Institute of Science and Technology	Chennai	10
D.Y.T.J. Polytechnic Institute	Pune	11

South

NAME OF INSTITUTE	CITY	RANK
International Institute of Information Technology Hyderabad	Hyderabad	1
Amrita Institute of Technology	Salem	2
B. S. Abdur Rahman Crescent Institute of Science and Technology	Chennai	3
K.L.G. College of Technology	Chennai	4
M.K.A. Engineering College	Chennai	5
Indraprastha Institute of Technology	Gurgaon	6
Dr. T.S. Neeraj Singhania Dr. Sugathakumari P.G. Institute of Science and Technology	Chennai	7
Dr. M. Venkateswara Rao Engineering College, Palacherry	Palacherry	8
Kerala Agricultural Education Foundation University P. G. College of Engineering	Vellayani, Kozhikode	9
The Oxford College of Engineering	Bengaluru	10

Competency Development Programme (Success Assurance Program Phase I)

A Competency Development Programme was organised for 56 students of II BE ECE, EIE, and BME to enhance employability in the core engineering industry. The training was offered by Prof. Jayaraman K, for all the students and some faculty members. The event was conducted from 15 – 18 December 2021 and was jointly organised by Dr C Poongodi - Professor & Head/ECE, Dr C Ganesh Babu - Professor & Head/EIE, and Dr D Deepa - Professor & Head/BME. This phase of the training was coordinated by Dr S Elango, AP-II/ECE and Mr S Tamilselvan, AP/ECE.



Institutional Events

Chairman Visit to Gurugulam



Chairman, Thiru SV Balasubramaniam, visited BIT Gurugulam on 06.12.2021. He was accompanied by a guest, the Trustee Dr MP Vijayakumar, Principal Dr C Palanisamy, and Dean PDS Dr K Sivakumar. During the visit, the chairman and trustee interacted with the first-year ECE, BME, and ISE students. They encouraged the students to make use of the opportunity.

Chairman Visit to Special Labs



Chairman, Thiru SV Balasubramaniam, visited the BIT Special Labs on 06.12.2021. He was accompanied by a guest, the Trustee Dr MP Vijayakumar, Dean PDS Dr K Sivakumar, and Principal Dr C Palanisamy. During the visit, the chairman interacted with the students and encouraged them to involve in product development.

Institutional Events

Institutional Events

Trustee Interaction with First-Year Girl Students



Trustee Dr MP Vijayakumar interacted with the first-year girl students of all departments on 01 December 2021. During the interaction, he emphasised the general discipline and advised the students to concentrate on their studies with a focus on their future goals. He also explained how BIT provides academic freedom and how students can use the facilities for their career development.



Trustee Visit to Special Labs

Dr M P Vijayakumar, Trustee visited the BIT Special Labs on 08.12.2021. He was accompanied by the Dean PDS Dr K Sivakumar.

During the visit, the Trustee interacted with the students and motivated them to be involved in product development.



Department Events

AI Based Automation Lab Organises Industry Training Programme

The AI Based Industrial Automation Lab organised a 3-day face-to-face hands-on training on "Smart Factory Automation" from 17 – 19 December 2021. The resource persons from Delta Electronics India Pvt. Ltd., Coimbatore, include Mr Dinesh, Deputy Engineer, Mr. Gangatharan, Mr. Thangadurai from RD automation and Mr Kathirvel, Senior Engineer. Fifteen students attended the training program. The training schedule includes:

Day 1 - Panel wiring and introduction to smart factory automation.

Day 2 - Position control of servo motor and SCARA robot.

Day 3 - Sensor interfacing and VFD based speed control.



The event was coordinated by Mr R Sivabalakrishnan, AP-II/MTRS, Mr GM Oorappan and Mr K Yuvaraj, AP-II/MTRS.

Guest Lectures organised

The Department of EEE conducted a guest lecture on the topic "Hardware Development Lifecycle" on 19.12.2021. The session was handled by the industry person Mr Mothinathan L, Electrical Engineer, QuEST Global, Bangalore. Mr Nivesh Kumar K, AP-I/EEE and coordinated the session. Forty students of II & III BE EEE attended the session.

The Department of EIE, in association with the students' chapter of ISTE and IIC, organised a guest lecture on the 'Process Automation – A Brief Introduction' on 29.12.2021. Kuladeepan S, Lead Senior Engineer, Emerson Electric Corporation, Canada, was the resource person. Dr C Ganesh Babu Prof & Head, Dr S Arun Jayakar, Dr S Sudhahar, Mr S Sakthiyaram and Mr RDhanasekar, AP/EIE, coordinated event.

The Department of EEE organised an online guest lecture on the topic "Remote Sensing and Digital Image Processing for Electrical Engineers" on 18 December 2021. The session was handled by Ms S Shanmuga Priyaa, Project Scientist, CEE Group, NIOT, Chennai. The event was coordinated by Mr S Balavignesh/ AP-EEE. Seventy-two students from Energy Storage and Conversion Special Lab and II, III & IV BE EEE attended the lecture.

Department Events

International Conference Organised by Mechanical Engineering

The Department of Mechanical Engineering of BIT organised the Second International Conference on Advances in Materials Research ICAMR 2021 during 03-04 December 2021. Dr G Kumaresan, Associate Professor/ Mechanical Engineering, welcomed the delegates and read the conference report. Principal, Dr C Palanisamy, presided over the inauguration function. Dr Ahmet Salim Dalkilic, Professor/Yildiz Technical University, Turkey & Editor-in-Chief of the Journal of Thermal Engineering, was the Chief Guest. Mr Aloysius Daniel, Head- Application Specialist Material Science Division, Carl Zeiss India Pvt Ltd, Bengaluru, was the guest of honour. Dr C Sasikumar, Head of Mechanical Engineering, proposed a vote of thanks.

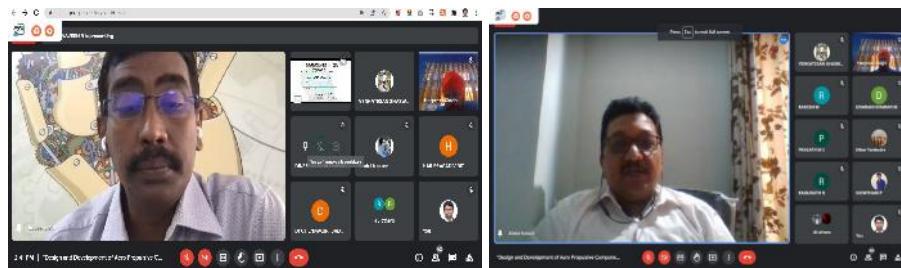


Totally 120 papers are received for the conference, and selected papers will be published by the conference publication partners SAGE Journal of Reinforced Plastics and Composites, Springer LNME, Scientific.net.

Aeronautical Engineering Organised 5-day Virtual Workshop

The Department of Aeronautical Engineering & SoftInWay Digital Engineering Private Limited, Bengaluru, organised a 5-day virtual workshop on "Design and Development of Aero Propulsive Components using AxSTREAM® software" during 10 – 15 December 2021. The sessions were organised on 10.12.2021, and the resource person for the first session Dr Thirumoorthy, Scientist-F, ASL, DRDO, Hyderabad, delivered the lecture on Aerospace Propulsion. The second session was handled by Mr Abdul Nasser, Managing Director, SoftInWay Digital Engineering Private Limited. He explained the role of simulation tools in designing and developing advanced turbomachinery. Faculty members, research scholars, students from BIT and other institutions participated in the workshop.

Dr S Jegadheeswaran, HoD/Aero and Head R&D, welcomed the



participants. The event was coordinated by the faculty members of Aeronautical Engineering, Mr A Sundaramahalingam and Mr R Naveen.

Guest Lecture on Sustainable Fashion and Ethical Marketing

The Department of Fashion Technology organised a Guest Lecture on Sustainable Fashion and Ethical Marketing on 10.12.2021. Mr R Indrajith, Head/Business Development, The South India Textile Research Association, Coimbatore, was the resource person. He spoke on the importance of moving towards sustainability by explaining the concepts of upcycling, recycling and downcycling, and sustainable fibres.



EDAL Training on Advanced Drives Using Siemens Drives

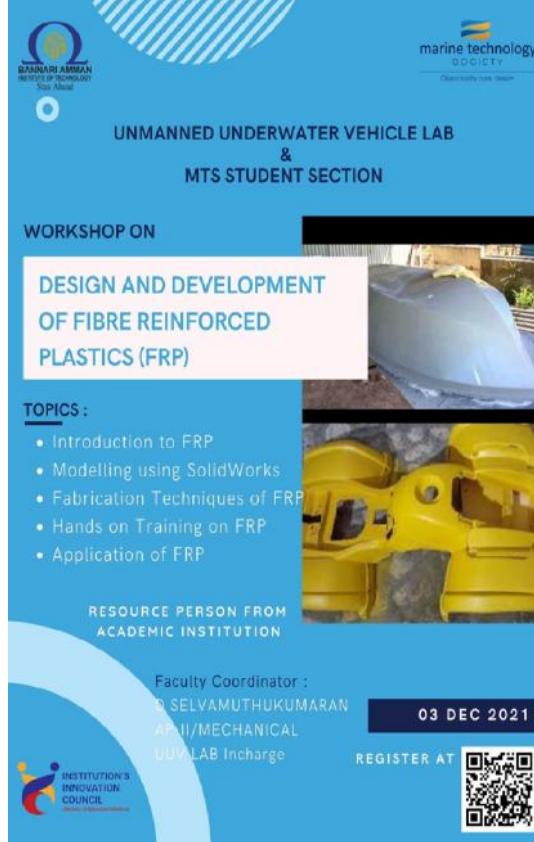


Electric Drives and Automation Lab has conducted an advanced drives training programme on 21.12.2021. Forty-eight students of II BE EEE participated in this Batch-II training. They learnt the basic operation of the G120 drive and configured the drive using Siemens SimStarter software and TIA 6 plc Software, and functional blocks of S120 drive and 6RA80 DC Drive.

Department Events

Workshop on Design and Development of Fibre Reinforced Plastics for Marine and Automobile Applications

Unmanned Underwater Vehicle Lab, in association with BIT MTS Student Section, organised a workshop on "Design and Development of Fiber Reinforced Plastics (FRP) for Marine and Automobile Applications" on 03.12.2021. The resource person was Mr M Prem Kumar, Third Dimension, Erode. He introduced FRP applications in the Marine and Automobile Industry and provided hands-on training on FRP Fabrication Techniques. The event was coordinated by D Selvamuthukumaran, AP/Mechanical Engineering and faculty in charge of the UUV Lab. Twenty students attended the session.



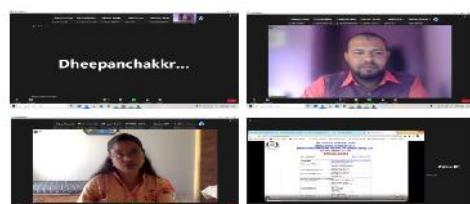
Guest Lecture organized by Department of EIE

The Department of EIE organised a guest lecture on the Role of Instrumentation in Soliton Technologies, in association with the Students Chapter of ISTE and IIC, on 23.11.2021. Mr Rasswanth S, Project Engineer, Soliton Technologies, Bangalore, was the special invitee.

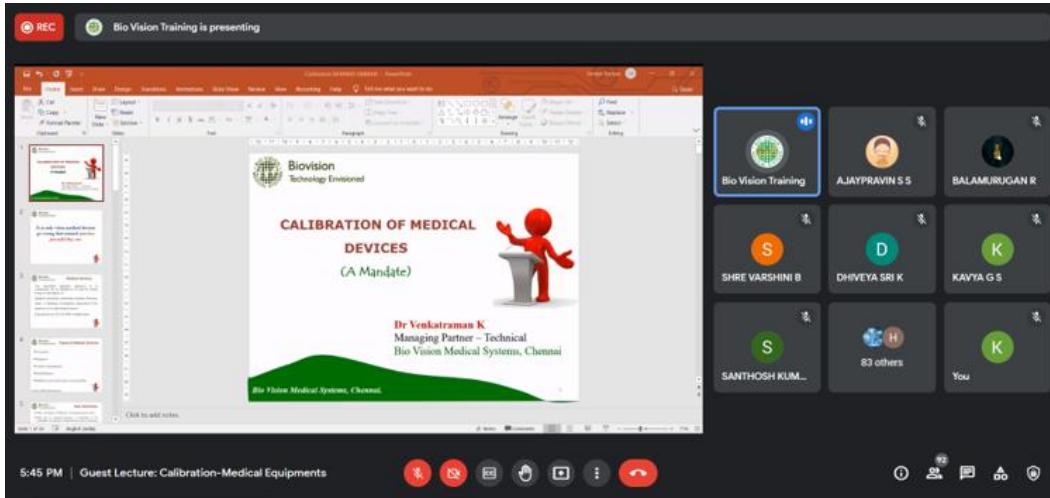
Dr C Ganesh Babu, Prof & Head, Dr S Arun Jayakar, Mr T Rajesh, Mr S Sakthiyaram and Mr R Dhanasekar, AP/EIE coordinated the event.

