

August 2021

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Monthly News
Letter

**Bannari Amman Institute
of Technology**

Students Achievements

BIT Mechanical Engineering Student in Asia & India Book of Records



Mr D Rajith Karna, a Mechanical Engineering student of BIT got into the Asia Book of Records and India Book of Records for fabricating a Smart CNC Machine using a grinder and a bench drilling machine. He was appreciated for his efforts by the Chairman of BIT, Thiru SV Balasubramaniam; Trustee, Dr MP Vijayakumar; Principal, Dr C Palanisamy; Dean PDS, Dr K Sivakumar; and Head-Academics, Dr S Jegadheeswaran. It might be noted that Rajith Karna has combined the grinder and bench drill for multi-axial movements to perform operations like turning, facing, drilling, threading, and knurling. Aligning with the Industry 4.0 concept, he has introduced a job inspection system using the image processing technique, and it gets the predefined model dimensions from the database and compares them with the machined model. This machine will help small scale companies to increase their production at a low cost. The machine was exhibited at International IMTEX Forming 2018 and 2019, representing the Bannari Amman Institute of Technology. The project was carried out under the guidance of Dr R. Rajiev, AP/Mechanical Engineering.



Students Achievements

BIT Teams Alone Qualify for Robocon India 2021 Finals from Tamilnadu

Two BIT Teams are the only teams from Tamilnadu that qualified for the Robocon-India 2021 Finals. This ABU Asia-Pacific Robot Contest (ABU Robocon) is an Asian-Oceanian College Robot Competition founded in 2002 by Asia-Pacific Broadcasting Union. Four teams from BIT participated in the contest under the guidance of the Manufacturing & Fabrication Lab, the Robotics Lab and the Robotics & Automation Lab. The competition tests a robot's ability to complete a task within a set time. This year's theme is Pitch-pot which is based on a traditional game of East Asian countries. The game involves throwing arrows at a pot. Doordarshan conducts this 3-stage contest (Robocon-India) to select the team to represent India in the International Contest (ABU Robocon). The teams from BIT have to build two robots that could pick arrows & throw them into pots kept at different distances. Under the guidance of Manufacturing & Fabrication lab, Robotics Lab and Robotics & Automation



Faculty Members <hr/> Dr Senthilkumar P(APIII/ MTRS) Mr Nandakumar K (AP/ MTRS) Mr Soundrapandian E (AP/MECH) Mr Vivek Kumar P (AP/MECH) Mr Karthick K N (AP/MECH) Miss Renuka K (AP/EEE) Mr.Mohamed Irsath(GET)	<p>Lab, four teams represented BIT, and two teams have qualified for the final stage of Robocon-India. In Stage 1, the teams have submitted their idea. In Stage 2, each team built two robots and demonstrated their functionalities. Based on the performance of robots, they qualified for Stage 3, in which they have to construct an arena and test their robot's ability to abide by the rules of Robocon 2021. The Student members are : Sanjay K (191ME210), Roshan Shandres C (191ME204), Sandeep Rajkumar S (191ME208), Vignesh S (191EC309), Sanjay R (191ME213), Jayaram R (191MC134), Krishna Prakash K (191ME171), Sanjay Kanth G (191ME211), Avadayappan EM(201MC501), Karthick P (201MC511), Arun Prakash V (201EC502), Rock Richard S (191MC159) and Aadarsh K (191MC103). The project is entirely sponsored by BIT management, and the Chairman, along with the Trustee, the Principal, Dean (PDS), and other management team members, congratulated and appreciated the students.</p>
	  <p style="text-align: center;">Winterfall Robots Team</p>

Paper Presentation @ International Springer Conference



Mr V Baranidharan and Mr C Raju, AP/ECE, along with the UG ECE students Naveen Kumar S, Keerthivasan SN, Isaac Samson S presented a paper entitled "High spectrum and efficiency improved structured compressive sensing-based channel estimation scheme for massive MIMO systems" at the 5th International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI 2021) organised by JCT College of Engineering and Technology, Coimbatore, held on 27 August 2021. The extended version of the paper will be published as a Book Chapter in Scopus, EI Compendex and WOS Indexed edited book by Springer - Lecture Notes on Data Engineering and Communications Technologies.

Students Achievements

BIT Team Wins First Place & 1-Lakh Prize Money in Tamilnadu Student Innovator Contest

A student team from Bioprospecting Research Laboratory (BPRL) has won the Tamilnadu Student Innovator - TNSI-2020 contest organized by Entrepreneurship Development & Innovation Institute, Chennai and Entrepreneurship Development Cell, Anna University Regional Campus, Coimbatore. The team named "Growture" comprised of Ms. Dharanyshri, Ms. Darshana, Ms. Girishree, was also awarded a cash prize of Rs. 1,00,000. The team, mentored by Mr. Rajaseetharama. S, AP/Biotech, and Mr. Jeyavel Karthick AP/BT participated in three rounds of the competition and attended boot camps at Anna University Regional Campus, Coimbatore.



It proposed an idea on prototyping a mushroom mycelium based furniture and packaging alternate material. They have also registered their micro level Start-up Enterprise in MSME under UDYAM Portal. Further the team plans to start working on the prototype for further characterisation and fabrication. It also plans to develop and commercialise the product and save the mother nature with eco-friendly, cost effective alternates.

MPL Students Selected for India Skills 2021

Jagan S (181ME161) of the Modeling and Prototyping Lab (MPL) has been given the wildcard entry of Prototype Modeling Competition using Fusion 360 for the Regional Level, India Skills 2021 organised by Automotive Skill Development Council (ASDC).

Internship

Prakash Varma T (182BT173) of III B.Tech Biotechnology from Fungal Biodiversity and Biomolecules Research Laboratory completed the online internship in FSMS Division, between 22 May and 05 July 2021, under FRCC Internship Scheme 2021, at Food Regulation & Compliance Centre, New Delhi.

Conference Presentation

Vishali V (202BT201) and Saihari TA (202BT167), of FBBRL Lab, participated and made a presentation on "Biosensors" at the National Conference on 'Innovations in Science and Engineering" organised by Sri Venkateswara College of Engineering and Technology, Chittoor during 08 & 09 July 2021.

Students Achievements

Data Science Lab students won a Bronze medal in Kaggle - Coding Competition

Data Science Lab students LOHIT S(191CS206), KALAISELVAN V(191CS187) participated in the "CommonLit Readability Prize" – International level Coding competition organized by Kaggle and won a Bronze medal. More than 3000 teams across the nations participated in this competition. Our students, LOHIT S and KALAISELVAN V (Team name: Challengers) bagged Bronze medals. Their names were on the Kaggle Dashboard. Data Science Lab Faculty members Dr.A.Bazila Banu, Mrs.M.Karthiga, Mrs.P.Sowmya, Mrs.P.Dhivya, and Mrs.P.Kalaivani appreciated the students for their efforts taken for the last 30 days.



FBBRL Students select for Training Programme under Skill Vigyan Centre, Punjab

Deepak D (202FD111), Samrin M (202FD143) and Rajasri Mathange B (202FD141) of Fungal Biodiversity and Biomolecules Research Laboratory are selected for the 3-month e-Training Programme under Skill Vigyan Centre, Punjab. The three students were among just ten chosen students from Tamil Nadu and 500 students selected across the nation. They will also be eligible to avail stipend of Rs.5000/- per month and a certificate from the Life Sciences Sector Skill Development Council. The Skill Vigyan Centre has been set up at Punjab State Council for Science & Technology with the support of DBT, Ministry of Science & Technology, Govt. of India.

Participation in International Conference

Power Conversion and System Integration Lab students Prasanth T (201EE177), Kiruba Shankar P (201EE154), and Sarankumar NV (201EE196) presented a paper entitled "Development and Performance Analysis of Dual Axis Solar Tracking System" in the Virtual International Conference on Smart Grid and Green Energy Systems 2021. The conference was organised by the Vellore Institute of Technology, during 30-31 July 2021. Three more students of the lab Prathiga P (191EI151), Nanthitha N (191EI147), and Kavya K (191EI141) also presented a paper entitled "Security Issues and Challenges for the IoT Based Smart Grid" at the same conference. The students were guided by Dr K T Maheswari, AP-II/EEE and Dr V Kamatchi Kannan.

Best Paper Award

AI Special Laboratory students Gowthami K (192IT147) and Sanjay Kumar S (192IT224) secured the best paper award for presenting their paper titled "Dynamic validation of Iris recognition for a financial security system object detection" in International Conference on Social work, science & technology (ICSSST 2021) conducted by Shrimathi Devkunvar Nanalal Bhatt Vaishnav college, Chennai on July 30, 2021

Appreciation by Skills C2C

 Mr M. Rahul (207MB136), a I MBA student of the School of Management Studies (SMS), received a Certificate of Appreciation from the Skill C2C for his outstanding efforts to fulfil requirements for the Best Performer of the Month.



Students Achievements

EPD Lab Students Win Best Paper Award in ICRISET- 2021

Electrical Product Development Lab and First Year Students Sri Santhosh S (201EE214), Mohammad Yameen SM (201EE214), and Sahithya V (201EE193) have won the Best Paper Award in the International Conference on Recent Innovations in Science, Engineering, and Technology—ICRISET- 2021 organised by Jeppiar Institute of Technology, Chennai.



Special Lab Students Win Business Idea Contest

BBL Special Lab students Yukeswaran L (192BT203), Shreeranjana S (19BT178), Subhashini T (192BT190), and Sureshkumar M (192BT194) of III BTech Biotechnology won the First Place, for their idea "Prediabetic supplements", in the National level "Business Unwind Competition" conducted by Enervi Enviro Services Pvt. Ltd, Chennai. Their idea was also recognised as the Best Innovative Business idea.



Special Lab Students Win First & Second Prizes in Paper Presentation

Sustainable Civil Engineering Materials Lab students have won first prize in the paper presentation event organised by Lalbhai Dalpatbhai College of Engineering in Ahmedabad, Gujarat. Pragadeeshwaran RJ (191CE129) and Harish Pandiyan P (191CE115) were awarded the first prize for their paper presentation on 'Controlled Low Strength Materials Using Industrial Waste' to win the first prize. Hariprasath BS (181CE120) and Krishnan UV (181CE135) have won the 2nd prize for the paper presentation. Srisathyasairam S(191CE146) and Shyam Sundar R (191CE142) qualified for the final round.



FBBRL Students Complete CAPGEMINI Tech Challenge 2021

Keerthana S and Sneka S of Fungal Biodiversity and Biomolecules



Research Laboratory completed the Capgemini Tech Challenge 2021 Edition in the Java Full Stack Skill Category and Data Science Skill Category during 9 – 18 July 2021.

BITians Win Prize in Project Expo

The students of Electrical Product Development Lab Arulsaravanan B (201EE501), Nijanthan M (201EE515), Pradeep T (201EE516) and Pravin Kumar KP (201EE517) participated and won the third prize for their project titled "Smart Organic Water Purifier using IoT", in the project expo organised by Vellore Institute of Technology (VIT) jointly with IEEE Photonics society.



Students Achievements

Patent Filed by Artificial Intelligence Special Laboratory Students

Artificial Intelligence Special Laboratory students Pooja S (191CS237), Pavithra J (191CS235) and Preethi S (191CS252), along with Mr.M.Pandiyar, AP/ ISE, have filed a patent entitled "Land usage monitoring tool using Artificial Intelligence and Satellite data" on 3 August 2021.(Application number: 202141034848 CBR No.28431, Docket no:67304)



BBL Lab Students Win III Prize In National Level Contest

BBL Lab students Ms KA Pooja (192BT151) and Ms A Nivedha (192BT145) won the III prize in the Scientific Poster Presentation – a project idea contest organised by the Students Association of Biotechnology, Bengal Institute of Technology, Kolkata, on 11&12 June 2021. BBL Lab students Ms MU Subiksha (202BT191) and Ms SV Subhaharani (202BT179) also won the III prize in the Scientific Review Poster Presentation in the same event.



Micro Prototyping Lab Patent Filing

Micro Prototyping Lab students A Joy Mariya Rubert (191CS186), B Madavaraj (191CS208), R Bhuvan (192IT126), S Jeyashri (191CS185), K Kamalini (191CS189), along with faculty members Dr KL Senthil Kumar, Mr SK Dhinesh, Dr SP Prakash, Mr M Raghunath, Mr S Madheswaran and Mr AP Gokul Raj have filed a patent entitled "A Device to Arrest Tap Water Leakage". (Application No: 202141035801, Docket NO: 69202 dated 09.08.2021).



Special Lab Students and Staff File Patent

Six students and three faculty members of Sustainable Civil Engineering Materials Lab successfully filed a design patent on "Sharp Puzzle Design of Paver Block". They include Hariprasath BS (181CE120), Praveen GU (181CE152), Vijay M (181CE182), Krishnan UV (181CE135), Vetrivel S (181CE180), Sanjay Bala (181CE167), Dr B Soundara, Mr N V Manjunath, Mrs V Jayanthi.

Paper Presentation in International Springer Conference

Mr V Baranidharan, AP/ECE with the BE ECE students Hariprasath N, Tamilselvi K, Vignesh S presented a paper entitled "Modified Gaussian mixture distribution based deep learning technique for beam space channel



estimation in mmwave massive MIMO systems" at the 2nd International Conference on Computer Vision, High-Performance Computing, Smart Devices and Networks (CHSN-2021) organised by Jawaharlal Nehru Technological University, Kakinada, during 21-22, August 2021. The extended version of the paper will be published as a Book Chapters in Scopus and EI Compendex Indexed edited book by Springer Lecture Notes in Electrical Engineering (LNEE Series).

Student selected for CSIR-IIIM Research & Training Programme 2021

Ms. VINOTHA SRE V (205BT117) of First M.Tech Biotechnology has been selected for the CSIR-IIIM Research & Training Programme 2021 offered by CSIR-Indian Institute of Integrative Medicine, Jammu – 180001 under the theme Pharmacokinetics and Pharmacodynamics and Toxicology. Out of 8570 applications received from all over the nation. Ms. Vinotha Sree is one of those shortlisted for this program. The screening and Selection committee duly constituted for CSIR-IIIM R&TP 2021 has screened and shortlisted based on their academic credentials, theme areas, and the cut-off CGPA.



Presented Paper in International Conference



Six students from the Power Conversion and System Integration Lab presented a paper on "Smart Agriculture

Motor Controlling and Monitoring System Using IOT" in the Virtual International Conference on Smart Grid and Green Energy Systems 2021, organised by Vellore Institute of Technology, Vellore, during 30-31 July 2021. The students include Balasubramaniyam S (191EE112), Sangeethkumar C (191EE200), Sanjay P (191EE202), Pattilingam V (191EE176), Naveenkumar S (191EE176), and Anees Ahamed M (191EE108). They were guided by Dr MaheswariKT, AP-II/EEE and Dr V Kamatchi Kannan, ASP/EEE.

Industry Project with Stipend

Industrial Automation Laboratory organised an interview for a student's industry project in a startup company in Singapore. D Gokulakrishnan was selected by the expert Mr Karthikeyan Mahalingam from Festo, Singapore, with a stipend of Rs.6,500/- He will be offered training for the industry project on RTOS in CNC and Robotics systems.

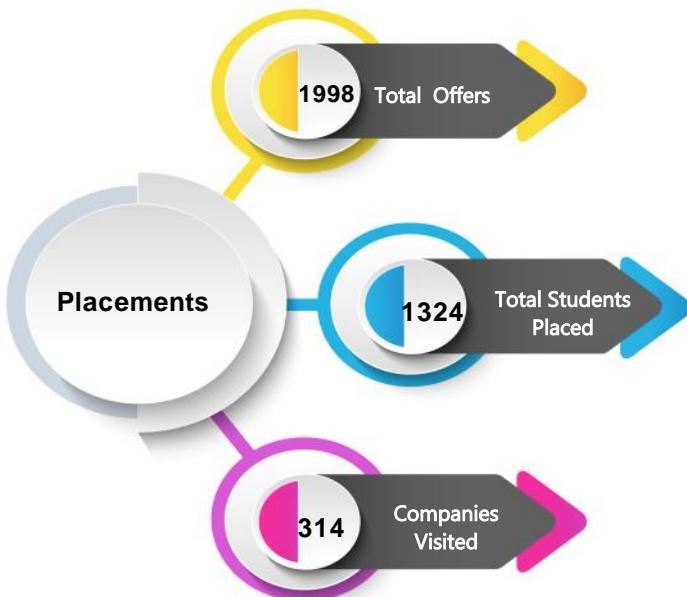


First Prize in Paper Presentation

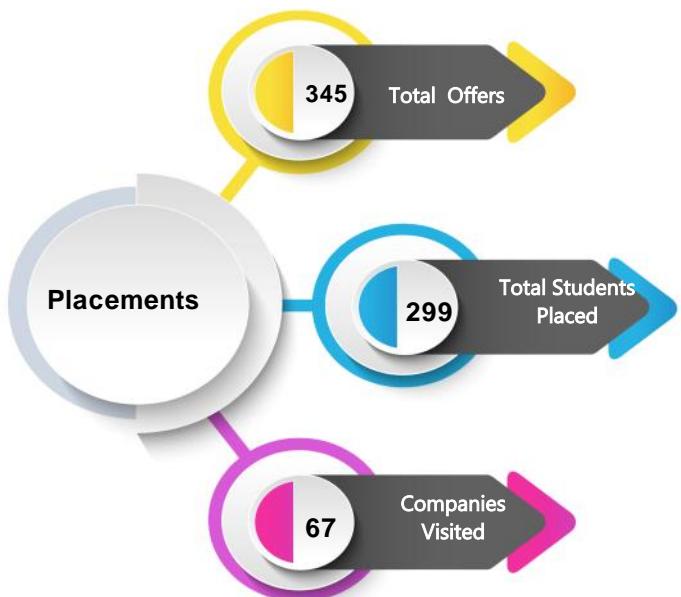
Data Science Lab students Elakiya B.S (192CB113) and Vinithra R (192CB148) presented a paper titled "Driver Drowsiness Detection". They Won First Prize in the "TECHFINIX'21" – A National Level Technical Symposium organized by Paavai Engineering College, Namakkal under the guidance of Mrs.P.Dhivya AP/CSE, Data science Lab.

Placement Achievements

2020 - 2021



2021 - 2022



Salary Range Details 2020-2021

S.No	Salary Range	Offers	Companies
1	10 and above	9	Lowes, Amazon, PEGA Systems
2	7-10 LPA	70	Rently, Mr. Cooper, Juspay, TCS Digital, Amazon, BYJUS, Thought works
3	6-7 LPA	59	Soliton, KAAR, Coda global, Temenos, Jaro, Multicoreware, zoho corp
4	5-6 LPA	36	PhonePe, HackwithInfy, Pin Click, InfyTQ
5	4-5 LPA	348	Accenture, Zifo, Vuram, KS Smart Solutions, RFPIO, Areteans, Virtusa, Payoda, Veoneer, Xoriant, Zohocorp, TEKsystems, Admindroid
6	3-4 LPA	971	TCS Pega, TCS Ninja, Aaseya Pega, Aspire Systems, Excelacom, Lincoln Electric, TCS Codevita, Kovai.Co, Arvind Internet, Examly, ACIES Global, Be Of Use, KSA Software, Cloudaeon, Auxo Technology Labs, Unschool, VK Academy IT Solutions, Sureti IMF, Unilogic, Biocon, Full Creative, Hexagon Nutrition
7	2.5-3 LPA	505	CHC Healthtech, Easy Recruit, Mystical Biotech, Incredible Jobs, Altistack Technologies, Metis Structures, Maham Knit Fashions, EMCO Career Services, Southern Gateway Infra and Reality, Swarashiya Solutions, Training Trains, Subhaa Industries, RPS & Co, Bull Machines, Propel, Elmech, Ramachandra Textiles, Samraj Constructions, RBJ Constructions, Versa Drives, Mitsuba Sical, Elger Controls, Best Corporation, Effica Automation, S. C. P. Borewell & Contractors, Tetra Kniits
Total		1998	

Faculty Achievements

Patent Granted

Dr P. Sivaraman, Associate Professor & Head, EEE, and members of SIG 132, have got a grant for the patent titled "Antiviral Respirator Integrated Helmet" with Patent No. 333454 001 on 19.07.2021.



Patent Filed

The Department of Artificial Intelligence and Data Science faculty members

Dr N R Gayathiri - Head, Mr G Ranjith, Mrs T Malathi and Mrs S Nithyapriya have filed a patent entitled "AI Based Daily Alert for Fuel Consumption and Distance Travelled" on 16.8.2021. (Application Number: 202141037015, CBR NO. 30229, Docket NO. 71722).



Gold Medal in Andhra Pradesh State Level Skill Competition

P. Srimannarayana Raju from WorldSkills Training Centre represented BIT in the Andhra Pradesh State Level Skill Competition and bagged the Gold Medal in the skill of Additive Manufacturing. The event was held at KL University, Guntur, on 24-08-2021 & 25-08-2021. He is also selected to represent in the South regional's to be held in the 4th week of September 2021.



Research Article Published

Dr G Kumaresan, Associate Professor/Mechanical Engineering, has published a research article entitled "Optimization And Prediction Of Pulsating Heat Pipe Compound Parabolic Solar Collector Performances By Hybrid DBN Based Bald Eagle Search Optimizer" in Wiley – Environmental Progress and Sustainable Energy, indexed in Scopus and Web of Science with SCI index of 2.431.

Faculty Paper Presentation at NIT, Surat

Mr S. Ashwin Raj, AP/Biotechnology, presented his research-based paper on "Production of Bioethanol from a blend of Prosopis juliflora barks and the waste shell of Arachis hypogaea – A waste to wealth approach towards environmental concern" at the International Conference on Advances in Sustainable Research for Energy and Environmental Management organised by the National Institute of Technology, Surat on 06.08.2021.

Springer Book Chapter Publication

Mr V Baranidharan, AP/ECE, published a book chapter entitled "Modified Compressive Sensing and Differential Operation Based Channel Feedback Scheme for Massive MIMO Systems for 5G Applications" in Springer Book Series Title: Smart Innovation, Systems & Technologies -SIST Series (SCIE and Scopus Indexed), Volume. 225, Pages. 251-260, 2021. ISBN: 978-981-16-0878-0. He also published a book chapter entitled "Enhanced Goodput and Energy-Efficient Geo-Opportunistic Routing Protocol for Underwater Wireless Sensor Networks" in Springer Book Series Title: Smart Innovation, Systems and Technologies -SIST Series (SCIE and Scopus Indexed), Volume. 225, Pages. 585-593, 2021. ISBN: 978-981-16-0878-0.

Journal Publications

- Dr J Ashok, Professor, School of Management Studies, published an article entitled "Strategies of Marketing during pre and post-Covid era – A comparative study" in Turkish online Journal of Qualitative Inquiry, Volume 12, Issue 5, July 2021, 3938-3944. The Journal is indexed in Scopus.
- S. Kokilavani (182BT155), IV year B.Tech Biotechnology & Dr. S. Sudheer Khan, Assistant Professor – II, published a paper entitled "Facile synthesis of MgS/Ag₂MoO₄ nanohybrid heterojunction: Outstanding visible light harvesting for boosted photocatalytic degradation of MB and its anti-microbial applications", Colloids and Surfaces A: Physicochemical and Engineering Aspects 627 (2021) 127097. This journal is indexed in Science citation index, Web of Science & Scopus. (Impact Factor: 4.539). This publication is an outcome of Nanobiotechnology laboratory and MDBC Laboratory .
- Dr V Dhanapal AP-III/Chemistry and Dr K Subramanian Professor/BT published a review article entitled "Superabsorbent polymers: A state-of-art review on their classification, synthesis, physicochemical properties, and applications in, Reviews in Chemical Engineering. This journal is indexed in the Science Citation Index, Web of Science & Scopus. (Impact Factor: 5.32). This publication results from the Biopolymer and Biomaterial Synthesis and Analytical Testing Lab.
- S. Balasurya (182BT108), of IV BTech Biotechnology & Dr S. Sudheer Khan, AP-II, published a paper entitled "A novel SPR based Fe@Ag core-shell nanosphere entrapped on starch matrix an optical probe for sensing of mercury (II) ion: A nanomolar detection, wide pH range and real water sample application", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 263 (2021), 120204. This journal is indexed in the Science Citation Index, Web of Science & Scopus. (Impact Factor: 4.098). This publication is an outcome of the Nano biotechnology Laboratory and MDB.
- Dr J.Ashok, Professor, School of Management Studies, published an article entitled "Recruit Through AI: Improve Quality of Recruitment" in Design Engineering Journal, Issue 7, July 2021, ISSN: 0011-9342. The journal is indexed in Scopus.
- Mrs B.Nandhini, AP/SMS, published a paper titled "A Comparative Study on Customer Satisfaction Towards DTH and Cable TV Services in Erode District" in the Scopus indexed journal of Xi'an University of Architecture & Technology, ISSN No: 1006-7930.
- Dr K Raja Sekar, AP-II/Aeronautical Engineering, published a research article titled "The influence of the geometry of V-gutter bluff body on transient vortex shedding" in the "International Journal of Turbo and Jet Engines". The journal is indexed in Web of Science, Scopus and listed in the UGC & Anna University Annexure list of journals.
- Dr Dheepan Chakravarthy A, AP/EEE, has published a research article entitled "Predictive current control of FL-shunt active power filter for dynamic and heterogeneous load compensation" in "Electrical Engineering, Springer Publications" (SCIE indexed), August 2021.

Journal Publications

- Dr V Dhanapal, AP-III/ Chemistry and Dr P Subhapriya, AP-III, Head/ Chemistry, published a research paper entitled "Preparation and evaluation of N, N1Methylenebisacrylamide cross linked polymer for the controlled release of water and fertiliser in the agriculture sector" in the American Institute of Physics Conference Proceedings. This journal is indexed in Scopus (Elsevier) and Chemical Abstracts Service. This publication is an outcome of activities in SIG 35.
- Mr P Rajesh Kanna, AP/ISE, published a paper entitled "Unified Deep Learning approach for Efficient Intrusion Detection System using Integrated Spatial-Temporal Features", Knowledge-Based Systems, Volume 226, August 2021, 107132. Elsevier BV DOI: <https://doi.org/10.1016/j.knosys.2021.107132> The journal is indexed in Science Citation Index, Web of Science & Scopus. (Impact Factor: 8.038).
- Dr Manojkumar P and Dr Dheepan Chakravarthy A, AP/EEE, published a research article entitled "Design of Electronic Control Unit with Black Box for Ground Vehicles" in IEEE Explore" (SCOPUS indexed) during August 2021.
- Dr Senthil Kumar J, AP/EEE, published a research article entitled "Enhancing system reliability by optimally integrating PHEV charging station and renewable distributed generators: A Bi-Level programming approach" in Energy, Elsevier Publications (SCIE indexed) during August 2021.
- Ms P Dhivya, AP/CSE, and Dr A Bazilabalu, HoD/AIML, published a research paper "Machine Learning Model for Breast Cancer Data Analysis using Triplet Feature Selection Algorithm" in IETE Journal of Research with Impact Factor 1.24 on 18.08.2021.
- Mr Rajaseetharama, AP/BT, and the BPRL student team comprising Chithra A, Dinesh P, Sharmila Devi, RudhaVarshini & Ms. Preethi PS, have published a review article entitled "An Apodictic Review on Recent Approaches in Enzyme Technology " in Bio-interface Research in Applied Chemistry (SCOPUS indexed) during August 2021
- Dr Kamatchi Kannan V, ASP/EEE, published a research article entitled "Particle Swarm Optimized Deep Convolutional Neural Sugeno TakagiFuzzy PID Controller in Permanent Magnet Synchronous Motor" in the International Journal of Fuzzy Systems, Springer Publications (SCIE and Scopus indexed) on 22 August 2021.
- An article entitled "Dielectric responses and stimulative optical shuttering action of self-assembly supramolecular hydrogen bond liquid crystalline formation via x- and y-types benzoic acids" has been accepted for publication in the Journal of Molecular Liquids (Elsevier) with an impact factor of 6.165. The paper was authored by Dr MLN Madhu Mohan and Dr N Pongali Sathya Prabu. This research is an outcome of the SERB sponsored research work (vide file no EMR/2017/001075), Liquid Crystal Research Special Lab, and SIG:75.