International Conference Organised by EEE

Department of Electrical and Electronics Engineering organised an International Conference on Energy Power and Integrated Circuits (EPICS'2021) on 22 & 23 December 2021. Dr C Palanisamy, Principal-BIT, delivered the presidential address and released the conference proceedings. Mr Mohammed Akmal, Head Training division, Siemens India Pvt. Ltd delivered the inaugural address. Ms Lavanya, Scientist, Advanced System Laboratory, DRDO, Hyderabad, was the guest of honour. Dr P Sivaraman, Associate Professor & Head/EEE welcomed the delegates and Dr Dheepan Chakkaravarthy, AP/EEE, read the conference report. Dr Goldwin Sugirtha Dhas, AP/EEE proposed the vote of thanks.



Calibration-A mandate for Medical Equipment



The Department of Biomedical Engineering organised a webinar on "Calibration-A mandate for Medical Equipment" on 02.12.2021. Dr K Venkatraman, Technical Manager, Biovision Medical Systems, Chennai, was the resource person. He explained the importance of calibration regarding medical equipment with the real-time scenarios experienced in hospitals. Dr D Deepa, HoD/BME, convened and Ms GS Kavya and Ms A Rasheedha, AP/BME, coordinated the event attended by 119 participants, including faculty members and students of the Department of Biomedical Engineering, BIT.

Hands-on Training on Shrink Wrapper Packaging Technique



Department of Food Technology organised a 1-day workshop on 'Shrink Wrapping Packaging Techniques'. The expert, Mr Murugesan, IPK Packaging India Pvt Ltd., provided training on novel packaging techniques called Shrink Wrapping.

Virtual National Conference Organised by SMS

School Management Studies (SMS) organised a virtual national conference on "Metamorphosis of Modern Management and Research (NC 3MR 2021)" on 29 December 2021.

Mr Suneet Kumar, Cluster Manager - HR, Larsen & Toubro, Chennai, was the Chief Guest for the inauguration.

Dr P. Saravanan, Professor - Finance and Accounting, Indian Institute of Management (IIM), Trichy was the Keynote Speaker. The conference received more than 103 papers across the country, of which only 42 papers were accepted for presentation.

The sessions were chaired by Mrs B Nandhini and Mr JM AntonyRaj, AP/SMS. The conference was convened by Dr J Ashok, Professor & Director, School of Management Studies (SMS), and coordinated by Mr S Nagarajan, AP/SMS.

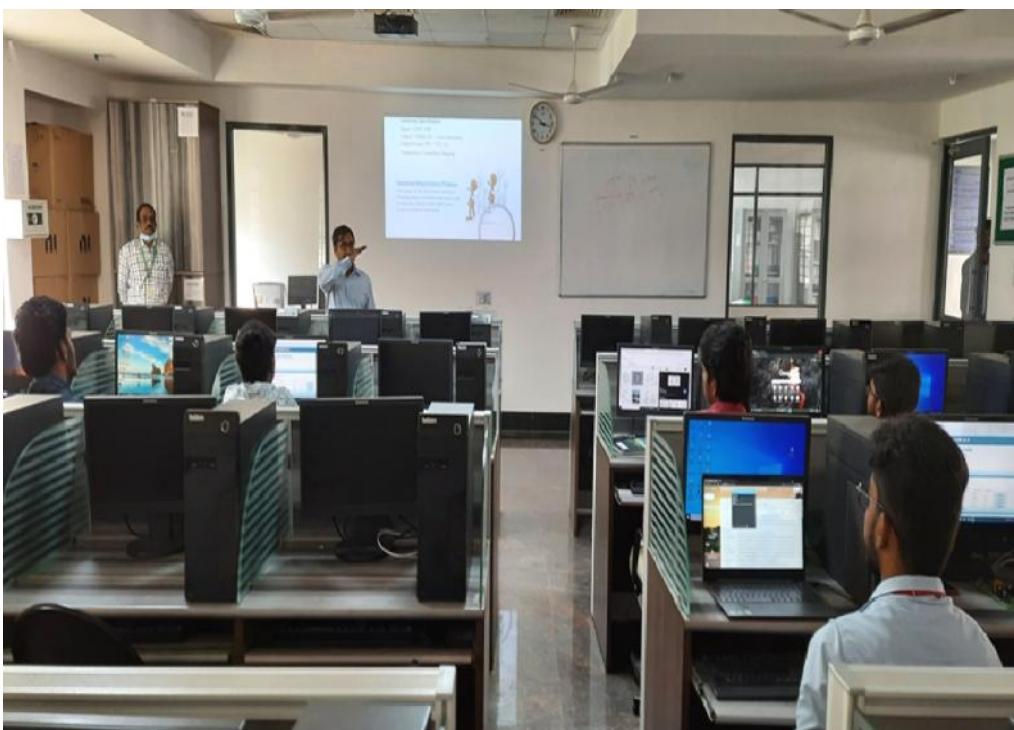
Department Events

SHI Special Lab - Training Programme

Smart and Healthy Infrastructure
Special lab organised a one-day Workshop on "Green Building Materials" on 29.11.2021. Dr.Jayachandran, Director, Marutham Group of Developers Pvt Ltd, Chennai handled the session. The expert discussed about the green building and its principle and How Retrofit plays a vital role in the Current construction industry. At the end of the session he visited SHI special lab, and interacted with students about the green buildings.



Hands-on Training - ECE



The Department of Electronics and Communication Engineering organized an off line one-day hands on training on "Design and Develop Smart Protection Features for a versatile Analog Battery charger for EV applications" on December 17, 2021 at Signal Processing laboratory of ECE Department. The resource person was Mr. S. V. Sreeraj, Director — Technical abd Operations, EmCog Solution Chennai. The second year students of ECE Department participated in the training program. Dr. C. Poongodi, HoD/ECE welcomed the chief guest and the gathering. The event was organized by Dr. A. John Clement Sunder, Assistant Professor – III of ECE Department.

Department Events

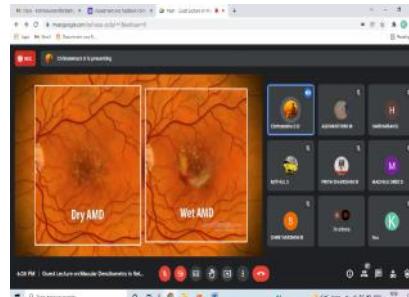
Soil Testing Consultancy

The Department of Civil Engineering undertook soil consultancy testing work at the Nambiyur market on 30.11.2021. The testing was carried out by Mr JEEVANANTHAM /AP, and Mrs V PREETHA, AP-II, along with senior technicians Mr Mahesh Kannan and Mr Senniapan.



Guest Lecture organized by Department of Biomedical Engineering

The Department of Biomedical Engineering organised a guest lecture on "Macular Densitometry in Retinal Disease" on 16.12.2021. Ms SD Chitralekha, Research Optometrist, SankaraNethralaya Medical Research Foundation, Chennai, the resource person of the session, spoke on the application of Color theory in the retina, macular pigments and screening. Mr S Krishnakumar, AP/BME, coordinated the session, in which 97 students and staff from BIT and other colleges.



TNSI Award 2021 Guidance Programme

Udyami EDC and BIT Startup Park organised a webinar titled "TNSI Award 2021 Guidance Programme" on 23.12.2021. Mr S Sam Jaikumar, TNSI Coordinator, EDII, Coimbatore, was the resource person. The webinar is a part of the TNSI-2021 (Tamil Nadu Student Innovators), a flagship programme initiated in 2017 that identifies student innovators all over Tamil Nadu and fosters them in building a Minimum Viable Product and converting their ideas into start-ups. The event was attended by 900 students and coordinated by Dr M Senthamarai, AP-II/ Biotechnology and staff coordinator of Udyami EDC, and Mr MR Prathap, AP/BME and staff in charge of BIT Startup Park.



Department Events

Workshop on Vision on REST API

The Department of Information Technology organised a webinar titled 'Vision on REST API' on 02.12.2021. The resource persons were Mr MuthuKrishna PT, Developer - MapleLabs from Xoriant Technologies and Mr B Tamilvanan, Software Developer, TCS, Bengaluru. The event was coordinated by Ms KS Suganya, & Ms A Bharathi, AP/IT and convened by Dr S DanielMadanRaja, Associate Professor & Head/IT. Thirty-four students from II BTEch IT attended the session.



Guest Lecture on Exploring Machine Learning and Deep Learning Techniques Organised



Algorithms and Tools, Dataset Exploration and Impact of Machine Learning in Automobile Industry. The event was coordinated by Mr G Ranjith and Mrs S Nithyapriya, AP/AI & DS. Fifty-one students and faculty members attended the session.

MBA Guest Lecture on Introduction to Indian Securities Market

The School of Management Studies (SMS) organised a guest lecture on "Introduction to Indian Securities Market" on 02.12.2021.

The session was handled by Mrs NK Gowripriya, Senior Manager - Smallcase, Bangalore. The event was coordinated by Mr JM Antonyraj and Mr S Nagarajan, AP/SMS.



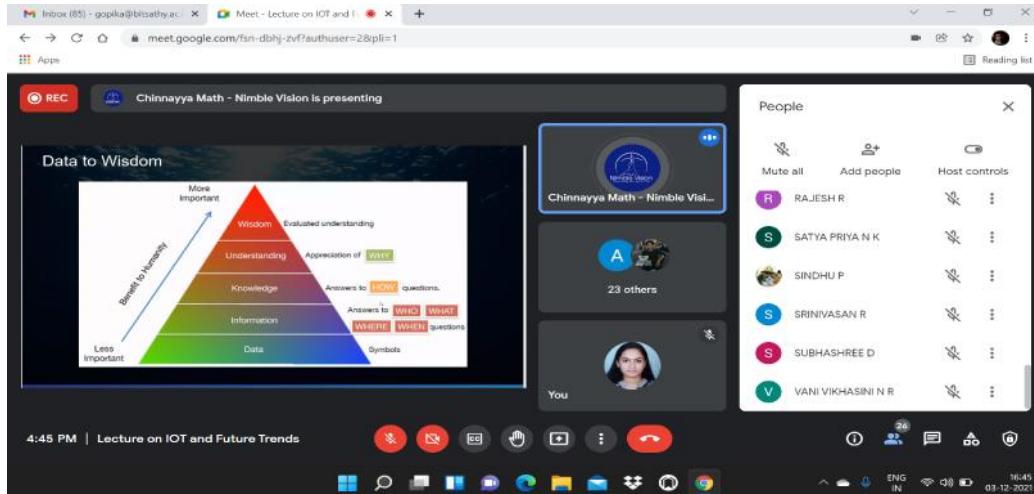
COVID' 19 Health & Safety Measure

BIT Medical Team, with the help of non-teaching staff, is screening all students and staff on the campus daily to identify and prevent Covid 19 occurrence inside BIT Campus.

Department Events

Guest Lecture Organised by EEE

The Department of EEE organised an online guest lecture titled "IoT Fundamentals and Future trends" on 3 December 2021. Mr Chinnayya Math, CEO, Nimble Vision Pvt Ltd, Bangalore, was the resource person. He addressed the key aspects of different connectivity interfaces based on the application and customer needs. The event was coordinated by Mrs NP Gopika, AP/EEE. Forty-six students from II & III BE EEE attended the lecture.



Guest Lecture Organized by Department of EEE

The Department of EEE has organized an online guest lecture on the topic "Data Processing, Analytics and Reporting" on 9th December 2021 from 6.00 pm – 7.00 pm. The session was handled by Mr. Agnel Rozario, Functional consultant, TCS, Chennai. The event was coordinated by Mr. N. Rishikesh(EE10652), Assistant Professor, EEE. 45 students from II & III year attended the lecture. The resource person addressed the key aspects of data processing and analyzing various data (Analytics) and its types, cloud storage and Power BI to the students.

Guest Lecture Organised



A Guest Lecture on "Choosing the Right Career and Self Preparation Towards Getting Placed" was organized by Energy and Thermal Product Design and Development lab and Department of Mechanical Engineering on December 11, 2021 (Saturday) at 4.15 PM. 56 students benefited from this guest lecture delivered by Ms. N. Dhanya, Senior Engineer, Impiger Technologies, Coimbatore.

Training on Ethical Hacking and Penetration Testing

The Cyber Security Special Lab, in association with Hackup Technology, organised a training programme on Ethical Hacking and Penetration Testing. Forty-six students from Cyber Security Special Lab enrolled for the training.

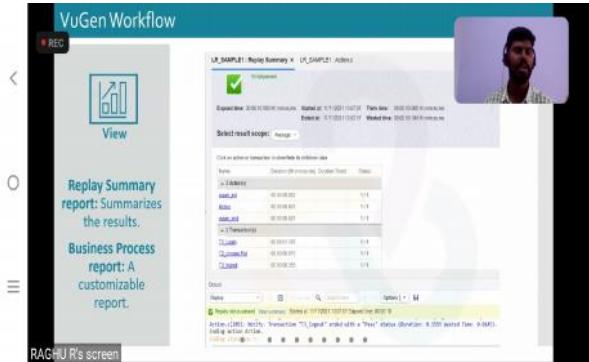
Department Events

Workshop on Performance Testing Series

The image is a composite of two screenshots. On the left, a presentation slide is displayed with the following text:

The Department of Computer Technology organised a workshop on Performance Testing Series on 27.11.2021. The resource persons were from Infor, Bangalore. They included Ms Bhuvaneswari Subramani – Director/Engineering Operations, Mr Kannan Periyasamy - Quality Assurance Analyst & Principal, Ms Ashapurna Mukherjee & Mr Raghu Ramasamy - Quality Assurance Analysts. The event was coordinated by Dr C Ramesh, Associate Professor & Head/Computer Technology. One hundred nineteen student participants and faculty members attended the session.

On the right, a computer screen shows the VuGen Workflow application. The main window displays a 'Replay Summary report' which summarizes the results of a performance test. Below this, a 'Business Process report' is shown as a customizable report. A sidebar lists various sessions and their details. At the bottom of the screen, a status bar indicates 'RAGHU R's screen'.



SKYVIEW (Startup) - UAV Lab Project Work

The team members from Startup - Skyview and UAV Lab executed the second-order on fertilizer spraying using Agri-drones on 7 December 2021. The team dispensed the necessary quantity of fertilizer prescribed by the plant nutritionist for a few acres of a banana plantation. The team earned positive feedback from the farmers and also received further orders.

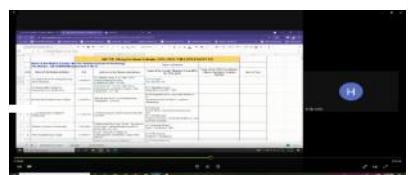


Margdarshan Scheme NBA Initiatives Meeting for Mentee Institution Auditors

Dr A Bazila Banu, Prof & Head/ AIML, conducted a Margdarshan Scheme NBA Initiatives Meeting for Mentee Institution Auditors on 01.12.2021.

Dr S Jegadheeswaran, Head-R&D and IIPC, Dr T Ramesh Kumar/IQAC Coordinator, Dr M Ravi Kumar, Professor/Mechanical, Dr R Balakrishna Raja/Associate Prof & HoD i/c./Food Technology, Dr P Sangara Vadivel/HR, Dr B Gopalakrishnan, Associate Professor/IT, Dr C Ramesh/Associate Professor & Head / CT, Dr D Deepa, Professor & Head/ BME and Dr Srinithya, AP/IT, were nominated as auditors for visiting the mentee institutions from December 2021.

Dr A Bazila Banu discussed the budget required for the audit and the detailed schedule for the visit till March 2022.



Tamil Manuscripts Reading Initiative by Integrated AI & Sensors Lab

Integrated AI & Sensors Lab is engaged in AI-Powered Tamil-palm-leaf manuscript reading. Mr Pravin Savaridass, faculty in charge of the lab, is training the deep-learning A algorithm on user-defined data sets developed from scratch to recognise the finest curvatures in Tamil calligraphy. This project on AI-Powered Tamil-Palm-Leaf-Manuscript-Reading may facilitate an MoU with Tamil University, Thanjavur.



Hands-on training on Testing and Calibration

Department of Biomedical Engineering conducted 1-day hands-on training on Testing and Calibration on 10.12.2021.



Mr Rex Vijayakumar R, Regional Manager, QMax Test Technologies Pvt Ltd, Chennai, was the resource person, and 50 students attended the event. The event was coordinated by Mr P Narendra Ilaya Pallavan, Mr V Prabhu, and Mr MR Prathap, Assistant Professors/BME.

Hands on Training

The Department of Food Technology organized a hands-on training in 'Spray Drying Techniques and Its Applications' on 15.12.2021.

Industry expert provided training to staff members and students on working process and handling of a spray dryer.



Awareness Programme on IPR

An awareness program on Intellectual Property Rights (IPR) was conducted on 27.12.2021 at BIT main Auditorium for all the I & II year students.

Mr P Hariprasath, Examiner of patents & Design, IPR Office, Chennai, was the Chief Guest. He talked about the



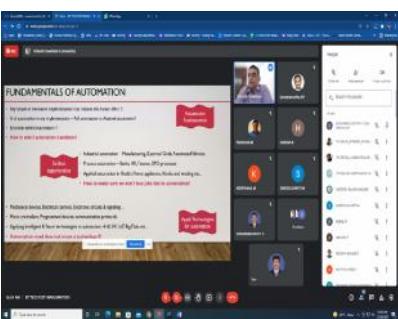
importance of filing a patent, the significance of a patent, how to use the IPR rights in different ways, utilising and commercialising the IPR, and the procedure for filing a patent. Three thousand five hundred students attended the event.

ELCC Verbal Training Conducted

A verbal and soft skills training programme was organised during 4 – 9 December 2021 for 156 pre-final year students by the English Language and Communication Cell (ELCC). This training helps students build on their professional skills and excel in placement interviews by focusing on verbal ability, resume preparation, group discussions, and HR interview. In addition, a verbal assessment and a mock HR interview also conducted at the end of the training programme.



BIT Techfest Smart Automation 2021



Mobile and Web Application Development Lab organised a national virtual technical event, 'Smart Automation', on 30.12.2021. Mr Srikanth Gowtham, Associate Group Manager - IT delivery, VFISLK

Global Services P.Ltd, Bangalore, was the chief guest for the inauguration and delivered a speech on the fundamentals of automation, automation candidate selection and job opportunities in the automation field. During the event, 20 teams from various engineering colleges qualified for the final round and presented their work and the working model in Smart Automation. The event was coordinated by faculty Dr S Sundaramurthy, Dr V Eswaramoorthy, AP-II / IT and Mr P Rajakumar, AP/IT.

International Awards for LEO Club and Member of LEO club



mega-club twinning program 2021 competition held from 18 July 2021 to 31 August 2021. BIT Leo club was ranked 4th among the 262 clubs that participated in the number of trees planted. Besides, LEO Deepika Bala Subramanian from Department of EIE received 'The Best Leo' title. The virtual event was coordinated by Dr Subhapriya P, Head/Chemistry.

The Leo Club of BIT has received an international award for planting more trees in the International



ELCC Conducted Speaking Assessment for I Year Gurugulam Students

The English Language and Communication Cell (ELCC) conducted a skill-based interview for the first-year students in Gurugulam. The students had a one-on-one interaction with the ELCC trainers, which helped them enhance their ability to express their activities.

Guest Lecture on Introduction to Data Science

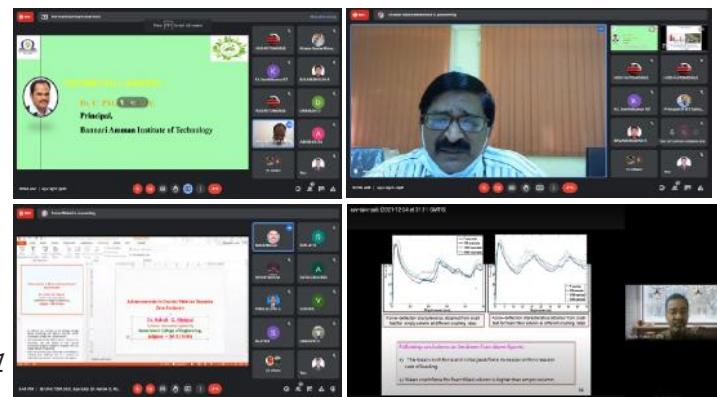
The Department of Artificial Intelligence and Data Science, in association with the "IAENG" Technical Society, organised a guest lecture titled "Introduction to Data Science" on 23.12.2021.

Mr K Lokesh, Technology Analyst, Infosys, was the chief guest. He addressed students on the concepts of Data Science applications, algorithms, tools and job opportunities.

The event was coordinated by Mr K Balasamy, AP-II /AI&DS. Ninety-One students and faculty members attended the session.

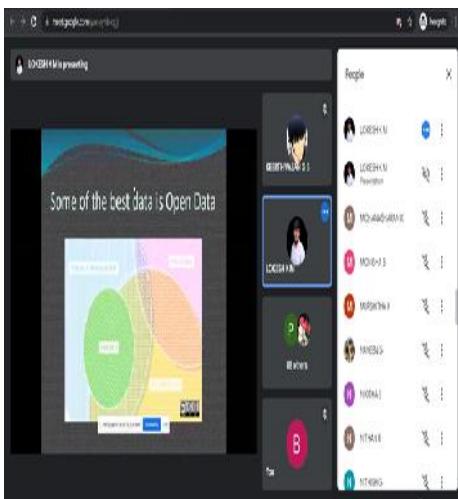
International Conference INCTGM 2021 Organised

The Department of Automobile Engineering organised the 5th International Conference on Technologies for Green Mobility (INCTGM) 2021 during 23-24 December



2021. The conference was Inaugurated by Mr M Kader Basha, Additional Director, Scientist Combat Vehicle Research & Development Establishment (CVRDE), DRDO, Government of India. Dr C Palanisamy, Principal-BIT, delivered the presidential address. Dr K L Senthilkumar, Head - Academics, BIT, delivered the inaugural address. The conference also included keynote addresses on Advancements in Electric Vehicles Toward Zero Emission, Crash Assessment of Automotive Structures and Fuel Cell Vehicles and Balance of Plants delivered by Dr Ashok G Matani, Professor/Mechanical Engineering, Government College of Engineering, Jalgaon, Dr Raghu V Prakash, Professor/Mechanical Engineering, IIT-Madras and Dr P Karthikeyan, Professor/Automobile Engineering, PSG College of Technology, Coimbatore. Five technical sessions on electronics in green mobility, technology advancements in green mobility, materials for green mobility, energy for green mobility, and future developments in green mobility were conducted, in which 180 participants from many organisations presented research articles.

Dr P Karthikeyan, Professor/Automobile Engineering, PSG College of Technology, Coimbatore, delivered a keynote during the valediction on 24-12-2021 and Dr S Jegadheeswaran, Head/R&D, IIPC, delivered the valedictory address. Dr M Bharathiraja, Head/Automobile Engineering, was the organising chairman, and Mr Saravanan B, Mr S Dhayaneethi, and Mr S Deepankumar, Assistant Professors/Automobile Engineering, were the convenors.



Guest Lecture on Building a Website using HTML & Laravel Framework

The Department of Artificial Intelligence and Data Science, in association with the "IAENG" Technical Society, organised a guest lecture on "Building a Website using HTML & Laravel Framework" on 24.12.2021. Mr Dhanasekar, Software Developer, Mallow Technologies, was the chief guest. He addressed students on designing a website using Front End and Back End Technologies. The event was coordinated by Mr G Ranjith and Mrs S Nithyapriya, AP/AI&DS. Thirty-three students and faculty members attended the session.

Guest Lecture Organised by AI & DS

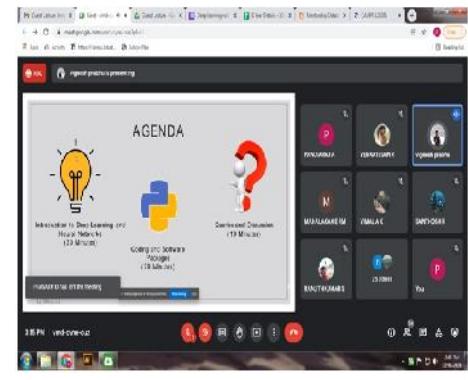
The Department of Artificial Intelligence and Data Science, in association with "Kaggle" Technical Society, organised a guest lecture on "How to start a career in the field of Analytics" on 25.12.2021. Mr Sravan Kumar, Data Analyst, Tiger Analytics, Chennai, was the chief guest. He addressed students on Data Analytics and Machine Learning tools. The event was coordinated by Mr G Ranjith and Mrs S Nithyapriya, AP/AI & DS. Thirty-one students and faculty members attended the session.