Journal Publications

- Ms P Dhivya and Mr P Parthasarathi, AP/CSE, and Dr A Bazilabalu, HoD/AIML, published a research paper "Comparative Study On Classification Methods to Diagnosis The Diabetics" in the International Journal of Aquatic Science with Impact Factor 7.86 on 26.08.2021. This journal is indexed in Web of Science.
- Dr S Arun Jayakar, AP-II/EIE, and Mr T Rajesh, AP-II/EIE, have published an article entitled "Cascade Control Based Heat Exchanger Monitoring System" in the International Journal of Aquatic Science with an impact factor of 7.86. This research is an outcome of SIG-160 (Industrial Process Automation)
- Dr S. Tamilselvi, Associate Professor & Head Incharge, Biotechnology, published a paper entitled "An Insilico evaluation of phytocompounds from Albizia amara and Phyla nodiflora as cyclooxygenase-2 enzyme inhibitors" in DARU Journal of Pharmaceutical Sciences (Springer) with an impact factor of 3.117. The Journal is indexed in Scopus and SCI. This paper is an outcome of a BTech project work.
- Dr B Soundara, Prof/Civil Engineering, published a research article entitled 'Influence of nano-silica and sodium silicate on the strength characteristics of clay soil' in Nanotechnology for Environmental Engineering, a Springer publication on 23 August 2021.
- Dr Subrata Das, Professor of Fashion Technology, published a research paper entitled "Response Features of Silk Warp Yarns during Weaving," in the Journal of Natural Fibers, Taylor & Francis, DOI: 10.1080/15440478.2021.1932672, ISSN: 1544-046X, June 2021, indexed in SCI. This paper is an outcome of the work carried out by Molecular Diagnostics and Biomolecule Characterization Special Laboratory of Biotechnology and Fashion Technology Departments. The project was executed through multi-disciplinary SIG of Bio-Technology and Fashion Technology, SIG-156 - Aroma, Antimicrobial & Allied Finishes on Fashion Textiles .
- Dr Parimala M, AP-III/ MATHS published a paper entitled "Applying the Dijkstra Algorithm to Solve a Linear Diophantine Fuzzy Environment" in the international journal Symmetry, which is indexed in SCIE and Scopus with 2.716 impact factor coauthored with Prof.Saeid Jafari, Denmark, Prof.Muhamad Riaz, Pakistan and Prof. Muhammad Aslam, Saudi Arabia.

Institutional Events

Former Google Director Visits BIT



Mr Suresh Jayaraju, Former Director – Google and Former CEO 10000 Startups Nasscom, visited the BIT campus on 16 August 2021. He was received by Chairman Thiru SV Balasubramaniam and the Trustee Dr MP Vijayakumar (IAS-Retd).



They had extensive discussions on various academic matters and startups, including providing international exposure to our students, promoting startup culture in BIT, connecting successful startups with BIT, bringing Fortune Companies to our campus, creating a platform to solve industry problems through our students and special labs and establishing Centre of Excellences in 5G and IoT. They also discussed the avenues to promote the available competence and talents in appropriate platforms.

Institutional Events

BIT Gurugulam Initiative Meeting

A new initiative named BIT Gurugulam has been proposed and planned for the current first-year students. Under this context, students will be exposed to professional skills and technical skills such as prototype modelling, welding, PLC fundamentals, assembly and dismantle, electrical wiring, Python programming, and graphic design. Faculty members trained exclusively on industry standards at par with WorldSkills provided by corporations such as Toyota Kirloskar Motor and Lincoln Electric are designing this initiative's framework and Standard Operating Procedure (SOP). The developments in these areas were discussed with Dean PDS along with IIPC Coordinator and WSTC Coordinator on 10.08.2021.


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75th Independence Day Celebrated at BIT

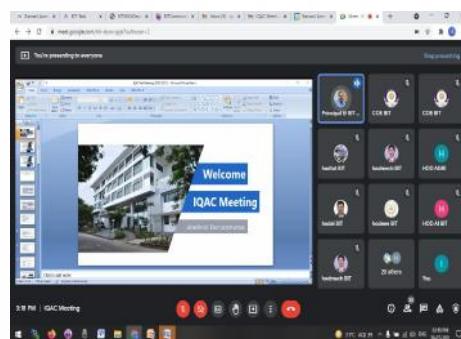


75th Independence Day was celebrated with gaiety at BIT on 15 August 2021. Principal Dr C Palanisamy hoisted the National Flag, and the NCC Cadets performed a parade under the guidance of the Associate NCC Officers, Capt. Dr Kalil Rahiman M and Lt. Dr Malathi Mahalingam.

Department Events

IQAC 4th Quarter Meeting for the AY 2020-21

The 4th quarter meeting of IQAC (Internal Quality Assurance Cell) was conducted online on 30.07.21. The principal welcomed the external IQAC member Dr B. SampathKumar, Educationalist, Former Principal, and Secretary of PSG College of Technology, Coimbatore. Dr T Ramesh Kumar, IQAC Coordinator, presented the action taken report of the last IQAC meeting, academic activities during March to May 2021, analysis of feedback received from students, evaluation report of NAAC, and introduction of new courses. The meeting ended with a discussion on the forthcoming activities of IQAC and plans for the year 2021-22.



Seminar Organised

The Department of Electronics and Communication Engineering organised a one-day seminar on "An Insight into Back-end Implementation of VLSI Design" on 03.08.2021. The webinar aimed to get more insights and gain knowledge in VLSI physical layer design, Continuous scaling techniques, and miniaturisation of IC's. Mr Samuel Jigme Harrison, Senior Digital IC Design Engineer, ST Micro electronics Asia Pacific Pte Ltd, Singapore, delivered the session. Mr V.Baranidharan, AP/ECE, coordinated the seminar in which 132 UG & PG students participated.

Steps in Physical Design

The main steps in Physical Design are

- Floorplanning & Powerplanning
- Placement
- Clock Tree Synthesis
- Routing
- Static Timing Analysis
- Physical Verification