Guest Lecture on Deep Learning with Computer Vision

A guest lecture on "Deep learning with Computer vision" was organised on 16.12.2021 by the Department of Information and

Science Engineering. Mr Vignesh Prabhu Thangavel, Co-Founder & CTO, Native Guru, Chennai, delivered the lecture. Mr A Pandiaraj, AP/ISE, coordinated the event attended by 60 students.



Guest Lecture Organised by Mechanical Engineering

Department of Mechanical Engineering organized an interactive session on "Work culture in Titan Industries" on 25.12.2021. Mr Pradeep Kumar V, Manager (IT & Digital) Titan Company Limited, Bangalore, was the resource person. Dr P Mathan Kumar, AP/Mechanical Engineering, organised the session.

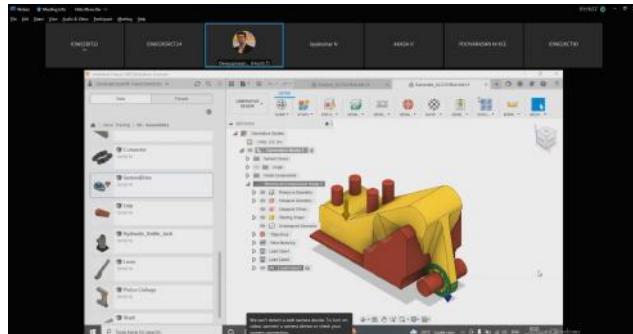


Guest Lecture on Startups Organised by AIML

A guest lecture on 'Startups' was organised by the Department of Artificial Intelligence & Machine Learning on 24 December 2021. Dr M Senthamarai, AP/Biotech and Coordinator for EDC & Startup Park, and final year students P Sakthivel (Aero) and G Sakthiarsivam (Biotech) conducted the sessions. Dr A Bazila Banu, Prof & Head (AIML), coordinated. Fifty-seven students from the AIML department attended the session.

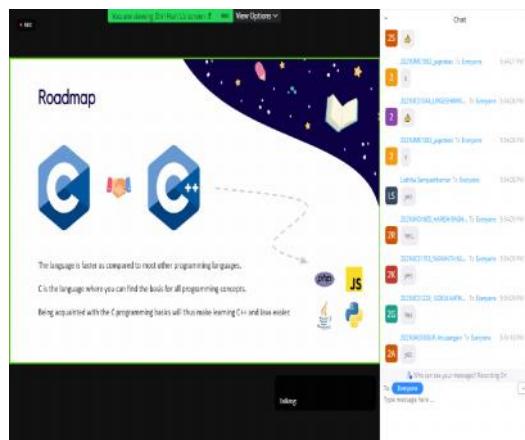
3-day Virtual Workshop on Fusion 360 by DPL

The Design and Prototyping Lab, in association with Autodesk & ICT Academy, organised a 3-day virtual workshop on Fusion 360 for the students participating in the 'Design Now Challenge'. The workshop was conducted on 20.10.2021, 10.12.2021, and 28.12.2021. The top team from the challenge will be eligible to participate in the "India Design week - 2022". Forty-three students of Mechanical and Mechatronics participated in the session.



Workshop on Leap to Learn- Fundamentals of Programming

The Department of Computer Science and Business Systems (CodeChef BIT Chapter) conducted a workshop on 'Leap to Learn A fundamentals of programming' on 22-12-2021 for the first-year students. Mr L Srihari, CodeChef BIT Executive team member, was the resource person. About 780 students from various departments participated in the workshop.



Workshop on Modern Data Warehousing

The Department of Information Technology, IAENG Technical Society and Mobile and Web Application development lab jointly organised a workshop on Modern Data warehousing on 29.12.2021. Mr V Mahesh Kumar, Lead Data Engineer, JCPenney, Bangalore, was the resource person. The event was coordinated by Dr V Eswaramoorthy, AP-II / IT, and was attended by 143 students.

Embedded Hardware Training by National Instruments

A hardware training for CLAD students was offered during 27 – 30 December 2021, through the National Instruments Centre of Excellence, by the Department of ECE.

Mr Prakash, Senior Application Engineer, Optithough, Chennai, trained the students and developed the projects through NI myRIO and NI My DAQ platform.

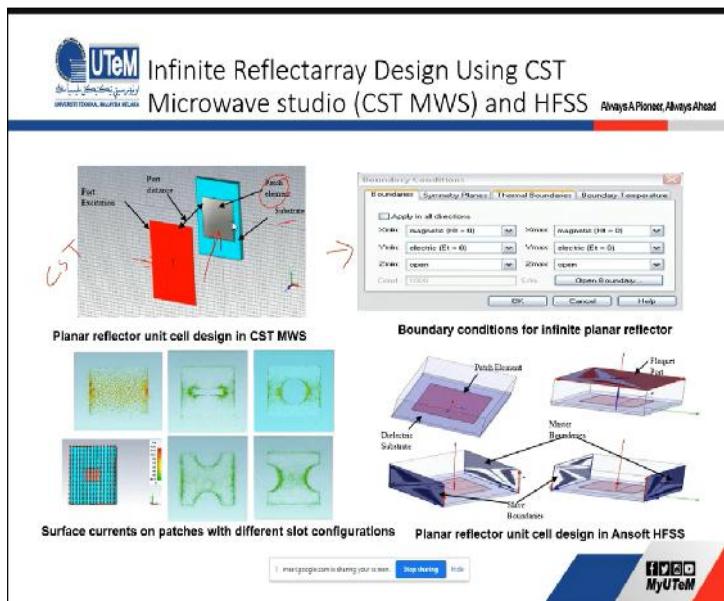
The programme was convened by Dr C Poongodi – Head/ECE and coordinated by Dr S Elango and Mr A Daniel Raj, Assistant Professors (Level-2)/ECE.



Introduction to Next Generation Reflectarray Antennas

The Department of Electronics and Communication Engineering and the Wireless Communication Special Lab organised a national level webinar entitled "Introduction to Next Generation Reflectarray Antennas" for II, III & final year students of BIT on 07.12.2021.

The session was coordinated by Dr C Poongodi, Head/ECE, and handled by Dr Muhammad Inam Abbasi, Senior Lecturer Universiti Teknikal Malaysia Melaka, Malaysia. The event was coordinated by Dr S Raghuraman, AP-II/ECE, Ms A Shyamala Prasanna, AP/ECE, and Mrs M Karthiga, AP/ECE. Forty students attended the session.



Data Science Lab organized BIT-TECHFEST EVENT - Dashboard FASCIA - 2021

As a part of the BIT-Techfest, the Data Science Lab organised a national level virtual technical event, 'Dashboard Fascia – 2021' on 17.12.2021. A pre-workshop was also conducted for all registered students on 13.12.2021. Sessions on dashboard design using Tkinter, React JS, Django Framework, Power BI, Dashboard Explainer & Tableau was handled by E Loganishanth (191CS204), KV Nithiesh (191CS231), R Srihari (191CS298), M ThamaraiKannan (191CS323), N Sangavi (AP/CSE), P Dhivya(AP/CSE) & M Kishore Kumar (192IT169), respectively. Twenty-eight students from various colleges attended the sessions.

DPL Organised 3-Day Virtual Workshop on Fusion 360

The Design and Prototyping Lab (DPL) organised a 3-day virtual workshop on Fusion 360 for the students participating in the Design Now Challenge.

This programme was organised in association with Autodesk. ICT Academy has come up with the 3rd Edition of "Design now Challenge", followed by a National level Challenge, "India Design Week - 2022", for the students of Mechanical Engineering, across 6 states of India, including Tamil Nadu, Andhra Pradesh, Karnataka, Maharashtra, Delhi NCR and Telangana.

The objective is to ignite the creativity of young minds in the area of Design Thinking, Product Design & Advance Simulation using Autodesk Fusion 360 software. Day-1 workshop was conducted on 20.10.2021, and Day-2 workshop was conducted through the Webex platform on 10.12.2021.

Forty-three students of the Mechanical Engineering and Mechatronics departments participated in the session.

School Visit to BIT Maths Lab

*Dr Saraswathi - Correspondent,
Dr Jeyachandran - Secretary, and
4 teachers of AGN Matric and
Higher Secondary School visited
BIT Maths Lab on 16.12.2021.*

*Ms Jeyasanthiya, Trainer,
Mathematics, demonstrated
experiments in the maths lab.*

Dr A Amarkarthik conducted a session on lessons transactions based on the NCERT outcomes for the betterment of the students.



*Dr. G Karthikeyan,
Correspondent,
Dr. K Anitha -
Director,
Dr. J Jayanthi Principal,
and Dr. S Nithya -
Headmistress of Dobbs*

Public School visited our Maths Lab on December 18, 2021. Ms. Jeyasanthiya, Trainer-Mathematics, practically demonstrated and explained experiments in the Maths lab. Dr. R Bharanikumar explained ways to convey lessons based on the NCERT outcomes for the betterment of the students. They also visited the Special Labs and BIT Gurugulam.

School Visit to Maths Lab of BIT



*A team from the
Maharishi Vidya
Mandir School,
Salem, including
Dr Padmanabhan,
Correspondent
and Mr Ramesh -
Head Admin,*

visited BIT Maths Lab, special labs and BIT Gurugulam on 23.12.2021. Ms Jeyasanthiya, Trainer-Mathematics, demonstrated the experiments in the Maths lab. Dr A Amarkarthik, Professor/Mechanical Engineering, explained the ways of transacting lessons based on the NCERT outcomes.

Industry Interaction

Industry Visit by Faculty Members

Dr V Chelladurai, Associate Professor & Head, and Mr Nimkar Amey Sanjay, AP/Agriculture Engineering, visited Redlands Ashlyn Motors PLC Ltd., Coimbatore, on 02/12/2021. They



discussed with Mr Selvakumar, Head - Implements Design, regarding student industry visits, internships, and projects. They also visited Rivulis Irrigations India Pvt Ltd., Coimbatore, and discussed student internship and placement with Mr Ravichandran, Senior Manager.

Industry Interaction

Dr A Dheepanchakkravarthy & Dr P Manojkumar, AP/EEE, visited companies in Chennai, including Venkateshwara Electrical Industries PVT Ltd, eSV Connect, RRT Electro Power, Auxo Technology Pvt Ltd, and Ubibots Technology Pvt Ltd, on 30.11.2021 and 01.12.2021. During the visits, they discussed industrial projects, internship opportunities, placements, guest lectures, MoU's, incubation centres, and workshops for students.



IRP Visit to Bangalore by IAIS Lab Members

Integrated AI & Sensors Lab faculty members, along with the lab-student S Kishore (191BM123), met Mr Rakesh Vasireddy Embedded Engineer— Sentec -Switzerland and Dr Ravi Prasad Rajasekaran - Founder & CEO - Accelerated Sciences Pvt. Ltd, on 30.11.2021 at Bangalore. The team discussed the scope for start-up funding and incubation. They also met Mr Tony Francis - Co-founder Stealth Mode Start-up and Mentor, in his residence at Derbi Foundation – Bangalore, on 01.12.2021. The scope for collaborative research at Derbi Foundation was discussed during the meeting.



Industry Interaction

Industry Interaction with Benzear and Emerald Industries

An interaction with Benzear Equipment India Private Limited, Coimbatore and Emerald Jewellery Equipment Private Limited, Coimbatore, was held on 29.11.2021 by Dr VC Uvaraja, Professor/Mechanical Engineering and Dr M Bharathiraja, ASP & HoD/Automobile Engineering. They visited the industries and discussed industrial projects, internship opportunities, placements, guest lectures and workshops for students with Mr P Dharma Krishnan, Chief Executive, Benzear Equipment India Private Limited and Mr Senthilkumar, Senior Manager (R & D) of Emerald Jewellery Equipment Private Limited.



BME Industrial Interaction

The Biomedical Engineering faculty members, Ms P Sharon Chris Hepzebah, Ms GS Kavya, and Ms ARasheedha, AP/BME, visited National Orthotic Centre, Coimbatore and Aries Biomedical Technology, Coimbatore, on 10.12.2021, to discuss placement, student internship, student and faculty training.



Industry Interaction by Faculty Members

Members of the Mechanical Engineering faculty Mr K Ramachandra Raju & Mr M Sureshkumar, AP-II, and C Subramaniyan, AP, visited the Philips Machine tool India, U Solar Clean energy, Sri Krishna Industrial Works, Kirloskar Company Ltd, IMTMA Ltd, New tech building solar, DMG Morries, and Wipro 3D Pvt Ltd., in Bengaluru on 20.12.2021.

They discussed student internship training & placement, consultancy, faculty training, MoU, and Centre of Excellence during the visit.