Physical Design Flow

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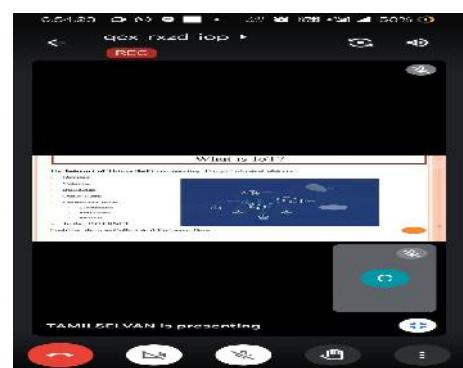
graph TD
    A[Floorplanning & Powerplanning] --> B[Placement]
    B --> C[CTS]
    C --> D[Routing]
    D --> E[Static Timing Analysis]
    E --> F[Signoff]
  
```

Faculty Training

The Department of Electronics and Instrumentation Engineering organised a two-day faculty training on PLC S71200 in Siemens- Centre of Excellence on 24& 25 August 2021. The industry expert Mr Jeeva, Trainee, Siemens India Private Limited, Coimbatore, trained our faculty members from EIE, ECE,EEE and Mechatronics. The faculty members were taught to programme in PLC, Wiring of PLC, Interfacing of PLC and HMI, HMI programming and Interfacing of PLC with Real-time non-linear system.

Digital Technologies Orientation for TCS Digital Shortlisted Candidates

The Department of Training and Placement, in collaboration with the Special Labs, conducted an orientation programme for major digital technologies like Artificial Intelligence, Data Structures, Cloud computing and Internet of Things on 20.08.2021 for the shortlisted students of the 2022 batch.



Department Events

Team from Rohini College of Engineering & Technology Visits of Agri Department

A team from Rohini College of Engineering and Technology, Nagarcoil comprising Dr R Rajesh, Principal, and Dr N Senthil Velmurugan, Associate Professor (Maths) & COE, visited the Department of Agriculture Engineering on 12/8/2021 to discuss lab and other facility requirements for B.E Agriculture Engineering programme. Dr V Chelladurai, HoD, Department of Agriculture Engineering, gave a tour of lab facilities, Agri Research Farm and Greenhouse to the guests and explained the equipment required for the Agricultural Engineering program.

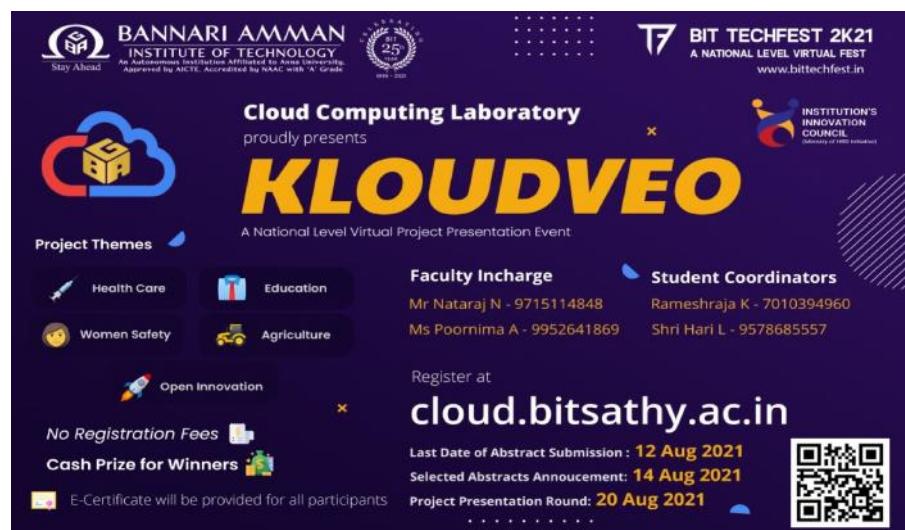


National Level Virtual Project Presentation KLOUDVEO Organised by Cloud Computing Laboratory

The Cloud Computing Special laboratory organised "KLOUDVEO", a national-level virtual project presentation event on 20 & 21 August 2021. KLOUDVEO platform for future engineers showcases their innovative projects that could solve real-time problems based on the given set of 5 themes: Healthcare, Education, Women Safety, Agriculture, and Open Innovation. One hundred fifty-one projects were received from students and research scholars across the nation.

Department of BME: IDEAZONE'21

The Biomedical Engineers Society of India (BMESI) Student Chapter of Bannari Amman Institute of Technology (BMESI BIT Chapter) organised "Ideazone'21", A national level idea presentation online event on 31 July 2021, from 10.00 am to 12.30 pm. Ideazone'21 was a platform where innovative and useful ideas for different problems happening in the world were presented. The event was coordinated by Santhosh B (191BM137) and Kavin Kumar V S (191BM121). The jury consisted of Ms Gayathri Priya Dharshini R, HoD i/c & AP, BME, Mr Narendra IlayaPallavan P, Ms Sharon Chris Hepzebah P, and Mr Krishnakumar S, AP/BME. Around 48 participants, including 18 external and 30 internal participants, participated and presented their ideas. It was conducted in four tracks with 12 students per track.

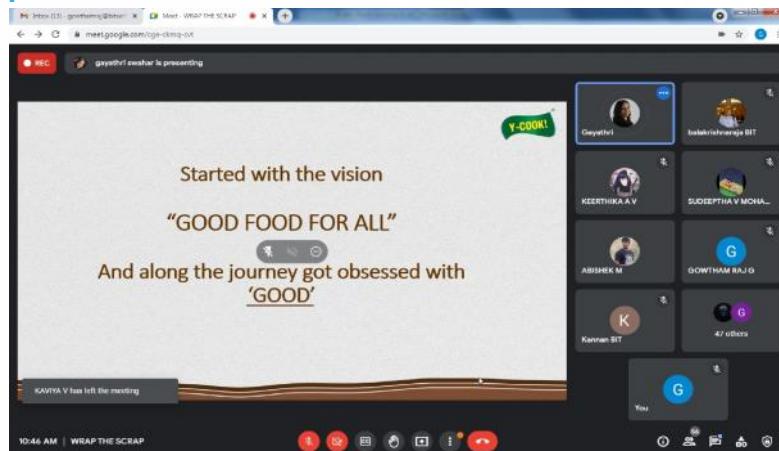


Department Events

Wrap the Scrap

Functional Foods and Nutraceuticals lab organised a national level virtual Tech-fest on "Wrap the Scrap" during 19 - 20 August 2021. Special guest Dr Gayathri Swahar, Co-founder and Director, YCook India

Pvt Ltd, Bangalore, delivered a lecture. Participants from different institutions, including two international institutes, presented their ideas.



National Instruments CLAD Certification Examination



National Instruments offered the Certified LabVIEW Associate Developer (CLAD) certification exam to faculty members of BIT on 18 August 2021. The Department of ECE organised the training for the faculty members arranged the CLAD training programme through the Centre of Excellence (CoE) on Cyber-Physical Systems. Mr Balaji, Senior Application Engineer and Certified LabVIEW trainer, OptiThought, Chennai, handled the sessions from 09.08.2021 – 17.08.2021. Nineteen faculty members from ECE, EEE, E&I and Mechatronics departments attended the exam at PCB Design Laboratory.

Data Science Lab Training on Technical Paper Writing

Data Science Lab faculty in-charge Mrs P Dhivya AP/CSE conducted training on "Technical Paper Writing" for the Data Science Lab students on 6/8/2021. Sixty students attended the session in which suggestions were shared to complete writing technical papers for International Conferences.

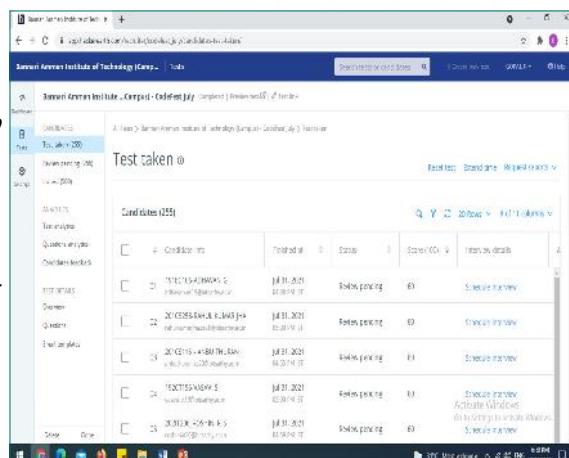
IAENG 2.1

The Department of EIE organised the Intra College Technical Events (INSTRICS 2021) in association with the Students Chapter of AC DOS, ISTE and IIC, on 28.08.2021. The special invitee Prof. Ramakalyan Ayyagiri, NIT, Trichy, inaugurated the event coordinated by Dr C Ganesh Babu, Head/EIE and Dr S Arun Jayakar, Mr T Rajesh, Mr R Dhanasekar and Mr S Sakthiyaram, AP/EIE.

Department Events

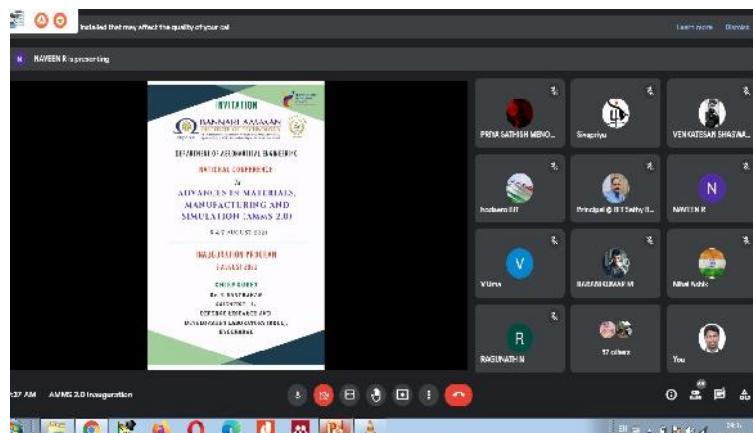
Virtual Coding Contest

Department of Information Science and Engineering and in association with HackerEarth Hub BIT Technical Chapter organised the virtual coding event "CodeFest" on 31-07-2021 on HackerEarth platform. Totally 255 students participated and got reward points. The event was organised and coordinated by Mr R Gopal, AP/ISE.



2nd National Conference AMMS 2.0 organised by Aeronautical Engineering

The Department of Aeronautical Engineering organised the 2nd National Virtual Conference on "Advances in Materials, Manufacturing and Simulation - AMMS 2.0" on 6 & 7 August 2021. The conference was inaugurated on 6 August 2021. Capt. Dr M. Kalil Rahiman, Associate Professor & Head, welcomed the Chief



Dr R. Santhanam, Scientist-F, Defence Research and Development Laboratory (DRDL), DRDO, Hyderabad, gave the inaugural address and spoke about smart materials and structures. Dr K. Rajasekar, AP-II, Aeronautical Engineering, proposed the vote of thanks. A total of 84 papers were received from the students, faculty members and research scholars across the nation.

FBBRL Students Competition Participation

VishaliV (202BT201) and SaihariTA (202BT167) of FBBRL students participated and presented their idea entitled



"Portable Water Filter" in a competition on Sustainable Switch held on 17 & 18 July 2021 organised by the SRM University, Chennai.

A Mega Digital Event "Leaders Connect" for Pega UAP 2021-22 Students

The Department of T&P cell, in association with Talentsprint, organised the Mega Digital Event "Leaders Connect" for Pega UAP 2021-22 students on 06.08.2021.



Mr Vijaya Raj (HR Head, TCS) and Ms Anupama (HR, TCS) gave an overview of the company and talked about the work-life balance in TCS.

Training in Graphic Design and 3D Digital Game art

World Skill Training Centre and Department of Computer Science and Engineering

organised a "Training in Graphic Design and 3D Digital Game art" for the faculty members of CSE, IT, and FT departments from 04 – 12 August 2021. The training session was handled by Mr B.Kalaikovan. Department Of Visual Communication, Sri Shankarlal Sundarbai Shasun Jain College for Women, Chennai. Six faculty members attended the training session.



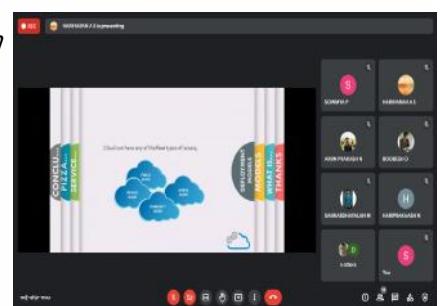
Workshop on 3 D – Bio Printing

Department of Biotechnology and Fungal Biodiversity and Biomolecules Research Laboratory organised a workshop on "3 D Bio Printing - The Potential of 3 D Bioprinting in Life Sciences". The resource person for this workshop was Ms Aishwarya Shiroor, Technical Specialist -3D Bioprinting, Altem Technologies Pvt Ltd, and Bangalore. Dr S Tamil Selvi, Head/Biotechnology, welcomed the participants. Dr K P Kannan, Associate Professor, coordinated the session. Around 25 faculty members across the departments attended.



Data Science Lab - Reward Point Activity Enhancing Presentation Skills for Hackathon

Data Science Lab conducted an event titled "Enhancing Presentation Skills for Hackathon" as a part of their Reward Point activity for its students on 17/8/2021. Mrs P Sowmya, faculty i/c. of the lab, coordinated the session. Students from CSE/CSBS/CT/IT made their presentations incorporating related animations and multimedia utilities. The event helps the students improve presentation skills while participating in Idea competitions/ Hackathons.



Placement Drive for Aeronautical and Mechanical Engineering Students

The Department of Aeronautical Engineering organised a placement drive of Rockdove Aviation Pvt. Ltd., Coimbatore, for the Aeronautical and Mechanical Engineering students. The drive took place at the Training and Placement Department, BIT, on 24.08.2021. Nine passed-out students attended the drive, and four got shortlisted for the next round.



Sustainable Civil Engineering Materials Lab completed Techfest



Event Vision Modelerie on 06.08.2021, where more than 100 students from across the country participated. The event consisted of 2 rounds in which students are asked to design a G+2 Villa of 5 numbers in the given land using BIM tools. Team Captivators of KPRIET, Coimbatore, won first prize, and Team Samya Constructions from PSGITECH, Coimbatore, won the second prize.



Siemens Hands-on Training to Faculty Members

Twelve faculty members of EEE attended the 'Train The Trainer Programme' conducted by M/s. Siemens. On 26 August 2021, the Siemens Commissioning and Service Officers, Mr Ramachandhran and Mr Sivaprakash, trained the faculty members on various protection and switchgear equipment.

EIE Research Centre Status Renewal

The Anna University- Research Centre recognition for the Department of Electronics and Instrumentation Engineering has been renewed until December 2024 to do collaborative research to pursue PhD programmes.

SAEISS Aero Design Challenge 2021 - Online Technical Presentation

The department of Aeronautical Engineering and UAV Lab together organized an online Technical Presentation Event of the 6th Edition of SAEISS AeroDesign Challenge 2021 on 31.07.2021 & 01.08.2021. 59 Teams across the nation participated in this event.



The presentations were judged by scientists from Government organisations like NAL, HAL, DRDO, etc and reputed industrial experts.

Faculty Training Program

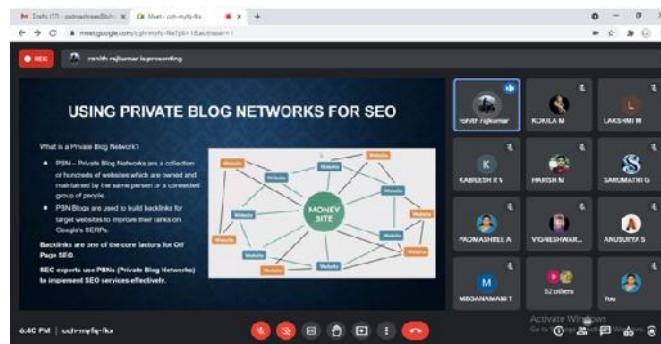
A 23-day online training for the faculty members has been organised by the Department of ECE from 21.06.2021 to facilitate establishing the Center of Excellence on Cyber-Physical Systems in collaboration with National Instruments, between 4.00-5.30 pm.

Guest Lectures

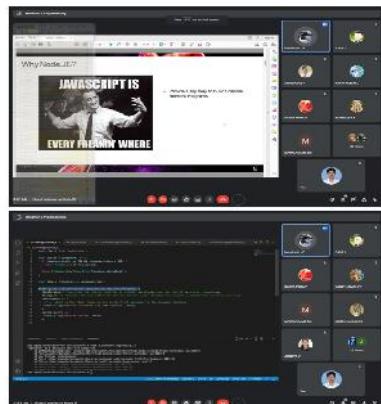
Private Blog Network and SEO 2021