Institute Industry Interaction

As a part of the Institute

Industry Interaction,

Dr Subrata Das, Professor/Fashion

Technology, visited Central Silk

Technological Research and

Training Institute,

Central Silk Board,

Ministry of

Textiles, Govt of

India, Bangalore

on 30 December

2021. During the



visit, he had discussions with

Mr Thimma Reddy G, Scientist-D

and Mr Shambulingappa,

Scientist – D of the Weaving

Division.

The discussions included MDBC activities, organising guest lectures for BIT students, and exploring collaboration on areas including product development, cocoon crafting by using cut /pierced mulberry silk cocoon, silk quality, developing silk dress materials and furnishings using blends of mulberry and eri silk, and application of antimicrobial, flame retardant and wrinkle-free finishes.



Soil Testing Consultancy by Civil Engineering Department

DCPT Soil Investigation for the construction of New Dispatch Unit for Andal paper mill at Kothamangalam was carried out by Mr V Jeevanantham, AP/Civil Engineering, along with the Lab Technicians Mr M Maheshkannan & Mr MN Senniyappan on 07.12.2021. The consultancy project was requested by Mr Diwahar, Site Engineer, Andal Paper Mills. Totally 5 test pits were made at the proposed building location for field inspection, followed by sample collection, for the lab test.



Industry Interaction

Industry Visit



The faculty members from Aeronautical Engineering, Mr G Sivaraj and Mr D Lakshmanan, Assistant Professor(s), visited Kavin Industries, MAK Controls and Systems Pvt.Ltd., and Aurora Engineering Service at Coimbatore on 13.12.2021. They discussed core placements, student internships, guest lectures, one-credit courses, curriculum development, MoUs and core training activities during the visit.



MDBC Lab FT Students Visit Central Silk Board Bengaluru

Three students of FT, registered under the MDBC Lab, S Sharmila (202FT122), P Keerthana (202FT108), and S Nivetha Sharathi (202FT112), under the reference of Dr Subrata Das, Professor /Fashion Technology, visited the Silk Testing Laboratory, CSTR, Central Silk Board, Ministry of Textiles, Govt of India, Bengaluru, on 30 November 2021. Mr Prakash, Scientist-D, explained the importance of raw silk testing and grading. Mr M Sandeep, a Scientist from the Silk Mark organisation, trained the students to identify four different varieties of silk and their characters.



SPHC Lab Industry Interaction

The faculty members in charge of the Signal Processing for Health Care Laboratory, Mrs M Kalaiyarasi, AP-II and Mrs R Karthikamani, AP of the EIE Department, visited three industries in Coimbatore on 24.12.2021. They interacted with Mr J Vimalraj, General Manager, Aries Biomed Technology Pvt. Ltd.; Mr P Vinayaga Moorthy, HR Manager, Techvolt Software Pvt. Ltd.; and Mr G Guru Prasandh, CEO, Meds by Healthcare & Engineering Solutions. They had discussions on MoU, internship, guest lectures, placement, and curriculum development during their visit.



EIE Faculty Industry Interaction



Dr. C. Ganesh Babu - Professor and Head, Dr. S. Arun Jayakar- AP/II, Dr. T. Rajesh, Assistant Professor/II, and Mr. R. Dhansekar - Assistant Professor from the department of EIE visited Base Automation, Emerson, and Siemens India Pvt Ltd, Chennai on 16 and 17 December 2021. Discussion regarding the center of excellence establishment, BoS, training, projects, and placement was done with the industry person.

Industrial Visit by Faculty Members



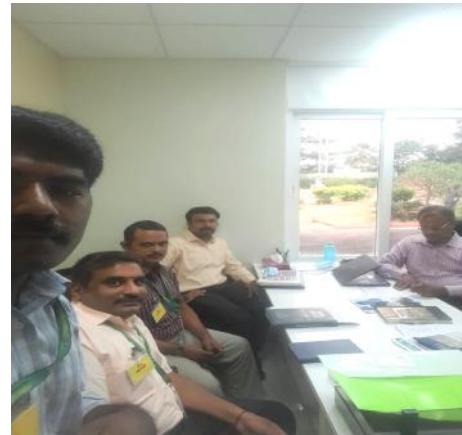
Dr. C. Sasi Kumar (Professor and Head, Mechanical Engineering) and Dr. K. Muthukumar (Professor, Mechanical Engineering) visited three industries on December 17, 2021 (Friday), located in and around Hosur. The team met with Mr. I. Johnson (Head, HRM, MNDA Industries Limited, Hosur), Mr. Korakkan (Manager, HR, Metalman Industries Pvt Ltd, Hosur) and Mr. P. Sundar (deputy General Manager, OH and Safety, TVS Motor Company Ltd, Hosur). Placement and internship opportunities for final year students and other activities regarding industry institute relationships such as MoU, Faculty training, and Curriculum for new regulations were discussed.



Industry Interaction

Faculty Industry Visit

Prof. Dr. M. Ravikumar, Prof. Dr. T. Rameshkumar, and Mr. M. Chandrasekaran, Assistant Professor of Mechanical Engineering visited the KSB pumps limited, Texmo pump Industries, and Milacron industries on 7 December, 2021. They discussed First-year placement and project opportunities with Mr. M. Manickam – Head HR and Mr. V. Selvakumar, Senior Manager of KSB pump limited Coimbatore.



Industry Interactions



Mr. R. Balamurugan, Assistant Professor, Department of Automobile Engineering visited Ampere vehicles India Pvt. Ltd., Coimbatore on December 9, 2021 regarding Students' Internship and Placement.

Industry Interaction –ECE

The Department of Electronics and Communication

Engineering organized industry interaction with

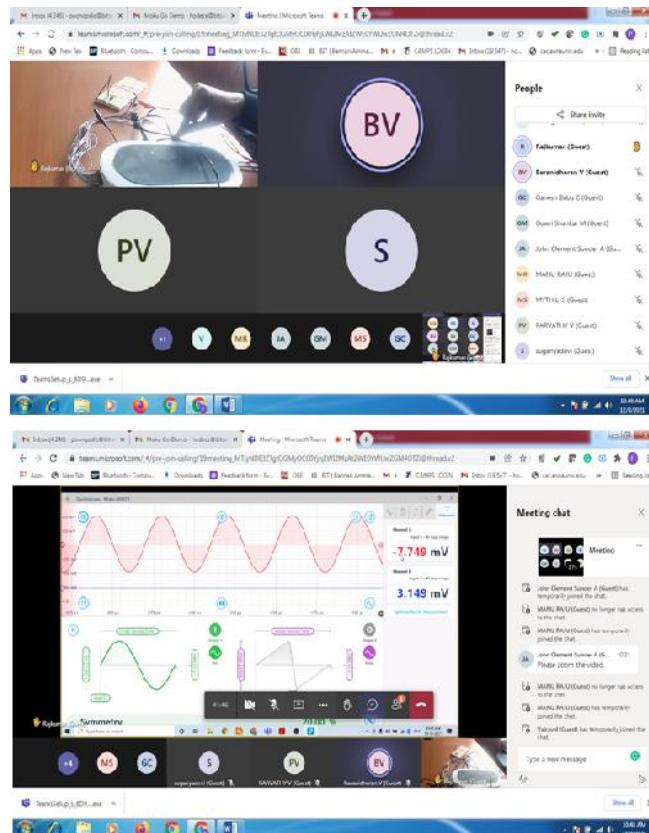
Mr. J. Visweswaran, Country Manager, Academic Programs ARK Infosolutions Bangalore on 3 December, 2021.

Dr. C. Poongodi, Dr. Shoukath Ali, Dr. R. Saravanakumar,

Dr. Elango, Dr. Perarasi,

Dr. Leeban Moses, and

Mr. Baranidharan participated in this interaction. The team discussed the scope of core domains, focus areas of ECE, research development, industry collaboration in the fields of VLSI, and RF communication.



Following this, the above mentioned company has agreed to offer Internship for the BIT students.

The Department of ECE organised an industry interaction with Mr Suresh Arumugam, Senior Application Engineer, Samsung, on 03.12.2021. Faculty members of the department, participated in the interaction. The team discussed the scope of core domains, focus areas of ECE, research development, and industry collaboration in VLSI and RF communication.

Industry Interaction

Guest Interaction by Integrated AI & Sensors Lab



Integrated AI & Sensors Lab invited Mr Orissa Balu - Head, Integrated Ocean Culture Research Foundation, Chennai, and a Historian & Tamil Researcher, for a discussion on interdisciplinary research projects and interaction with BIT students. Mr Orissa Balu visited our Special Labs facility on 16.12.2021 and explained the possible research collaborations for technically-research intensive Tamil Projects. He outlined his field experiences in ocean-research and Kumari Kandam project, to our BIT students and faculty members. He suggested that ocean research has a promising scope and he invited potential students to join his ocean research team.

BCT Lab Preliminary Programme of Govtechthon 2021

Blockchain Technology (BCT) Special Laboratory organised a preliminary programme of "GovTechThon 2021", supported by the District Collector of Tirunelveli and a Technical Team of National Informatics Center (NIC), on 16.12.2021. In this regard, the team has organised the introductory programme to various reputed institutions. The guest speakers of the preliminary programme included Ms Mahalakshmi - Deputy Collector/Tirunelveli, Mr S Devarajan - District Informatics Officer & Sr. Technical Director/NIC, Mr P Arumuganainar, Technical Director/NIC, Mr Vignesh Annamalai - CEO, Brand-Maxima, Tirunelveli, and Mr Varadharajan - Mahatma Gandhi National Fellow, Tirunelveli Collectorate Office, Tirunelveli. All BCT students were invited to participate in this preliminary programme to get deep insight about the event participation and its cash prize of Rs. 2,00,000/-.



Industry Interaction

Interaction with Former NASSCOM CEO

An online interaction meeting for the 'Nasscom Student Project' was held on 06.12.2021 by the BIT-Special Labs headed by Dr A Amarkarthik, Professor/Mechanical Engineering. Mr Suresh, former CEO/Nasscom, along with his team Ms Vijayalakshmi Kuppusamy and Mr Vinith Babu, CEO/GeekStacks, interacted with the special lab faculty members about the objective and plan of the students' projects. They agreed to interact with the students' team and faculty members on 07.12.2021.



IRP Visit to Core Industries

Dr KL Senthil Kumar, Prof. i/c./Academics and Mr A Mohamed Ismail, AP/Mechatronics, visited three core industries, including More ind Automation Pvt Ltd, ManscoFluidtek Pvt Ltd and Caliber Interconnect Solutions Pvt Ltd in Coimbatore, on 03.12.2021. During the visit, they discussed opportunities for consultancy, faculty training, guest lectures, internships and placement opportunities.



Industry Interaction

Interaction with Industry Experts



Mr. Senthil Kumar and Mr. Pathy, R & D managers from Emerald Jewel Industry India Limited, Coimbatore visited BIT on December 11, 2021. They interacted with the students and faculty regarding the products and achievements of the Virtual Instrumentation, New Product Development, and Rapid Prototyping special labs. They also visited the Fashion technology department and BIT Gurugulam. They motivated the students, and accepted projects, internships and placements for students. This visit was organized by Dr. V. C. Uvaraja, Professor, Mechanical Engineering and Dr.M.Bharathiraja, ASP and Head, Automobile Engineering.



Industry Interaction Organised by ECE Department

The Department of Electronics and Communication Engineering organized industry interaction with Application Engineers of Keysight Technologies, Bangalore, on 06.12.2021. Dr C Poongodi, Dr Raghuraman, Dr Shoukath Ali, Dr Elango, Dr Perarasu, Dr Leeban Moses, Mr Baranidharan participated in this interaction. The team discussed the scope of RF Communication, Keysight Wireless Lab, 5G Testbed Generation & analysis and 5G New Radio design simulation.



Industrial Visit by R&D Head and Faculty Members of Automobile Engineering



Dr S Jegadheeswaran, Head - R&D and IIPC, Dr M Bharathiraja, ASP & Head, and Mr S Deepankumar, AP/Automobile Engineering, visited Brakes India Limited, Design Desk India Private Limited, Nina Design and Ashok Leyland at Chennai on 16 & 17 December 2021. During the visit, they had discussions on student internships & placements, guest lectures & workshops, and industrial experts' assistance in updating curriculum and syllabi. The experts from Brakes India and Ashok Leyland expressed interest to visit BIT and explore the scope for collaboration.

Industry Visit by Mechanical Faculty Members

Dr T Ramesh Kumar, ASP and Dr M Ravikumar, Professor, Mechanical Engineering, visited two industries in Bangalore on 22 December 2021. They interacted with Mrs Vimala Rangaiah, HR and Manager, Air Mech Engineers Pvt. Ltd., & Mr K Senthil Vasan, MD, SWEN HVAC Engineers Pvt. Ltd., to discuss placement and internship opportunities for students.



Industrial Visit by Faculty In Charge of Special Labs

Four faculty members, including V Vaideeswaran, S Balavignesh, J Reena Catherine of Energy Storage and Conversion Lab and Dr P Manoj Kumar of Virtual and Instrumentation Lab, visited Opal - RT Technologies, Aktivolt Pvt Ltd, Livaah Innovations, E-Mobify Pvt Ltd and Hasoft Pvt Ltd, Bangalore on 21 & 22 December 2021. During the visit, the faculty members interacted with industrial experts regarding internship, placement, MoU, centre of excellence development, recent technologies in the battery management system, and commercial product development in Energy Systems.



ECE Faculty Industry Expo Visit



Dr C Poongodi - Professor and Head, Dr S Elango & Dr K Shoukath Ali, AP (II) and Dr M Leeban Moses - AP of ECE visited Electronica India Expo -International Exhibition Centre, Bengaluru, on 18 December 2021. The team met Mr M Thiyagarajan (President, Alpha-Imager Pvt. Ltd. Bengaluru), Mr K. S. Babu (Secretary, IPCA, Bengaluru),

Mr Manisha G (Operations Manager, Electrostatic Discharge India), Mr A Babu (Uchi Embedded Solutions), Ms Aishwarya RA (e-con Systems) and Mr Vamsi Palukuru (Core IoT Technologies). The team discussed the Centre of excellence establishment, industry-institute relationship, MoU, and training for students and faculty members.

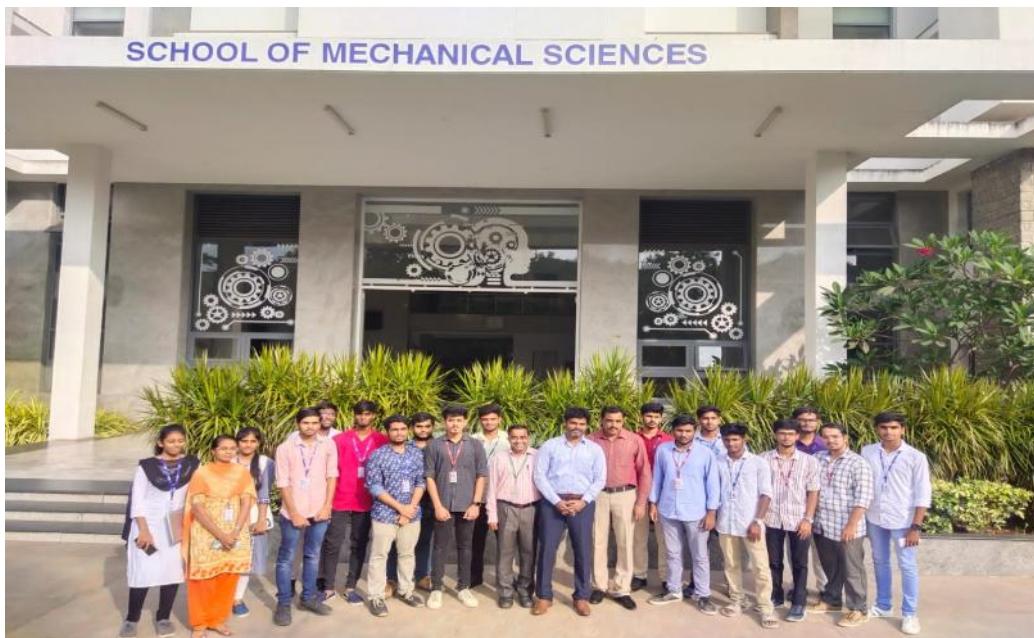
Industry Interaction

Integrated AI and Sensors Lab - Industry

Integrated AI and Sensors Lab Faculty Members interacted online with Mr. Sathish Grampurohit and Dr.Ganesh Rao - Co-Founders of the start-up 'SmileWand' - Bangalore, Mr Tony Francis - Co-Founder Stealth Mode Start-up & Mentor in Residence - DerbI Foundation - Bangalore, Mr Senthilkumar Murugesan - Managing Director - UnilogicTechnologies Private Limited - Coimbatore, and Mr Ramasamy - Freelancer for LabVIEW based Industrial Automation. The lab faculty members and student – Mr S Kishore - 191BM123, discussed the scope of a specific research project, with all the delegates.

Interaction with MathWorks Expert

Mr. V. Arulmozhi Selvan, Territory Manager, MathWorks, Bangalore visited BIT and interacted with faculty and students on the title "MathWorks Products and Capabilities" on December 9, 2021. Fifteen faculty and twenty five students from various departments presented during the interaction. He also visited virtual instrumentation, Robotics and Automation and Unmanned Aerial vehicle special labs. This meeting was organized by Dr. M. Bharathiraja and Mr. S. Deepan Kumar of Automobile Engineering.



Micro Prototyping Laboratory Undertakes Agricultural Pesticide Spraying Consultancy



The Micro Prototyping Laboratory undertook a consultancy project of spraying pesticide to high grown Areca Nut and Coconut trees using agricultural drones at Erangattur, Gobichettipalayam, on 27.12.2021. The pesticides were sprayed over 2 acres at a nominal cost of Rs. 1000/- . The farmers found the drone spraying useful and appreciated the team's contribution. They have also requested the MPL team to extend their service to the neighbouring agricultural fields with different plantations.

Industry Interaction

Industrial Visit by Faculty Members

Dr C Sasi Kumar, Professor & Head/Mechanical Engineering and

Dr K Muthukumar, Professor/ Mechanical Engineering, visited four industries in Hosur on

16-12-2021. They met

Mr S Ramesh (Senior Manager, HR, Ashok Leyland, Hosur),

Mr M Subramaniam (General Manager, A.M. Steel Castings Pvt

Ltd, Hosur), Mr NC Naveen Kumar (Manager, Safety, Titan Company Ltd, Hosur) and Mr C Rajan (Head - HR, EXIDE Industries Limited, Hosur) to discuss placement and internship opportunities for final year students. They also had discussions on industry-institute relationships, including MoU, faculty training, and curriculum design under the new regulations.



Industry Visit by

Aeronautical

Faculty Members

The faculty members of Aeronautical Engineering, Mrs D Rohini and Ms R Abinaya, AP, visited SimGrosys Pvt.Ltd, Mine power controls and systems, Deccan Industry and V-TorkControls on 16.12.2021 to discuss students internship, placement, guest lecture and student projects.



Industry Visit by MDBC Special Lab Students

Third-year Fashion Technology students of MDBC Lab visited Sky Cotex India Private Limited, Tirupur, on 24 December 2021. Dr Subrata Das, Professor/Fashion Technology, coordinated the visit. During the visit, Mr Suresh Jayaram, Director – Exports, explained various operations involved in garment manufacturing of an export-oriented unit to the students.

IPR Visit by Faculty Members



*Dr R Balakrishnaraja,
Associate Professor &
Head/Food Technology,
Dr V Chelladurai
Associate Professor &
Head/Agricultural
Engineering, and
Dr KP Kannan,
Associate Professor/
Biotechnology and Staff*

in-charge of Fungal Diversity and Biomolecules Special Laboratory, visited Jasmine Concrete Export Pvt Ltd, Spinos Life Sciences and Research Pvt Ltd., and India Products Pvt. Ltd., Coimbatore, on 24.12.2021. During the visit, they discussed internship, placement, training, guest lectures, MoU, and one-credit courses, with the experts in the industry.



Industry Visit

Faculty members of the Department of Agriculture, Mr NimkarAmey Sanjay, Mr Vignesh S, and Ms Bharani Priya A, visited four companies - Samunatti Nonbanking Financial Company, Vizhuthukal Farmer Producer Company, Seeds Farmer Producer Organisation and Ramnad Farmer Producer Company on 17& 18 December 2021.

During the visit, they discussed student internship, training for becoming CEO in FPO's, workshops, one-credit courses, industry collaboration projects.



Industry Interaction by EIE & SPHC Lab



Faculty members from SIG 83, Dr R Harikumar, Professor/ECE, Dr C Ganesh Babu, Professor and Head/EIE and Mrs M Kalaiyarasi, AP-II/ EIE, of EIE & SPHC lab interacted with Mr NP Jayanth Kumar, Senior Associate, CTS, Chennai, on 29.12.2021.

The meeting was held on the BIT campus, and they had discussions on recent technologies for instrumentation and biomedical students, guest lectures, placement and curriculum development.

Industry Relationship Discussion

An IRP meeting was conducted by Dr T Ramesh Kumar and Mr A Sibi John to the faculty members at Civil Conference hall on 29/12/2021, on interaction with BIT Alumni. During the meeting, selected faculty members were assigned to contact Top Alumni of the institute working in core domains to share their knowledge and for technical collaborations.



Institute Visit

Dr Subrata Das, Professor/Fashion Technology and staff in charge of the MDB Special Lab, visited RSJ Inspection Services Ltd, Bangalore, on 29 December 2021. The company is one of the leading companies in Third Party Inspection Services. During the visit, he had discussions with Mr Prasanna, Business Development Head, on internship, Qualpedia national-level contest, logo competition, and placements. Mr Prasanna also expressed his interest to organise a joint national conference with BIT.



Industry Interaction

Industrial Training - Drives and Actuators Lab

As a part of IIPC-Special lab activity, the Drives and Actuators lab in-charges (Mr. K. V. Santhosh Kumar, Mr. A. Nandhakumar, and Mr. T. Alex Stanley Raja) underwent industrial training in Electromotive Power (EMP) Drives Pvt. Ltd, Coimbatore for one week from 13.12.2021 to 17.12.2021.

The company is manufacturing 0.25 to 20 H.P capacity motors of standard and customized design. The lab in-charges were trained on the overall production process of induction motors, motor design, stator coil winding, stator and rotor assembly, and different testing of induction motors in the industry.

The in-charges also interacted with Mr. P. Sakthivel, Managing Director, on students' training, internships, and collaborative lab establishment during the training.



EIE Department MOU SIGNED WITH SICK INDIA PVT LTD

Dr. C. Ganesh Babu - Professor and Head, Dr. S. Arun Jayakar - AP/II, Dr. T. Rajesh - AP/II and Mr. R. Dhanasekar - AP from department of EIE visited SICK INDIA LTD PVT, Chennai on December 17, 2021. They met Mr. Ramaraj, Senior Technical Manager, and signed MOU with SICK INDIA LTD PVT. They also discussed the center of excellence establishment, training, placements, and internships.



Consultancy Soil Investigation

DCPT (Soil Investigation) consultancy project to construct G+2 Classroom Buildings in the Kumudha higher Secondary School, Nambiyur, was carried out on 28.12.2021 by Mr V Jeevanantham, AP/Civil Engineering, along with the lab technicians Mr M Mahesh Kannan v & Mr N Senniyappan. Totally 2 test pits were made at the proposed building location for field inspection, followed by soil sample collection for lab test.



MDBC Lab Student Visits Central Silk Board at Bengaluru



PG Nidhersana (202FT111) of MDBC Lab pursuing II BTech Fashion Technology visited CSTR, Central Silk Board, Ministry of Textiles, Govt of India, Bengaluru on 21 December 2021, under the reference of Dr Subrata Das, Professor/Fashion Technology.

Scientists in the institute educated her on the processing and production of mulberry silk & the technical aspect of silk mélange, and the pilot-scale weaving and reeling operation of silk in traditional and latest systems.

Industrial Visit



Dr S Tamilselvi, Dr N Abdul Azeez, and Ms S Ragamathiof the Department of Biotechnology visited Animal tissue culture (ATC) facilities in Bharathiyan University on 20.12.2021 and interacted with the scholars, experts and faculty in-charges.

Industrial Visit

Faculty members in charge of special labs Dr P Manojkumar, Mr V Vaideeswaran, Mr S Balavignesh and Ms J Reena Catherine visited OPAL-RT Technologies Pvt. Ltd. on 21/12/2021. During their visit, they witnessed the demonstration of power electronics toolbox, OP4510 OPAL-RT modules, CAN bus interface module and Power amplifier design, which would help establish Centres of Excellence in Special Labs.



A training session has been approved by Dr Sathishkumar, Head of the Department, Biotechnology for the faculty members. The acquired knowledge will be used to establish the ATC facility in our Institute. (Dt:14.12.2021).

Industry Visit by ECE Faculty Members

Faculty members of ECE, Dr K Shoukath Ali, Dr S Elango, Mr A Daniel Raj, Mr Tamilselvan and Mr Ramkumar R, visited industries in Bengaluru on 21 & 22 December 2021, including NTTF, Edgate Technologies, Fibre abrasive, Tazkmazter Pvt Ltd, and Highstar Technology. During the visit, they had discussions on Intel intelligence lab, PCB lab, Industry 4.0, robotics lab setups, and best practices followed in industries. They also received a proposal for the above lab setup implementations & Center of Excellence on our campus.