The Department of Computer Science and Business Systems organised an online guest lecture on "Private Blog Network and SEO 2021" on 30 July 2021 from 6.00 pm to 7.00 pm.

The session was handled by Mr R. Rohith Raj, Digital Marketing Head, Airbliss Plus, Netherland. The event was coordinated by Mrs Padmashree A, AP, CSBS. Sixty-four students attended the session.



ISE Guest Lecture on NodeJS



The Department of Information and Science Engineering organised a guest lecture on "NodeJS" to create basic web applications with NodeJS on 31.07.2021, from 09:30 am to 11:30 am.

Mr L P Kamalnath, Senior Back End Developer & Visionary Product Manager of Happiest Neurons, Chennai, delivered the session. Mr P.Rajesh Kanna, AP/ISE, organised the session, and 39 students attended the guest lecture.

Shape Your Career at Zifo RnD Solutions

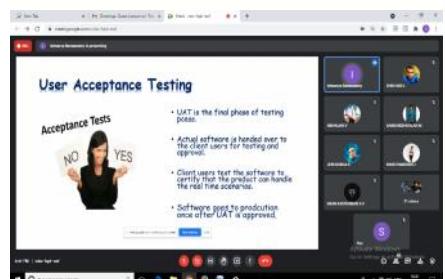
Department of Mechanical Engineering conducted an interactive session on "Shape your career at Zifo RnD Solutions" on 10/08/2021 at 07:00 pm. Mr Praneeth SP, Mr Prekesh S and Mr Surya K, Associate Analyst, Zifo RnD Solutions, were the resource persons. Mr AD Pradeep, AP/Mech, organised the session for final year students.



Manual Testing

The Department of Computer Technology organised a guest lecture on 'Manual Testing' on 29.08.2021. Mrs Ishwarya Ramaswamy, Senior Lead Engineer, FIS Global Business Solutions, Chennai, was the resource person.

The event was coordinated by Dr C Ramesh, Associate Professor & Head and Ms Suganya G, Assistant Professor, Department of Computer Technology. Fifty-Eight student participants and faculty members attended the session.



How to prepare for product-based

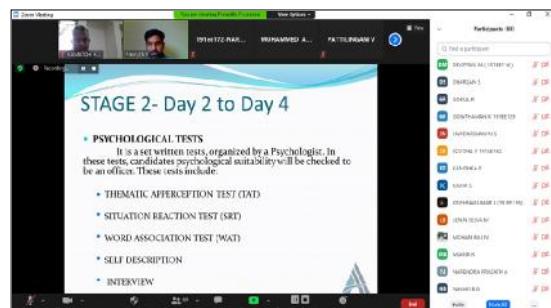
The Department of EIE organised a guest lecture on 'How to prepare for product-based companies' in association with the students' chapter of ISTE and IAENG on 31.07.2021. Mr Karthick Kumar, Software Engineer, Juspay, Chennai, was the special invitee. Dr C.Ganesh Babu, Dr S.Arunjayakar, Mr T.Rajesh, Mr R.Dhanasekar and Mr S.Sakthiyaram, Assistant Professor/EIE, coordinated the event.

Guest Lectures Organised

The Department of EEE organised an online guest lecture entitled "How to Crack the Short Service Commission" on 13 August 2021 between 03.00 pm and 04.30 pm. The retired naval officer Lt Cdr Premjith P from Ernakulam handled the session and shared his knowledge about the preparation to join in Indian Navy and Air Force through the short service commission examination and the benefits of these services. Dr V Kamatchi Kannan, ASP / EEE, organised the event in which over 70 students attended.

The Department of EIE organised a guest lecture on "Role of Instrumentation Engineer in

Automation", in association with the Students Chapter of ISTE, IAENG and IIC, on 14.08.2021. Mrs Hema, Training Engineer, Effica Automation, Chennai, was the special invitee. Dr C Ganesh Babu, Dr S Arun Jayakar, Mr T Rajesh, Mr R Dhanasekar and Mr S Sakthiyaram, AP/EIE, coordinated the programme.

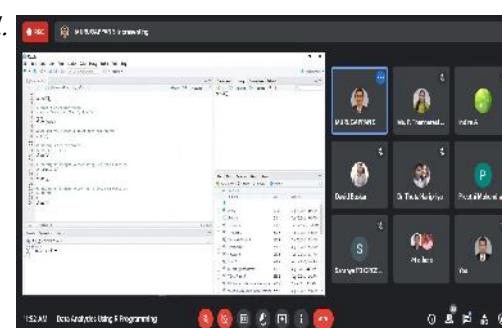


ICSSR Sponsored Workshop on Data Analytics Using R Programming

School of Management Studies (SMS) organised a 3-day national level workshop on "Data Analytics Using R Programming" sponsored by Indian Council for Social Science Research (ICSSR) from 12 – 14 August 2021.

The workshop sessions were handled by

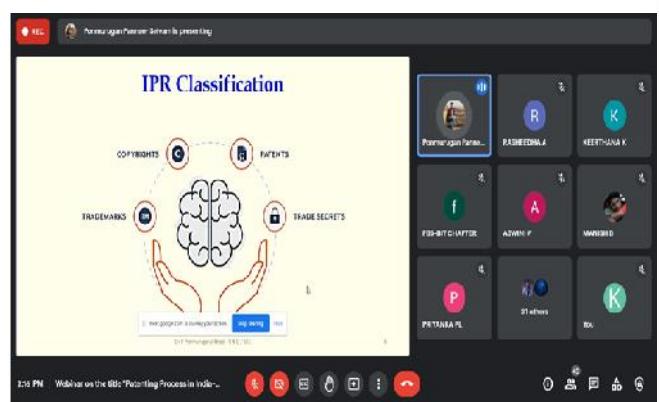
Dr S Murugappan, Professor, Mr JM Antony Raj and Mr S Nagarajan, AP-SMS; and Dr R Dinesh Babu, Managing Director, Brainswig EduTech Pvt. Limited, Chennai. Forty-five participants from different parts of the country participated in the workshop. Dr S Murugappan, Professor and Mr S Nagarajan, AP/SMS, coordinated.



Patenting Process in India - A Beginner's Guide

The Department of Biomedical Engineering & Force Biomedical Society organised a webinar titled "Patenting Process in India - A Beginner's Guide" on 14.08.2021 from 02:00 pm- 3:00 pm.

Dr P Ponmurgan, Head-R&R & D, Sengunthar Engineering College, Tiruchengode, was the session's guest speaker. He spoke on the basics of IPR, filing patents, copyrights, and trademarks. Ms Rasheedha A and Mr Krishnakumar S, AP/BME, were the coordinators. Around 40 participants, including faculty and students from BIT and other institutions, participated.

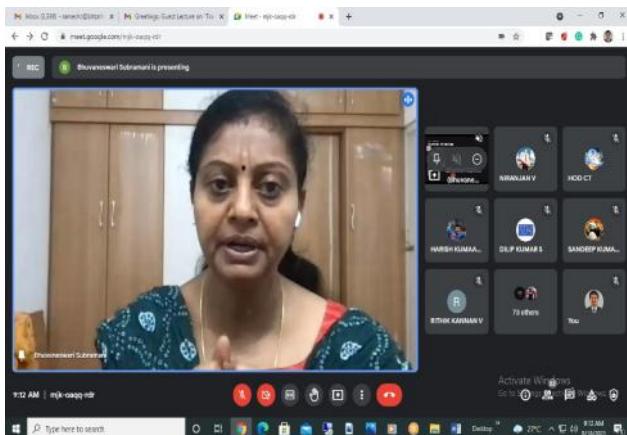


Guest Lecture Organised

The Department of EEE organised an online guest lecture entitled "Freelancing" on 27 August 2021. The session was handled by Mr Navin Kumar Subramanian, Engineer Technical Support - BNY MELLON, Chennai. The event was organised by Dr S Veerakumar, AP III/EEE, and more than 20 students have attended the lecture.

Guest Lecture on Transformational DevOps with AWS Native Tools

The Department of Computer Technology organised a guest lecture on Transformational DevOps with AWS Native Tools on 18.08.2021. Ms Bhuvaneswari Subramani, Director Engineering Operations, Infor, Bangalore, was the chief guest. The event was coordinated by Dr Ramesh C, Associate Professor & Head, Department of Computer Technology. Seventy-Three student participants and faculty members attended the session.

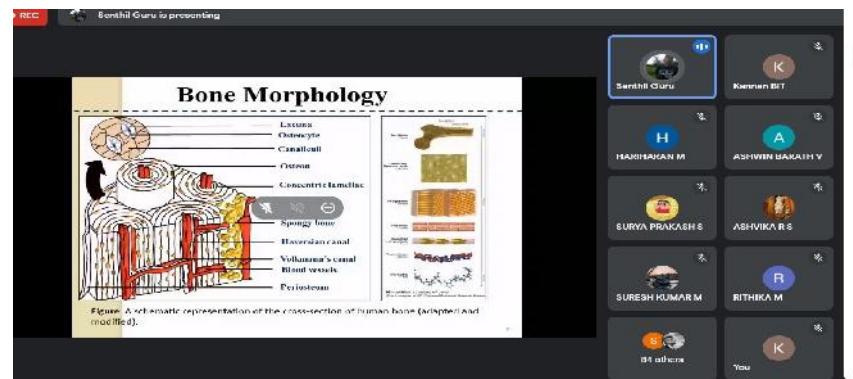


Guest Lecture on Exploring Career Path in the field of Artificial Intelligence and Data Science

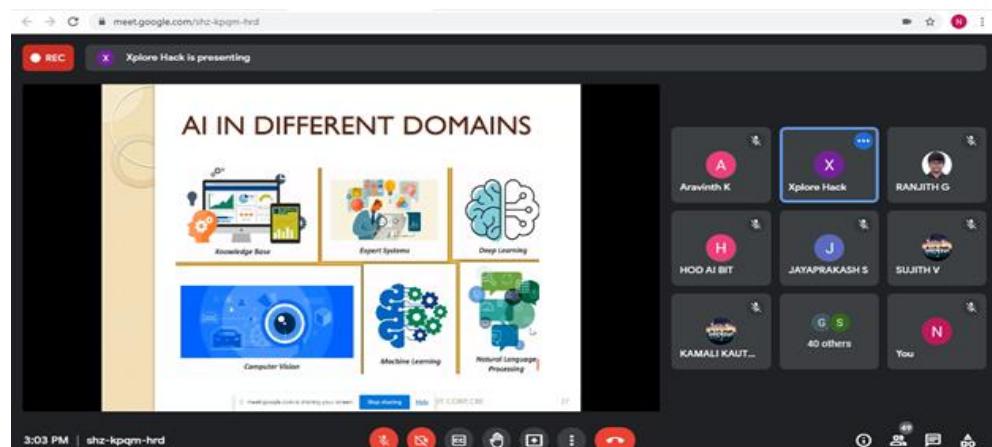
The Department of Artificial Intelligence and Data Science, in association with the "IAENG" Technical society, organised a guest lecture on "Exploring Career Path in the field of Artificial Intelligence and Data Science" on 19.8.2021. The chief guest Mr S Chandra Mohan, Senior Trainer - AI & DS, Xplore IT Corp, Coimbatore, addressed students on the topics such as applications and job opportunities in the field of Artificial Intelligence and Data Science.

The event was coordinated by Mr G Ranjith and Mrs S Nithyapriya, AP/AI & DS. Forty student participants and faculty members attended the session.

Guest Lecture on Advancement in Bone Tissue Engineering



A Guest Lecture on "Advancement in Bone Tissue Engineering" was organised by Fungal Diversity and Biomolecules Research Laboratory on 21.08.2021 at 4.30 pm. The chief guest Dr SenthilguruKulanthaivel, Research Associate, Nanoscale Research Facility, IIT-Delhi, talked about the fundamentals of bone tissue engineering, recent advances of biomaterial and cell-based research, and approaches used to enhance bone regeneration. Ninety-five students across the departments attended the session.



Guest Lectures Organised by Computer Technology

The Department of Computer Technology organised a guest lecture on 'Web Application Framework and Introduction to ORM using Hibernate Framework' on 20.08.2021.

Mr. Vijayabalakrishnan Kandasamy, Sr. Software Dev. Engineer, Mastercard, Ireland, was the resource person. Fifty Three student participants and faculty members attended the session. The department organized another guest lecture on 21.08.2021, titled 'Continuous Integration and Continuous Delivery in Software Industry'.

Mr Ankur Mathur, Sr. Engineering Manager, Lendingkart, Bangalore, was the resource person. Fifty-Eight student participants and faculty members attended the session. The events were coordinated by Dr Ramesh C, Associate Professor & Head, Department of Computer Technology.



Product Testing



Dr VC Uvaraja, Dr A Anandha Moorthy, Mr S Deepankumar, and Mr S Kathirvel, New Product Development lab, tested the Agriculture Trash Picker at Aero Block, BIT, on 23-07-2021.

Dr VC Uvaraja, Dr A Anandha Moorthy, Mr S Deepankumar and Mr S Kathirvel, New Product Development lab, tested the Weed Remover at AS Block, BIT, on 23-07-2021.

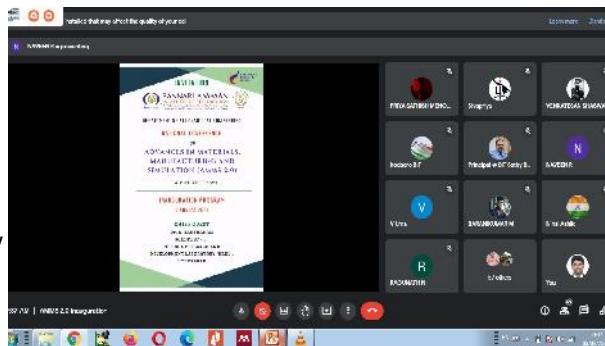
World Skills - Visual Merchandising skill training for 5 students of BAPS



Training on Visual Merchandising Skills was provided for 5 students of BAPS, who had qualified for the 2nd round in the World Skills event on 30.07.2021. They were trained on key areas of concept note preparation, perspective drawing method and online research basics. Ms R Priya, Art and Design Lab In-charge, trained the students.

2nd National Conference AMMS 2.0 organised by Aeronautical Engineering

The Department of Aeronautical Engineering organised the 2nd National Virtual Conference on "Advances in Materials, Manufacturing and Simulation - AMMS 2.0" on 6 & 7 August 2021. The conference was inaugurated on 6 August 2021. Capt. Dr M. Kalil Rahiman, Associate Professor & Head, welcomed the Chief Guest & participants and briefed the audience about AMMS 2.0. Dr C. Palanisamy, Principal/BIT, delivered the presidential address. The Chief Guest, Dr R. Santhanam, Scientist-F, Defence Research and Development Laboratory (DRDL), DRDO, Hyderabad, gave the inaugural address and spoke about smart materials and structures. Dr K. Rajasekar, AP-II, Aeronautical Engineering, proposed the vote of thanks. A total of 84 papers were received from the students, faculty members and research scholars across the nation.



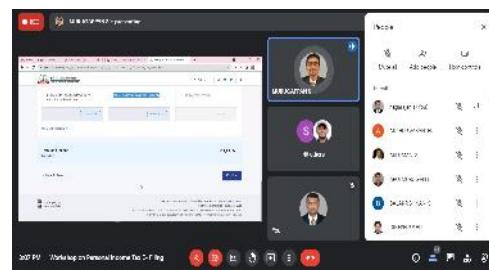
Oceans of Opportunities for Mechanical Engineers through GATE/ESE/PSU

Department of Mechanical Engineering organised a guest lecture on "Oceans of Opportunities for Mechanical Engineers through GATE/ESE/PSU" for Mechanical Engineering students on 10.08.2020, Sunday, between 3.00 pm – 4.30 pm. The session was handled by Mr M. Ananda Kumar, Senior Faculty/ACE Academy Hyderabad. The program was coordinated by Dr G Kumaresan, Mr C Subramaniyan, Mr N Bhuvanesh, working under Energy and Thermal Product Development Laboratory.



Personal Income Tax E- Filing

School of Management Studies (SMS) organised a Workshop on "Personal Income Tax E- Filing" for the faculty members of BIT. The workshop was handled by Dr S Murugappan, Professor, School Management Studies (SMS). Around 50 faculty members across the departments participated in the workshop. Dr S Murugappan, Professor-SMS, and Mr S Nagarajan, AP-SMS, coordinated the workshop.



Guest Lecture

The Department of Computer Science and Engineering organised a guest lecture on 'Information System and E-Commerce' on 19.08.2021 from 2.00pm to 3.00 pm. Thirty-five participants attended the guest lecture, handled by Mr K Boopathi Kumar, CEO/ Founder, Training Trains, Coimbatore. Ms PR Rupashini, AP/CSE and Mr B Magesh Kumar, AP/CSE, coordinated the event.

Dept of BME & Force Biomedical BIT Chapter: Bio-Equipment Quiz 2021



The Department of Biomedical Engineering and the Force Biomedical Society conducted Bio-Equipment Quiz 2021 on August 17, 2021, from 2:00 PM to 3:00 PM IST, through online platform. The Bio-Equipment Quiz was all about debugging problems with medical applications. Mr. Krishna Kumar S, AP-I/BME and Ms. Rasheedha A, AP-I/BME were the event coordinators. Karthi R.V (201BM110) and Samyuktha V (201BM132) were the student coordinators. Around 172 participants including internal and external students from Bannari Amman Institute of Technology and other colleges have actively participated.

T-Shirt Print Design Development

Department of Textile Technology organised a 1-day workshop on 'T-Shirt Print Design Development in Adobe Illustrator', in association with The Institute of Engineers, IIPC-local chapter.

Ms Suganya Selvaraj, Senior Designer, Philips, Bangalore, handled the online workshop on 28/8/2021 and educated the students on the upcoming trends in print design developments.

Session on Technology Innovation Forum for Agricultural Nurturing (TIFAN) 2022 S5 BME Class Committee Meeting

The screenshot shows a Microsoft Teams meeting for the TIFAN 2022 session. The agenda includes:

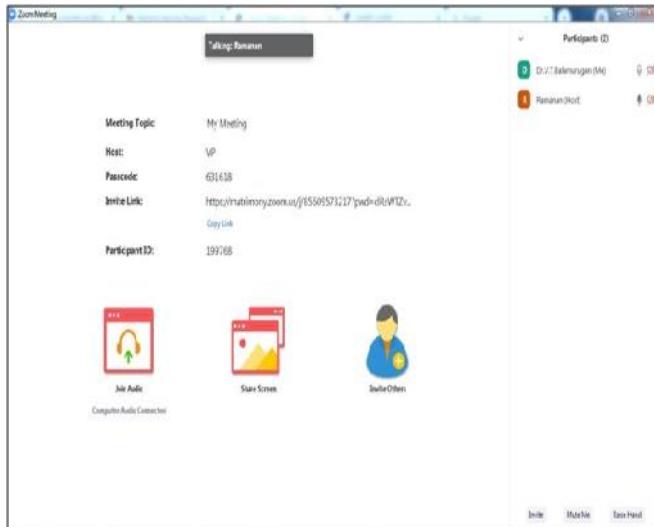
- Challenge:**
 - National level competition for Engineering and Agricultural engineering students
 - Develop self propelled machine for a given theme
 - Focus on Land preparation, Intercultural and Harvesting Operations
- TIFAN 2022 Theme:**
 - Develop self propelled Orion Harvester
- Team Size:**
 - Min 15 & Max 25 students (Inter-stream, across all year students welcome)
 - Maximum 2 Faculty Members
 - Minimum One Farmer member
 - All Students and Faculties must have valid SAE Membership at the time of Qualifying Round
- Registration Fee:**
 - INR 7000 + GST 18%
 - Registration Till on 22nd August 2021
 - Final Round – INR 5000 + GST 18%

The Department of Agriculture Engineering, Smart Agriculture Lab & SAE India jointly organised an online session on "Technology Innovation Forum for Agricultural Nurturing (TIFAN) 2022" on 9/08/2021, at 3.30 pm. Rajasekar Siddheswaran, AGM, Pune; Padmakar Surwade, Senior Lead Engineer, Sewalkar Swarupananad, Staff Engineer, of John Deere India, Pune, participated. Dr V. Chelladurai, HOD/AGRI, faculty members and with more than 40 students also participated. The guests shared their experiences of the previous year's event and provided an overview of TIFAN 2022.

Industry Interaction

Sensors and Instrumentation Lab Meeting with Astro-Vision and Matrimony.com

Sensors and Instrumentation Lab faculty members attended a meeting with Mr Arun Nair - CEO-Astro-Vision, and Mr Bharat Ram-Project Manager-Matrimony.com, on 04.08.2021. The faculty members discussed the scope of research collaboration with Astro-Vision and Matrimony.com.



Auto - Consultancy Test Project

Mr S Deepankumar and Mr S Dhayaneethi AP/Automobile Engineering completed a consultancy test project on Two-wheeler Engine Emission and Noise Level Testing (Royal Enfield-Meteor 350 and KTM - 390 Adventure) to Motowings Performance Velmurugan Agencies on 16.08.2021.



Industry Interaction

Dr B. Soundara, Professor/ Civil Engineering, interacted with Mr L Udayakumar, Projects Manager, L & T Construction Heavy Civil Infrastructure at CMRL Phase-2, Nungambakkam office, on 9 August 2021. He assured to provide internships, industrial training and guest lectures for skill enhancement of BIT students.



Industry Visit

Dr.N.R.Gayathiri – Head of the Department and Mr.G.Ranjith, Assistant Professor from the department of Artificial Intelligence and Data Science have visited M/s Xplore IT Corp, Coimbatore on 5.8.2021. Mr.Sathish Founder, Mr.Aravindh-Head-Training and Development, Mr.Gopinath- Technical Lead from Xplore IT Corp were present for the meeting. Refinement of Curriculum and Syllabus, One Credit Courses and practical implementation of AI concepts were discussed in the meeting.



MoU and Industrial Visit



Capt. Dr Kalil Rahiman M, Associate Professor & Head, and Mr S.Santhoshkumar, AP-II of the Automobile Engineering Department, visited Sakthi Gears, Elmech Automations and Lakshmi Life Science Limited, Coimbatore on 05.08.2021.

They interacted with Mr K Eswaran, Chairman, Sakthi Gears; Mr Vishnu Prakash, Managing Director, EL Mech Automations; and Mr Kamalakannan, Head, Customer Service Department, Lakshmi Life Science Limited (LLS), Coimbatore; who assured to provide internships, industrial training, placements and projects to enhance the skills of our students. Sakthi Gears, Coimbatore has also signed a Memorandum of Understanding (MoU) with the Aeronautical and the Automobile Engineering Departments.

Visit to SJN School



Dr K Sivakumar, Dean-PDS, and Dr A Amar Karthik, Professor, Mechanical Engineering, visited Satchidananda Jothi Nikethan International School, Mettupalayam, on 7 August 2021. The visit was intended to explore opportunities for BJT's contribution to pedagogy-oriented teachers training and academic system development at the school.

Faculty Visit to Modhur Farm (BASL)-Farm Implement Testing

Mr. Aanad Raj (Manager) Implement Testing and Validation (John Deere, Pune) came to Modhur Farm(BASL) for conducting Implement testing trials on 17-08-2021. Dr. Chelladurai V (HoD/AGRI ENGG) along with Mr. Nimkar Amey Sanjay (Assistant Professor/AGRI ENGG) visited the testing site for observing testing Procedure with Field Trials on Modhur Farm of Bannari Amman Sugars Limited.



Train the trainers - World skill training by TKM

Eight faculty members from BIT underwent World Skills Training offered by Toyota Kirloskar Motors, Bengaluru, on their campus, for Mechatronics and Prototype Modelling Skills. The team includes Dr Ramesh Kumar T, Mr Selvamuthukumaran D, Mr Madheswaran S and Mr M Nandagopal from Mechanical Engineering; Mr Sivabalakrishnan R from Mechatronics; Dr S Arun Jayakar and Mr R Arun Chendhuran from EIE; and Mr S Sundar from the EEE department. The training was conducted between



16 & 20 August 2021 and included orientation, body & mind coordination and skills training. The training covered hands-on proto modelling and mechatronics skills, where faculty worked on physical models by creating prototypes and assembling stations.

Civil Consultancy Work Completed



Sustainable Civil Engineering Materials Lab and Soil Mechanics Lab of Civil Engineering Department completed the consultancy work on subsoil exploration at KVK, Government Boys Higher Secondary School, and KOM Girls Higher Secondary School at Punjai Puliampatty on 23.08.2021.

Startup Meeting with Mr.Nikunj Panchal

Mr.Nikunj Panchal, Associate - Startup TN addressed 22 startup in-charges regarding the establishment of BIT startups on 28/08/2021 at Conference Room Special lab block.



Train the Trainers - World Skill Training by FESTO

Four faculty members from BIT underwent World Skills Training offered by FESTO India Pvt Ltd, Bangalore, on their campus for Mechatronics and Water Technology skills. The team includes Mr M Raghunath and Mr S Raghavendra Prabhu/

Mechatronics, Dr L Rajasekar/EIE, and Dr P Pachamuthu/Chemistry. The training started on 23.08.2021 with complete assembling, disassembling of the distribution station of the modular production system, mechanical and electrical assembly & disassembly, and testing of Edukit.



SMC Delegates Visit BIT to Establish PLC Foundation Lab



A team of delegates from SMC India comprising Mr Ravishankar, Assistant Manager and Mr Ashok, Senior Engineer, visited BIT regarding establishing PLC Foundation Lab. A team of faculty members, including Dr P Senthil Kumar, Mr R Sivabalakrishnan, Mr Sundhar and Dr EL Pradeesh, interacted with the SMC delegates. Dr KL Senthil Kumar headed the meeting, and Mr K Nandakumar, Robotics Lab, coordinated.

Siemens Train the Trainer Programme for Faculty members

A train the trainer programme was conducted by M/s. Siemens for the EEE faculty members on 25 August 2021. Mr Guru, Siemens commissioning and service officer, visited our campus to facilitate the centre of excellence lab equipment, interfacing, programming and experimentation training programme. Twelve faculty members attended the hands-on training session on Sinamics S120 drive.

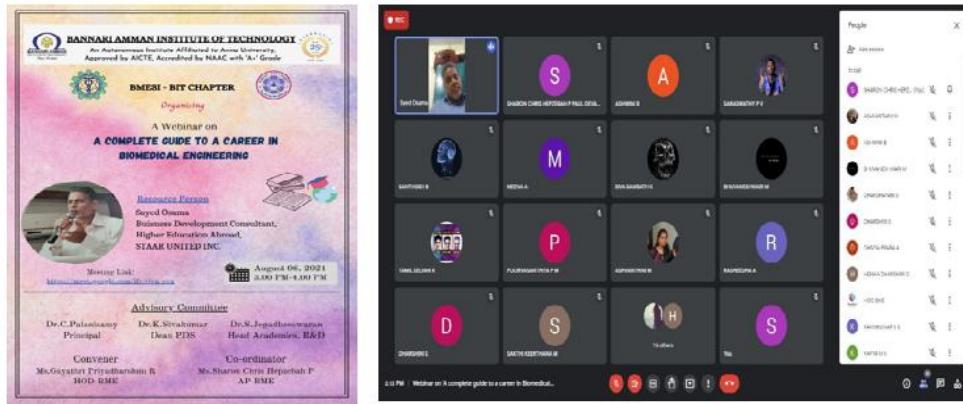


Webinars Organised

Introduction to Full Stack Development

The System Society of India, BIT, and the Department of Computer Science and Engineering organised a national level webinar on 'Introduction to Full Stack Development' for the students of I/II/III/ year of CSE, CSBS, and ISE. Totally 130 students registered for the programme. The event was organised by Mr R Sathishkannan AP-I/CSE & Mrs E Kalaivani AP-I/CSE on 03/08/2021 from 05:00 pm to 06:00 pm by Mrs Nathiya Sri, and 90 students participated.

BMESI – BIT Chapter Webinar



The Department of Biomedical Engineering and The Biomedical Engineers Society of India (BMESI) Student Chapter of Bannari Amman Institute of Technology (BMESI BIT Chapter) organised a webinar on "A complete Guide to a Career in Biomedical Engineering" on 06 August 2021 from 3.00 pm to 4.00 pm IST.

Mr Sayed Osama, Business Development Consultant, STARR UNITED INC, was the resource person for this session. He explained the higher education programmes (PG, Ph.D, MBA) and job opportunities in European countries such as the UK, Germany, Sweden, Russia, and Canada. He also talked about the scholarship, document processes and loan facilities for admission in foreign universities and colleges. Ms Gayathri Priyadarshini R, HoD i/c. convened the webinar, and Ms Sharon Chris Hepzebah P, AP/BME, coordinated. Forty-eight students and faculty members attended the session.

Chaos Engineering and Resiliency

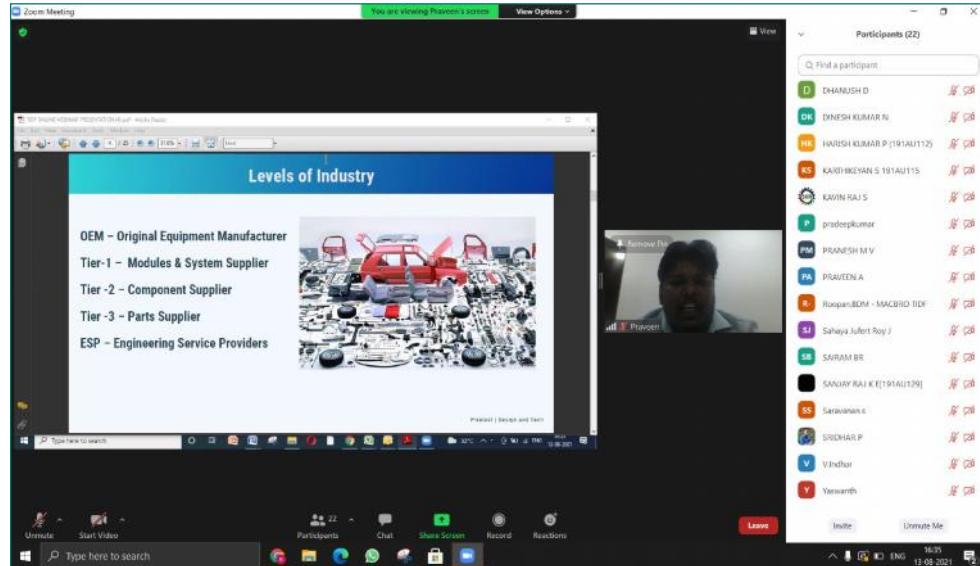
The Department of EEE organised a webinar on "Chaos Engineering and Resiliency" on 6 August 2021 between 4.30 pm – 5.45 pm. The session was handled by Mr V Naveen Raj, Team leader and Performance Engineer, DELL International Services Pvt. Ltd, Bangalore. It was coordinated by Mrs PSritha, AP/EEE. Thirty-two students from III year attended. The resource person addressed the key aspects of load testing and performance engineering in computers.

Data is the New Oil

The Department of Computer Science & Engineering organised a national webinar titled "Data is the New Oil" on 20.08.2021, 10.00 am – 11.00 am. The session was handled by Mr Sivabalan, Data Engineer, Renault Nissan technologies, Chennai. He addressed the data applications and their job opportunities in industries. Forty-three students participated in the webinar, organised by Ms C.Lavanya and Ms R.Janagi, AP/CSE.

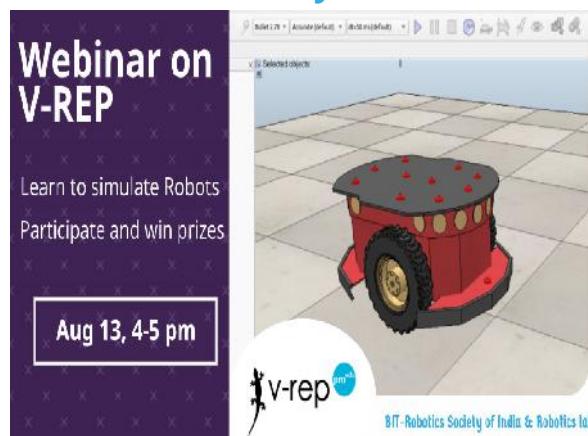
Webinars Organised

Advanced Product Design and Development of Automotive interior /Exterior plastic component trims