Industry Visit by Mechanical Faculty Members

Dr T Ramesh Kumar, ASP and Dr M Ravikumar, Professor/Mechanical Engineering, visited two industries in Hosur on 23 December 2021. They interacted with



Mr S Ragunath, Executive Planning Engineer, Titan Company Ltd. They also interacted with Mrs Ammu, HR and KS Selvam, Senior Plant Manager, Jaraa CNC, on placement and internship opportunities for students.

Webinars Organised

The CSE Department organised a webinar on "Software Testing" on 16.12.2021. Mr Gnanasekaran Mani, Proprietor/Check it out Solutions, was the resource person. Ms Philo Sumi, AP/CSE, Ms R. Janagi, AP/CSE, coordinated the event in which 42 students of the CSE department attended.

National Webinar on Placement Opportunities

The Department of CSE organised a national webinar on "Placement Opportunities" for the students of I/II/III BE CSE on 18.12.2021. The session was handled by Ms R Lakshmi Prabha, ZOHO Member Technical Staff (Front-end Developer). The event was coordinated by Ms Nagamani T, AP-II/CSE, Ms Divya P AP/CSE. Totally 100 students attended the session.



National Webinar on State-of-the-Art Technologies

The Department of CSE organised a national webinar on "State-of-the-Art Technologies" for the students of I/II/III BE CSE on 18.12.2021. The session was handled by Mr K Suriya Gubendir, Senior Software Engineer, Optimal Virtual Employee, Noida. The event was coordinated by Dr R Gomathi ASP/CSE, Dr S Logeswari Prof/CSE and Mr K Sathiskumar AP/CSE. More than 50 students attended the session.

Webinar on Future and Scope of Data Science

The Department of CSE Organized a National level Webinar on "Future And Scope Of Data Science" on 19.12.2021. Ms R Praveena, Analyst, Software Engineer, Capgemini Technology Services, Bengaluru is the guest speaker of the session. She spoke on data science's future.



Webinar on Scope for Automotive Engineers

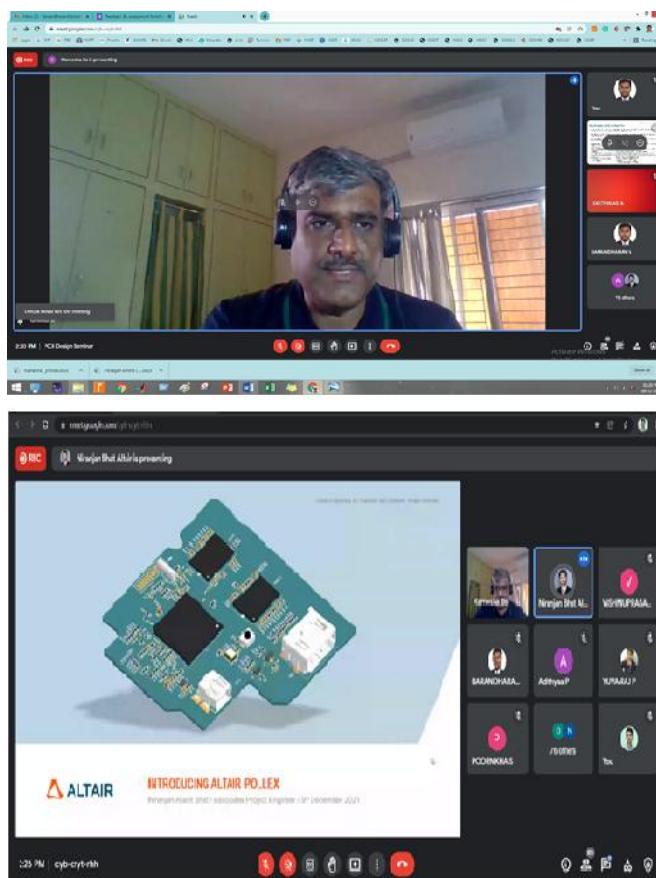
The Department of Automobile Engineering organized a Webinar on "Scope for Automotive Engineers" on 11 December, 2021. Mr. Nethaji, Engineer, Global Automotive Research Center (GARC), Chennai was the Resource person. Fifty Five students and 12 faculty members from the Automobile Engineering department attended the session. The webinar was organized by Dr. M. Bharathiraja, Associate Professor and Head, Mr.V. Sudhirkumar and Mr. T. Raja, AP/AUTO

Webinars Organised

Seminar on "Exploring PCB design process using PollEx tool" - ECE

The Department of Electronics and Communication Engineering organized an enthusiastic webinar on "Exploring PCB design process using PollEx tool" on 9th December 2021 (Thursday) for ECE students to advance their technical skills and to get more insight into the PCB Optimization EDA Solver and Verification, and workflow utilities. Mr. B. S. Ramesh, Sr. Manager - Academic and Start-up Initiatives, and Mr. Niranjan Anant Bhat, Associate Project Engineer, Altair Engineering, Hyderabad delivered the session.

Mr. V. Baranidharan, Assistant Professor/ECE organized the seminar. 184 UG and PG students actively participated in this lecture.



Webinar on Introduction to Azure Cloud Organised

The Department of Computer Science and Engineering organised a webinar titled 'Introduction to Azure Cloud' on 25 December 2021 for the I, II & III BE CSE students on 25.12.2021. The session was handled by Mr M Rajavel, Scrum Master, TCS, Chennai. The event was coordinated by Mr P Parthasarathi, AP-II /CSE and Mr D Yuvaraj, AP/CSE. More than 225 students attended the session.

Webinar on Career in Embedded System

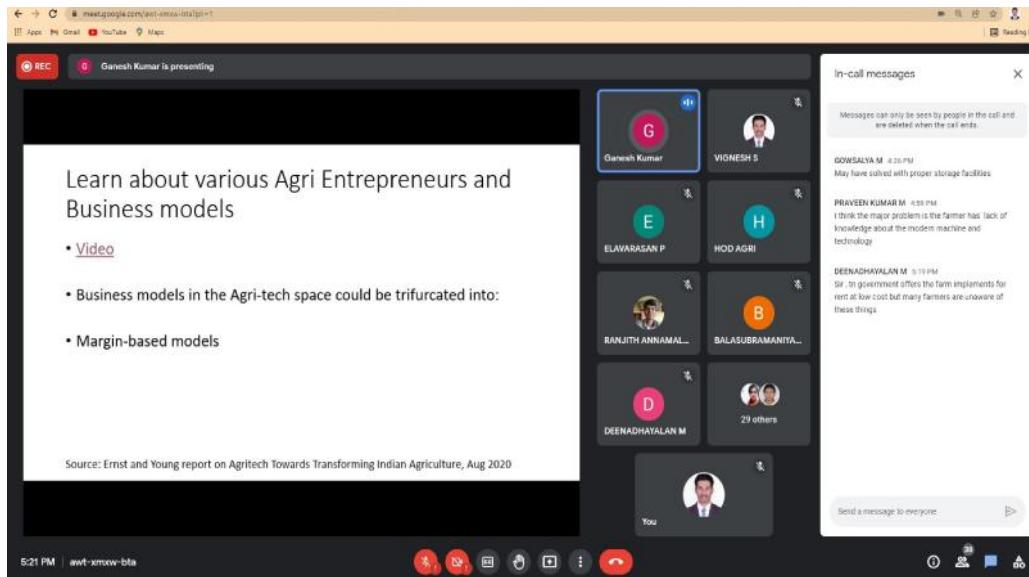
On December 11, 2021, the Department of Mechatronics and Hackathon special lab conducted a webinar on "Career in Embedded System". Mr. R. Jayasurya, Embedded Design Engineer of Unisem Electronics Pvt. Ltd., Bengaluru was the resource person. 56 students participated in the webinar.

During the webinar, Mr R. Jayasurya spoke on the importance of embedded systems along with the required skillset to place in the embedded design industry. The students interacted with the resource person regarding the application and importance of the embedded system in projects.



Webinars Organised

Webinar on Agri Tech Entrepreneurship



The Department of Agriculture Engineering and Smart Agriculture Lab conducted a webinar titled "Agri Tech Entrepreneurship" on 03.12.2021. Mr R Ganesh Kumar - Research Scholar, Indian Institute of Science, Bangalore was the resource person. About 60 students participated. Mr S Vignesh and Mrs B Priyanka, AP/Agri, coordinated the session.

Webinar ON DOCKER

The Department of IT organised a webinar on Docker on 28.12.2021. Mr Ashok Kumar RB, Full-stack Developer, Coimbatore, was the resource person. The event was coordinated by Ms R Deepika, AP/IT, and attended by 98 students.

Webinar on REACT JS

The Department of Information Technology organised a webinar titled "REACT JS" on 30.12.2021. Ms Yamini C, Software Engineer, ReleaseIQ.io India Private Limited, Chennai, was the resource person. The event was attended by 100 students and was coordinated by Ms Janani T, AP/IT.

Webinar on "Resilience Engineering"

Department of Computer Science and Engineering organized a national level webinar on "RESILIENCE ENGINEERING" for the students of II/III/IV year of CSE 04.12.2021 from 6.00 pm to 7.00 pm. The session was handled by Mr. MANURAJ RAJAMANIKANDAN, Senior Non-Functional Consultant, Cognizant. The event was coordinated by Ms. Vaishnavi M AP/CSE, Ms. Ananthi P AP/CSE and Ms. Sangavi N AP/CSE. Totally 70 students virtually attended the session.

Webinar Organised

The Department of Food Technology organized a webinar on "Analytical Techniques for Sample Separation and Characterization" at 10.30 AM on December 18, 2021.

The lecture was delivered by Dr. B. Lakshmi, Associate Professor, REVA University, Bengaluru.

Webinars organised

National Seminar on Dev to Prod: A FullStack Journey

Department of Information Technology and Information Science and Engineering organised a National seminar on "Dev to Prod: A Fullstack Journey" on 30.11.2021. Mr Maheshwaran P, ZOHO corporation, Chennai, was the resource person. Seventy students from various departments attended the session coordinated by Dr Nataraj RV, Mr Palaniswamy, Mr Nataraj N, and Ms Poornima A.



Webinar on Effective Management of Water Resources

The Department of Civil Engineering conducted a webinar on 'Effective Management of Water Resources' on 30.11.2021. Er. Senthil Kumar, Assistant Engineer, Water Resources Department, Palladam, was the resource person. About 40 students participated and benefited. Mr A Mohanraj AP-II/CE, Mrs C Kavitha, Mrs V Jayanthi AP-II/CE coordinated the session.

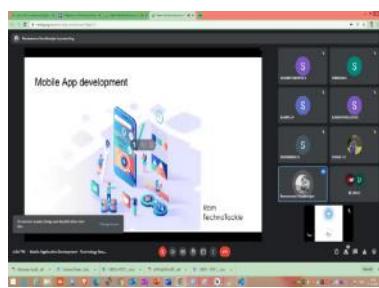


Webinar Organised

On December 17, 2021, the Mobile and Web Development department organized a Webinar from 6 to 7.30 PM on "Mobile Application Development - Technology Stack and Opportunities" to introduce the process, importance, and opportunities.

Mr Ramaswamy, Senior Software Engineer, Technotackle, Coimbatore, along with his team, delivered the session.

The guest lecture organized by Dr. S SUNDARA MURTHY ASP/IT was attended by around 103 students.



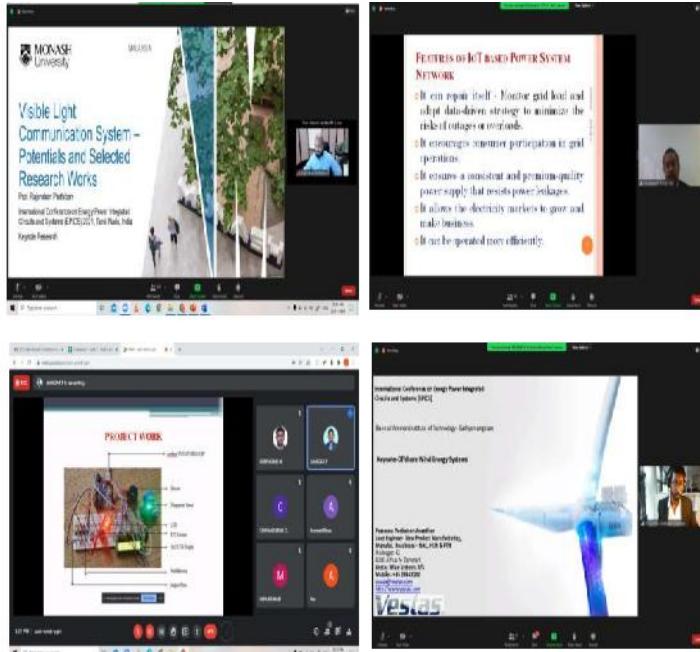
Webinars organised

EPICS'21 International Conference

Electrical and Electronics
Engineering Department
organised a two-day International Conference EPICS'21 on 22 & 23 December 2021.