Department of Automobile Engineering conducted a webinar on "Advanced Product Design and Development of Automotive interior / Exterior plastic component trims". Mr Roopan Sanjeev Raju S, TIDF-Training Manager, MACBRO, Erode, handled the session. Students from the third year and final year Automobile Engineering department attended the webinar.

Robotics Society India - BIT



Robotics Society India - BIT Student Chapter, in association with Robotics Special Lab, conducted a webinar on 'Simulating Robots Using V-Rep Software' on 17 August 2021. Mr Nandakumar AP-MTRS handled the session, and 15 students participated.

Future AIimpacts on Society

Department of IT and Institute for Engineering Research and Publication (IFERP) Technical Chapter organized a webinar on "Future AIimpacts on Society" on 05-08-2021. Sixty-one participant from the IT department attended.

The resource person Mr Saravanan S, Process Lead, Capgemini Technology Services Private Ltd., delivered a session on fast & accurate diagnostics, socially therapeutic robots, reduce errors related to human fatigue, AI-based surgical contribution, davinci surgical system, improved radiology, and virtual presence associated to artificial intelligence. The webinar was coordinated by Mr Rajakumar P and Mr Selvakumar M, AP/IT.

Webinar Organised

Department of Mechatronics organised a webinar on "The Next Level of Automation" on 28.08.2021. Mr V Prabhakaran, Director- Technical, Automation, Mine Power Controls & Systems, was the resource person. He spoke on the recent advancements in Industrial Automation. Fifty students and faculty members of Mechatronics participated. Dr A Megalingam, Associate Professor & Head, convened the webinar and Dr MC Pravin, Assistant Professor-II, Mechatronics, coordinated.

Webinars organised

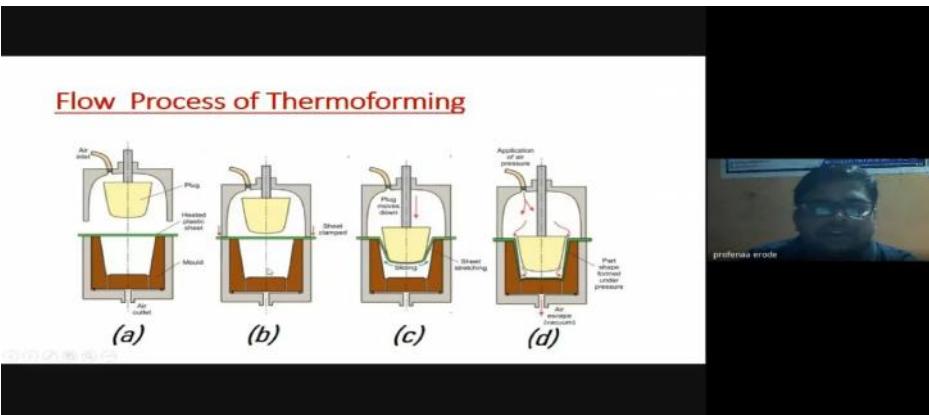
Webinar on Next Generations Reality AR/VR/MR

Department of Computer Science and Engineering organized a national-level webinar on "Next Generation's Reality AR/VR/MR" for the students of I/II/III/ year of CSE, CSBS, CT, and ISE on 04.08.2021 from 05:00 PM to 06:30 PM. The session was handled by Mr. Vinith Babu, CEO, Geek Stacks, Coimbatore. The event was coordinated by Mrs. M. Karthiga AP-I/CSE. A total of 83 students attended the session.



Thermoforming and Vacuum forming Mould Design by Solidworks

The Department of Mechanical Engineering, in association with BIT MTS Student Section, organised a national webinar titled "Thermoforming and Vacuum forming Mould Design by Solidworks" on 06.08.2021, 4.30 – 5.30 pm. The session was handled by Mr Shankar Mahalingam, Managing Director of Profenaa Industrial Center, Erode. He addressed on thermoforming and vacuum forming processes and their applications. One hundred thirty students from Automobile, Aeronautical, Mechatronics, Mechanical, and Agricultural Engineering departments participated. Mr A. Ramakrishnan AP II/Mech and Mr Selvamuthukumaran D AP II/Mech, also the BIT-MTS Student Section councilor and UUV Lab i/c., organised the webinar successfully



Occupational Safety and Health in India

ASCEBIT Student Chapter of the SCEM Lab organised a webinar on Occupational Safety and Health in India on 6 August 2021.

The resource person was Dr N. Krishnamurthy, a consultant for Safety, Structures, Computer Applications, Singapore. The valediction of BITTECHFEST Event Vision Modelerie was held after the webinar.



LTE/VoIP/ VoLTE Testing

Mrs P Dhivya, AP/CSE, organised a webinar on "LTE/VoIP/ VoLTE Testing" for the third year CSE students on 7/8/2021 at 3.00 pm. The guest speaker of the webinar is Ms Soundarya Sambath, Software Engineer, Tech Mahindra, Bangalore. Thirty-two participants attended.

Webinars organised

ML Based Medical Image Processing

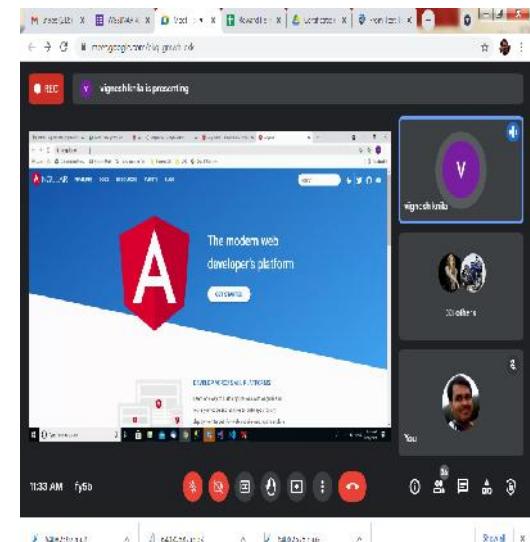
The Department of Biomedical Engineering and The Biomedical Engineers society of India (BMESI) Student Chapter of Bannari Amman Institute of Technology (BMESI BIT Chapter) conducted a Webinar on "ML Based Medical Image Processing" (Round 1) of the event "CODE-O-FESTA", a National Level Webinar-cum Coding contest on 13.08.2021 from 02:00 p.m. to 04:00 p.m. IST. Ms Vaishnavi Pandiyan, Founder and CEO of Towards Technology, was the guest speaker of the session. She explained Image processing using Machine Learning and discussed the methods and sources for modelling and image analysis using Machine learning. Following the webinar, a quiz was conducted, and the participants were shortlisted for the round held on 14.08.2021. Ms Gayathri Priyadarshini R, HoD i/c, AP/BME was the convener and Ms Sharon Chris Hepzebah P, AP/BME was the event coordinator. Ms Darshini S (191BM114) and Mr Bala Murugan R (191BM107) were the student coordinators. Around 46 internal and external participants and Faculty members attended the session.



A Path Towards Higher Education

The Department of Automobile Engineering, in association with the Imperial Society for Innovative Engineers (ISIE) & Automotive Students Association (AMSA), organised a webinar on "A Path Towards Higher Education" on 14.08.2021. Mr S Prasanna Krishna, Founder-Career Zone Consulting Pvt Ltd, Coimbatore, was the resource person. Dr M Bharathiraja, ASP/HoD, Mr S.M.Praveen, AP coordinated the event in which 30 students participated.

Web Development using AngularJS

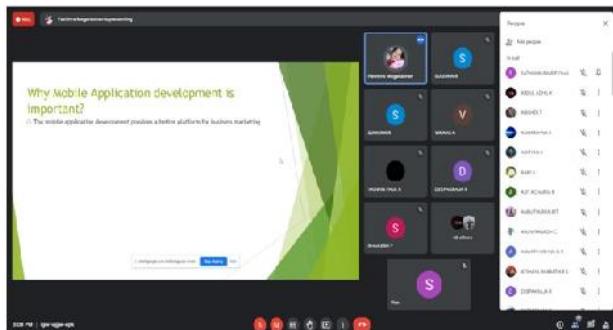


The Department of Computer Science and Engineering organised a webinar on Web Development using Angular JS on 16.08.2021. Mr D Vignesh, Technical trainer, Knila IT Solutions, Coimbatore, was the chief guest. He conducted a hands-on session on 'AngularJS'. The event was coordinated by Mr A Saran Kumar and Mr V Praveen, AP/CSE. Forty student participants and faculty members attended the session.



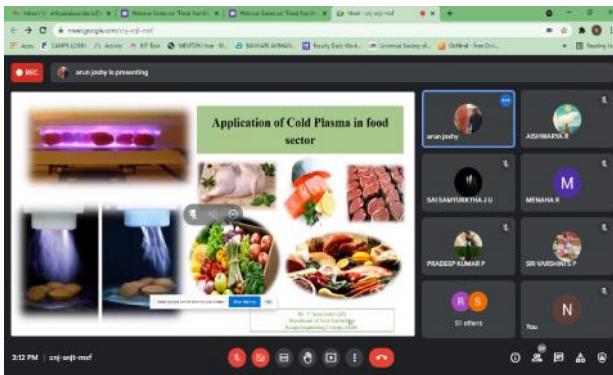
Mobile Application Development

The Department of Computer Science & Engineering organised a national webinar titled "Mobile Application Development" on 14.08.2021, 3.00 pm – 4.30 pm. The session was handled by Ms Pavithra Meganathan, Technical Manager, Brimma Tech, Chennai. She talked about mobile application development and its job opportunities in industries. One hundred students participated in the session organised by Dr R Sugunaand P Sathishkumar, AP/CSE.

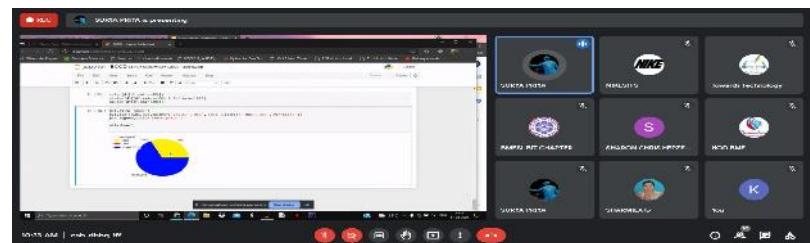


Cold Plasma in Food Applications

The Department of Food Technology Organised a Webinar on "Cold Plasma in Food Applications". Mr. Arun Joshy, AP, Department of Food Technology, Kongu Engineering College, expert in cold plasma techniques delivered a lecture about this topic and it was an good opportunity for students to interact with him and learn about cold plasma techniques.



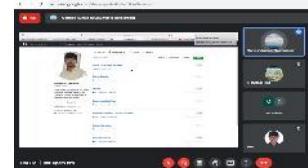
ML-based Medical Image Processing



The Department of Biomedical Engineering and The Biomedical Engineers Society of India (BMESI) Student Chapter of Bannari Amman Institute of Technology (BMESI BIT Chapter) conducted a webinar on "ML-based Medical Image Processing" (Round 2) of the event "CODE-O-FESTA", a National Level Coding contest, on 14.08.2021 from 10.00 am to 11:30 am. During this session, the selected participants from Round-1 presented their work on different problem statements provided. Ms Vaishnavi Pandiyan, Founder and CEO of Towards Technology and Mr Kalimuthu M AP/EIE were the juries of the session. Ms Gayathri Priyadarshini R, HoD i/c-BME was the convener; and Ms Sharon Chris Hepzebah P, AP/BME, was the coordinator. Darshini S (191BM114) and Balamurugan R (191BM107) were the student coordinators.

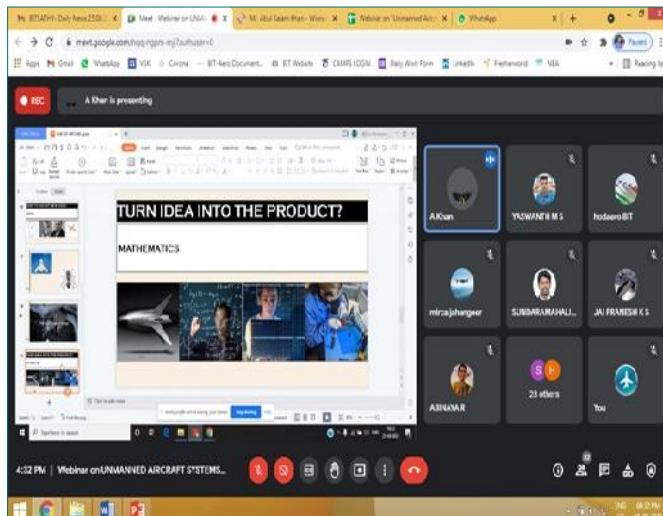
How to build a technical work profile using Github

The Department of Artificial Intelligence and Data Science in association with "Kaggle" Technical society organized a webinar on "How to build a technical work profile using Github" on 17.08.2021 (5.30 pm to 6.30 pm). Mr. Ganesh Kumar, Software Engineer, Palo Alto Networks, Bangalore was the chief guest. He addressed students on "Usage of Github". The event was coordinated by Mr G Ranjith and Mrs S Nithyapriya, AP/AI & DS. Forty student participants and faculty members attended the session



Webinar on Unmanned Aircraft System (UAS)

The Department of Aeronautical Engineering organised a webinar on "Unmanned Aircraft System (UAS)" on 25.08.2021 from 4 pm to 5 pm. The technical lecture was delivered by Mr Abul Kalam Khan, Vice President, Autonomous Systems ANS. Pvt. Ltd., Bengaluru, Karnataka. The key points of the discussion were innovation, opportunities, academic subjects, and entrepreneurship. Thirty students participated in the webinar convened by Capt. Dr M. Kalil Rahiman, HoD/Aero, and coordinated by Mr P. Vadivelu, AP/Aero.



Potential of Bio-Energy

Department of Agriculture Engineering, in association with Smart Agriculture Lab and Indian Associate of Agriculture Engineers, has organised a webinar on "Potential on Bio-Energy" on 29.08.2021.

Dr V Gopalakrishnan, Retired Director & Executive - BHEL, Trichy, was the chief guest. He shared his views on Bioenergy conversion methods and their industrial applications. The webinar was organised by Dr V. Chelladurai, Head/Agri, Ms A Bharani Priya, AP/Agri and Ms J Archana AP/Agri. Totally 54 students and the faculty members of the department attended the webinar.

Webinar by Special Lab and ASCE BIT

Sustainable Civil Engineering Materials Lab and ASCE BIT Student Chapter organised a webinar on "Civil Engineering - The field of Creation" on 28.08.2021. The resource person for the event was Mr Saran Karthik, Project Supervisor, CTP Consultants, Malta, Europe. He explained the construction activities of Marine Structures in Malta, Europe.

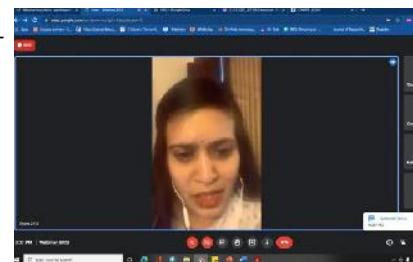


Webinar – Personal Developments for a Biotech Career

The Department of Biotechnology in association with The Biotech Research Society – India (BRSI), India organized a one-day webinar on Personal developments for a Biotech

Career on 1.07.2021. Mrs. T. Shalini, Team Leader, Viatris Ltd, Bangalore was the chief guest for the program. A total of 83 students from III & IV Year B.Tech Biotechnology attended the webinar along with the external members of BRSI.

Dr. S. Tamilselvi, Associate Professor and Head of Department welcomed the Chief guest and the participants. The session was concluded with a vote of thanks by Dr. M. K. S. Pavithra, AP (Sr.G) / BT and Faculty Coordinator of BRSI.



Health & Wellness Trends in Global & Indian Food Industries

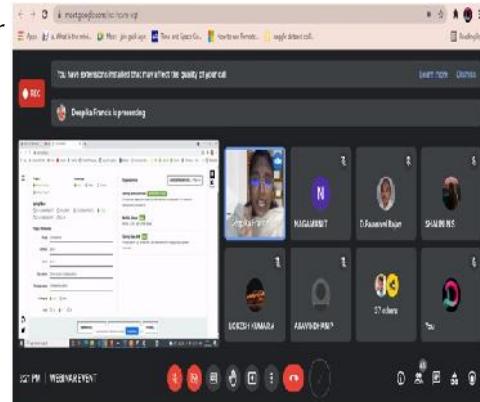
The Department of Food Technology organised a webinar on "Health & Wellness Trends in Global & Indian Food Industries".

Ms S Dhanupriya, Food Tech Business Consultant, DPro Food Consult, Chennai, a nutrition expert, delivered a lecture on the topic.



Web Component Development With Spring Boot