Day 1, Keynote addresses were made by Dr Rajendran Parthiban, Professor, Monash University, Malaysia;

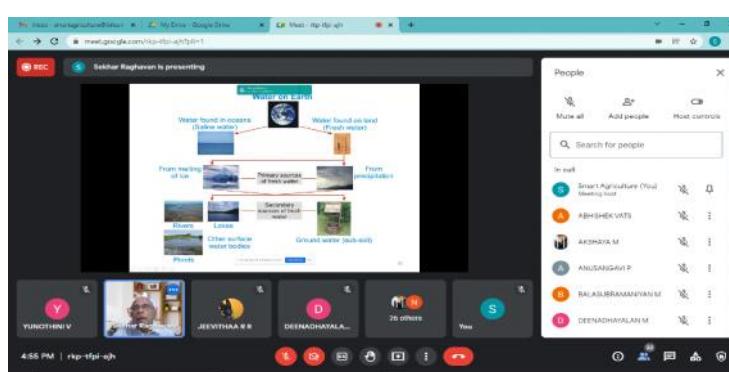
Dr G Kumaravel, Lecturer, Ibri College of Technology, Oman; and Mr Prasanna Venkatesh Ananthan, Lead Engineer, Vestas, Denmark. Paper presentation sessions were held in parallel tracks between 3 pm and 5 pm.



Webinar on Rainwater Harvesting - Need, Relevance And Importance

The Department of Agriculture Engineering and Smart Agriculture Lab conducted a webinar on "Rainwater Harvesting - Need, Relevance And Importance" on 21.12.2021.

Dr Sekhar Raghavan, Director, Rain Centre, Chennai, was the resource person. About 60 students participated and benefited. Mr Abhishek Vats, AP/Agriculture, coordinated the session.



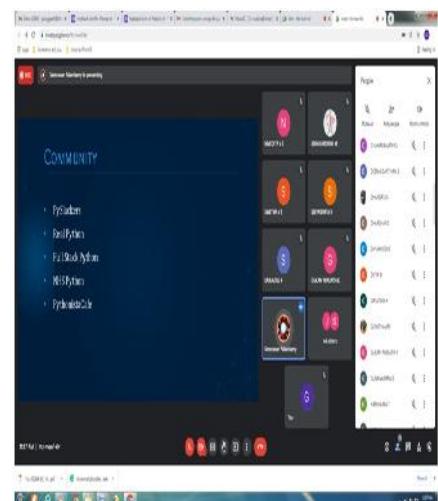
National Webinar on The Realm of Python

The Department of Computer Science & Engineering organised a National level Webinar on "The Realm of Python" on 30.12.2021.

Mr A P Saravanan, Project Manager, TVS Supply Chain Solutions, was the resource person and provided insights into Python.

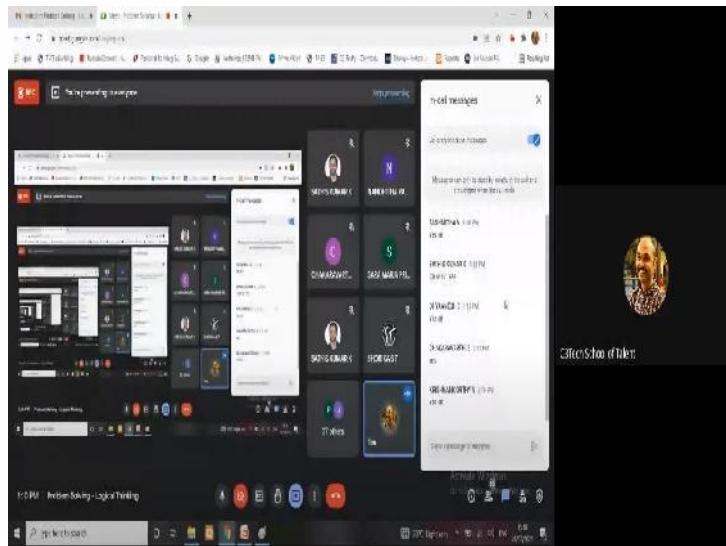
The webinar was attended by 114 students from CSE, IT, ECE, EEE, Mechanical Engineering, Automobile and EIE departments. The webinar was coordinated by Ms Ganagavalli K - AP/CSE and

Ms Nivedita V - AP/CSE.



National Webinar on Problem Solving - Logical Thinking

The Department of Computer Science and Engineering organised a national webinar on "Problem Solving Logical Thinking" for I year CSE / IT / CT students on 23.12.2021. The



session was handled by Mr Ganesh, S3 Tech Academy, Coimbatore. The event was organised by Mr K Sathis Kumar AP/CSE & Mr V Krishnamoorthy. Fifty students attended the session.

Webinar Organised

The Department of Information Technology organised a webinar on "Reality about Jargons vs Students" on 28.12.2021. Mr Suriya Prakash R, Senior Project Engineer, Wipro Technologies Limited, Bangalore, was the resource person. Mr R Arun Kumar, AP/IT, coordinated the event, and 129 students attended.

Webinar on Social responsibility on NRM

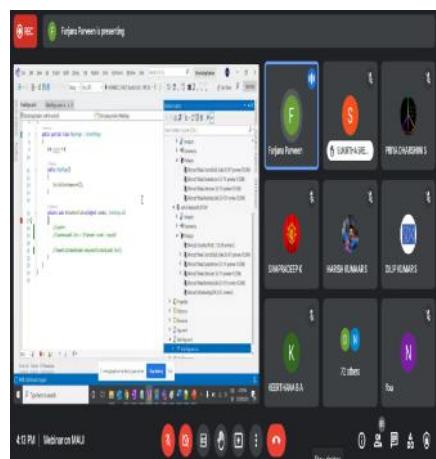
The Department of Agriculture Engineering and Smart Agriculture Lab conducted a webinar on "Social responsibility on NRM " on 23.12.2021. Dr S Kathiresan, Secretary, COODU (Community Organisation for Oppressed and Depressed Upliftment), was the resource person. About 30 students participated in the session coordinated by Mr Abhishek Vats, AP/Agriculture, and Mr S Vignesh, AP/Agriculture.

Webinar on MAUI

The Department of Information Science and Engineering and Intelligence Innovation Special Laboratory organised a webinar on MAUI (Mobile Assistance User Infrastructure) on 24.12.2021.

Ms A Farzana Parveen, Product Manager, Syncfusion Software Private Ltd, Chennai was the Resource Person for the webinar event. The event was coordinated by the faculty members Dr J Nirmaladevi, Mr Koushik Layek and Mr M Pandiyan.

One hundred thirteen students from various departments and special labs attended the event.



BIT - NCC Camp

Combined Annual Training Camp (CATC) for 'C' and 'B' certificates was conducted by 12 (TN) Battalion Salem at KS Rangasamy College of Arts and Science from 19 - 27 November 2021. 13 cadets from BIT NCC SW from 5 TN Girls Battalion completed the 'C' certificate, and 7 cadets completed the 'B' certificate.

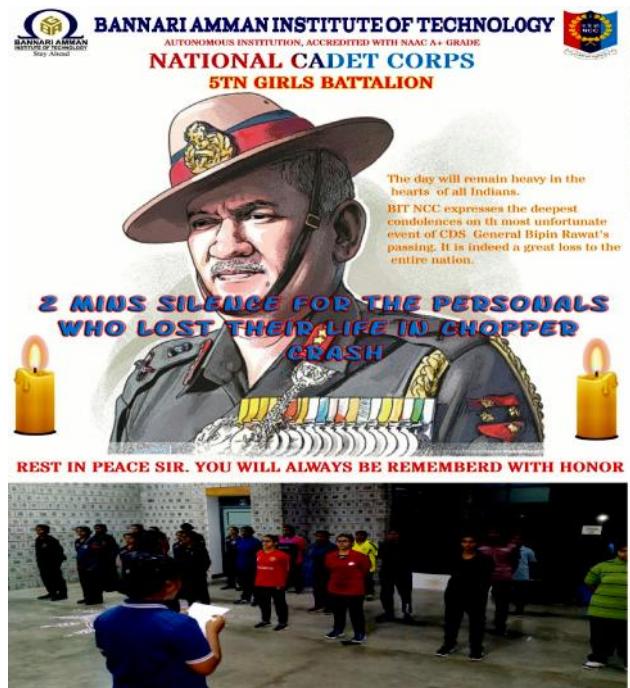
The cadets were trained for drill, map reading, rifle assembling and dismantling, firing, FCBC, and dental awareness programmes. 'C' certificate cadets were trained in guard mounting. A Swachh Bharat event was conducted at Arthanareeswarar Temple, cultural events were conducted, and certificates of participation was issued for the excellent cadet. The arrangements for B&C cadets from BIT were guided by ANO Lt Dr M Malathi.

NCC Day Celebration 2021

BIT NCC celebrated the NCC Day on 2 December 2021 with various events and competitions that brought out the talents of the cadets, including extempore, drawing and team quiz. NCC Day is observed all over the country annually on the 4th Sunday of November. Dr M Kalil Rahiman, Associate NCC Officer & Head, Department of Aeronautical Engineering, initiated and coordinated the events. Around 80 cadets participated in the celebrations.



BIT-NCC Activity: Tribute TO CDS Bipin Rawat



"Don't be afraid to fall, be afraid to not try" is an apt saying for General Bipin Rawat. His unbeatable awards are Param Vishisht seva medal, Uttam yudh seva medal, Ati Vishisht seva medal, Yudh seva medal, Sena medal, and Vishisht seva medal.

Unfortunately, due to a helicopter crash in December 2021, our country lost the four star General of the Indian Army, Bipin Rawat. Our debt to that heroic man in the service of our country can never be repaid. BIT-NCC cadets dedicated a moment of silence to honor him on December 10, 2021. His brief history, achievements and active role in the critical moments of Nation were shared by the NCC cadets.

NCC Day Celebration

Twenty-nine cadets of BIT NCC participated in the 73rd Raising Day Celebrations of NCC organized by the DG NCC during 28 November – 05 December 2021. As a part of the events, a trek was organised by the 5TN Girls Battalion, Coimbatore near Pannimadai on 4 December 2021, along with cadets from institutions including KPR & KCT. The cadets also carried out the Swachh Bharat activities at the forest area adjoining Ponnuthu Amman Temple during the trek. The cadets were also taught the basics of map reading. The camp was led by Cap M Catherine Daisy [KCT], Lt Dr M Malathi, and Lt A K Priya [KPR] and Hav Michael Sebastian, NCO from 5TN Girls Battalion.



BIT-NCC Activity

Our country is celebrating "Azadi Ka Amrit Mahotsav" in order to commemorate the 75th year of our Nation's Independence. To celebrate the occasion, BIT-NCC conducted an event under the theme of "Peace and Unity" through competitions like poster Drawing, patriotic songs and extempore. 35 SW of I, II and III year NCC-cadets from 5TN Girls Battalion participated. In addition, drill practice was also performed for the recently enrolled first year NCC cadets.



Combined Annual Training Camp

Thirty
BIT-NCC
senior division
(Boys) and
Mr A Sundara
Mahalinagm, AP-II/
Aero, attended the
Combined Annual
Training Camp at
Hindusthan College
of Engineering and
Technology,
Coimbatore, from
15-23 December



2021. During the camp training cum-competitions were conducted on drill, best cadet, weapon training, athletics, academics and cultural activities. Around 470 cadets took part in this training program. BIT senior division cadets won first place in the drill competition.

NCC Air Wing Combined Annual Training Camp

12 BIT NCC Cadets, including 4SW and 8SD from 2(TN) Air Squadron, attended the Combined Annual Training Camp from 08 – 14 December 2021 at Hindustan College of Engineering and Technology, Coimbatore. Wg Cdr. Nithin, Commanding Officer, lead the camp Training. Various activities like drill, parade, weapon training and 'B' Certificate exam practice classes were conducted during the camp. Mrs D Rohini, Caretaker-Officer, attended the camp along with the cadets.



Freshers Meet

2021 – 22

The Department of Physical Education organised 'Fresher's Meet 2021 – 22' on 22, 23 and 28 December 2021. The events were organised to identify young talents and motivate them to involve in sports activities. During the events, competitions on various games and sports, including Badminton, Ball Badminton, Basketball, Chess, Cricket, Football, Handball, Hockey, Kabaddi, Kho-Kho, Table Tennis, Tennis, Throwball, Volleyball and 9 athletic events were conducted for the boys and girls of II & I BE/BTech courses. Over 850 students participated, and more than 400 students received medals and certificates for their performance.