The Department of Computer Science & Engineering organised a national webinar titled "Web Component Development With Spring Boot" on 21.08.2021. The session was handled by Ms Arun Deepika, Senior Consultant, Xebia IT Architects Pvt Ltd, Bangalore.

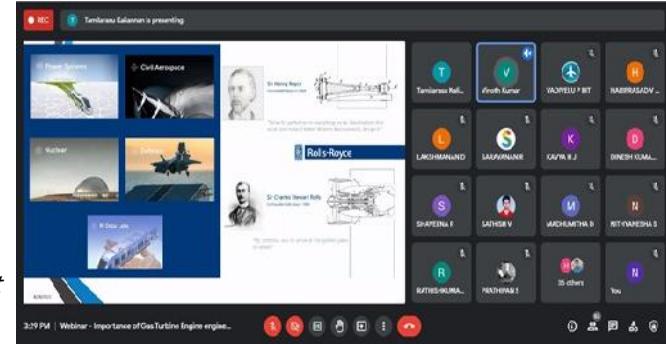


She addressed web development using Spring Boot and its job opportunities in the industry. Fifty students participated in the webinar organised by Ms P Divya and Mrs T Nagamani, AP/CSE.

Importance of Gas Turbine Engine engineering services in (Preventive & predictive) Maintenance

The Department of Aeronautical Engineering organised a webinar on "Importance of Gas Turbine Engine engineering services in (Preventive & predictive) Maintenance" on 18 August 2021. The resource person for the programme was Mr Tamilarasu Kaliannan, Director, Aerotek Technologies & Mr Vinoth Kumar, Quality Manager, Lionbridge, Bengaluru. Students and faculty members from Aeronautical Engineering attended the programme and learnt the importance of Gas turbine maintenance and manuals.

Students were also enlightened on the internship opportunities in Aerotek Technologies.

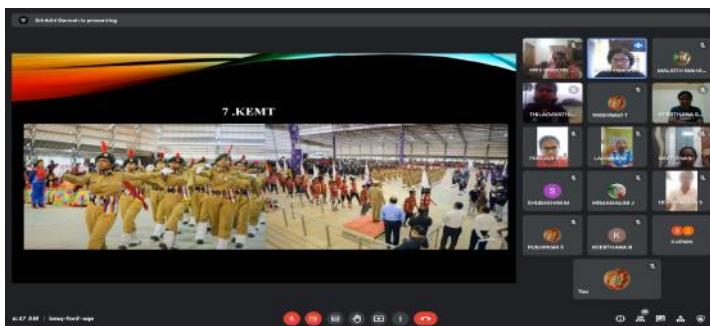


Data Analytics

The Department of Computer Science & Engineering organised a national webinar titled "Data Analytics" on 19.08.2021, 3.00 pm – 4.00 pm. The session was handled by Mr Yukeshkumar Bala Subramaniam, Technical Associate, Cognizant Solutions, Chennai. He addressed the Data Analytics applications and their job opportunities in industries. Fifty students participated in the webinar, organised by Dr R Suguna, AP/CSE and P Sathishkumar, AP/CSE.

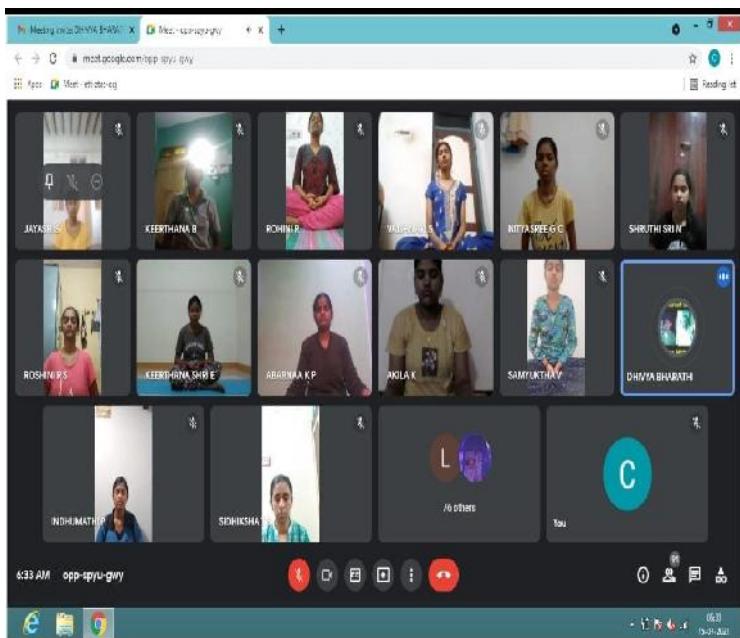
BIT-NCC Activities

Physical and Theory classes for both SD and SW cadets are conducted weekly for four days. Physical classes are scheduled in the morning from 6.00 am to 7.00 am. Theory classes are conducted on all Saturdays and Sundays. The "BIT-NCC connects India" event is conducted along with scheduled classes every Saturday. In this regard, on 17.7.2021 best cadet CQMS Srinidhi. G and Caretaker Mrs. B. Paulin Ebenezer, Karunya Academy for Theological Education took part in our morning class and interacted with our cadets by sharing their NCC daily activities, various camp experiences, and fitness training during the lockdown. On 31.07.2021, Lt Kaveti Santhoshi, Assistant Professor and Sgt Mani Raj, Sgt Harish Raj, Cdt Mozza, Government Engineering Colleges, Hyderabad belong to 2T battalion NCC Secunderabad, Telangana directorate also interacted and explained the benefits of Camps and C-certificate. The event was coordinated by Capt.Dr Kalil Rahman M, Lt.Dr M Malathi and Ms Rohini D, Caretaker.



One-Month Yoga Training

BIT Centre for Yoga offered a 1-month online yoga training for students. Separate classes were conducted for male and female students of I year programmes. Yoga Instructors Mr S. Murugapandi and Mrs S. Dhivya Bharathi handled the sessions for boys and girls, respectively. Nearly 300 students participated.



Spandan 2k21 – National Level NCC Event

On the occasion of 75th Independence Day, BIT NCC organised a national level event, "SPANDAN 2K21" for NCC cadets to commemorate the 75th Independence Day virtually. Capt. Dr. Kalil Rahman M, Associate NCC officer initiated the conduct of this remarkable event with various competitions held between 14.08.2021 and 16.08.2021. BIT NCC invited cadets from various colleges and schools all over the nation to participate in the National Level virtual event. SPANDAN 2K21 encompassed totally of 12 events under various categories for Senior Division/ Senior Wing and Junior Division/Junior Wing.



A total of 1,024 cadets successfully registered for the National Level NCC event. Capt. Dr. Kalil Rahman M and Lt. Dr. Malathi Mahalingam, Associate NCC officers, Mrs. Rohini D Caretaker, CSM Dhanesh Raam S, CQMS Santhosh K, SGT Balaji SR, SGT Cibi Joshua S, SGT Swarneswar B, CSM Pavithra S, CQMS Indhira Priyadarshini D along with the cadets of BIT NCC coordinated this event.

Spandan-2K21 Felicitation Ceremony

BIT-NCC organised SPANDAN-2K21 as a part of the Independence Day events from 14 – 16 August 2021. One thousand twenty-four cadets from SD, SW, JD, and JW registered for the event. The felicitation ceremony was held on 27 August 2021, and Capt. Dr Kalil Rahiman M, Lt. Dr Malathi Mahalingam, and caretaker Mrs Rohini D addressed over 200 participants during the ceremony. Several events including Ants in Your Pants, Da Vinci Code, Brain Buzz, Magic Touch, Spill the Ink, Mr/Ms Cadet, Wealth Out of Waste, Doodle Time, Ignite Tal, and Extempore were conducted. Cdt. Lakshmi M proposed the vote of thanks.



NCC Year Book Souvenir 2020-21 Release

One year journey of BIT NCC has been made into year book souvenir 2020-21 which has been initiated by Capt. Dr Kalil Rahiman M, Associate NCC Officer and Associate Professor & Head, Aeronautical Engineering. It was released online on 12.06.2021(Saturday). Major Dr. B Kanagaraj, NCC officer, 4 (TN) Battalion NCC, Coimbatore and Associate Professor, Chikkanna Government Arts College, Tirupur was the invited guest. Gems of BIT NCC Alumni Mr. Cruz Stephen Raj M (SCUO 2014) System Engineer, TCS; Mr.T Manikandan (SCUO 2017), TSP Battalion 1, Trichy Range; Mr.Loveleeswaran S (SCUO 2018), Robotic Engineer, Synapse Robotics, Coimbatore; Mr. Gnanamoorthi MC (SCUO 2019) UPSC Aspirant shared their experience and the precious things they got through their NCC journey. Around 110 members including the NCC cadets of 2 (TN) CTC, 5 (TN) Girls Battalion, 2 (TN) Air Squadron, Lt Dr M Malathi, Associate NCC Officer and Mrs. D Rohini, Caretaker participated.

BIT NCC Cadet Attends IGC RDC Camp Selection

BIT NCC Cadet - TN20SWA839074, Cadt.PoojaKA (192BT151) took part in the unit level selection for the IGC RDC camp 2021 on 27.08.2021. 5TN Girls Battalion Coimbatore Group conducted the selection. She was selected in both the Drill and Cultural parts. She is undergoing a 3-day training from 28.08.2021 to 01.09.2021. She will participate in the first group-level camp on 02.09.2021 conducted by the 2TN Battery NCC Coimbatore group.



Club Events

NSS UBA CAMPAIGN

NSS of BIT under the UBA scheme conducted a campaign at NCLP School, Kundri, on 05.08.2021.

Faculty members Dr VN Vijayakumar, HoD/Physics, Dr R Praveena, &

Dr C Kavitha, AP/Chemistry, Mr K Jayakumar, HoD/Humanities, along with volunteers from the tribal village, completed the plumbing work, organised the materials at the school campus and distributed books and stationery for the school students of I - VIII standards.



GEO Webinar on Tiger Conservation

Green Eco Organisation [GEO] - the nature club of BIT, celebrated International Tigers Day last week. As a part of the celebrations, a webinar on 'Tiger Conservation' was conducted on International Tiger Day - 29 July 2021, between 10 am and 11 am. Thiru K Kalidasan, President, OSAI Environmental Organisation, was the chief guest and delivered a lecture on the significance and need for tiger conservation. Deepanraj R (171ME129), President-GEO welcomed the participants, and Pavithra R (172BT176), Secretary-GEO, proposed the vote of thanks. The event had a participation of 832 students of BIT. The webinar was coordinated by Mr K Jayakumar (Head-Humanities), Mr NV Manjunath (AP-II-Civil), Srinathji M (181EC265), Sneha RG (182FT131), Pugazh Anand (181ME235), and Valliammai (181CS311).

Paper Bag Awareness

NSS-BIT organised a paper bag awareness online event from 31 July 2021 to 03 August 2021. The event aimed to create awareness of the pollution due to plastic bags and serious environmental threats. The programme was organised by NSS programme officers Dr VN Vijayakumar and Dr R Praveena; and assistant NSS programme officers Dr A Mahadeswaran and Dr N Karthiga Shenbagam. Sixty-nine volunteers participated.



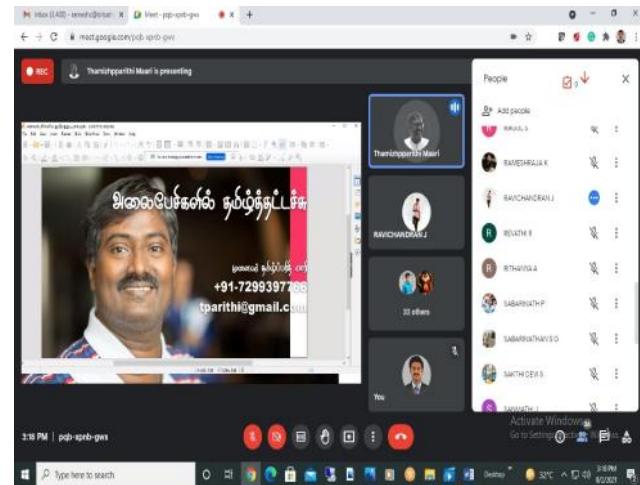
Leofest 2021

LEO club of BIT organised a national level symposium, "Leofest 2021", during 20-22 August 2021. The symposium comprised of several technical events namely paper or project presentation, circuit debugging, mechanical designing, quiz and a coding contest, and non-technical events such as photography, the manager, vlogging, meme contest and an open mic event. Four hundred forty student participants from BIT and other institutions participated. The valediction was held on 22 August 2021, in which the winners and runner ups of all eleven events were announced and provided with titles and cash rewards. The event was coordinated by Dr Subhapriya P, Head/Chemistry and Dr Sadasivam K, Associate Professor/Physics.

Club Events

Kani Tamil Peravai - BIT Club Training Programme

Tamil Virtual Academy funded project entitled "Kani Tamil Peravai - BIT" organised various training programmes including Induction programme, Wikipedia and Blogs, Tamil Input and Internet Introduction, App Development, Open Source Software, Web Designing, E-Content Creation, Technical Events and BIT Festival, from 30.07.2021 to 08.08.2021. Dr Tamilparithi Mari, Assistant Professor, Department of Journalism and Public Relations, Periyar University, Salem, handled the sessions. The events were coordinated by Dr Ramesh C, Associate Professor & Head / Computer Technology. Ninety-Three students from various departments attended the sessions.



World Elephant Day Celebrated by GEO



As part of the World Elephant Day celebrations, the Green Eco Organisation (GEO) of BIT screened an Elephant Awareness Documentary film on 22 August 2021. The online screening, from 10 - 11.15 am, aimed to provide a glimpse at the life of elephants and the significance of elephants in maintaining eco-balance. The event also sensitised participants on the hazards of plastic disposal within the forest boundaries and their impact on wildlife so far. Fifty-one GEO volunteers

participated in the event. The event was organized by the staff coordinator Mr NV Manjunath, AP-II/Civil, and student coordinators Bhuvaneshwari M (191BM109), Sowmiyan PV (191EE223), and Enitesh Kumar N (191EE123).

The LEO club of BIT organized a panel discussion on Women entrepreneurship and Women start-ups

LEO club of BIT took up an initiative and organized a panel discussion on "Women entrepreneurship and Women start-ups" on July 31, 2021, between 4.00 PM and 5.30 PM. Renowned female entrepreneurs namely Ms. Kaviarasi Natrajan - Founder of TYCHE Silk, Ms. Shankari—Founder of Naa Virundhu (Cloud Kitchen), Ms. Harini - Founder of Thadam Organics and Mrs. Vidhya Lakshmi, Founder of Posh Make Over by Swathi (Make-up Artist) elaborated the scope, opportunities and challenges for female entrepreneurs. Nearly 100 students from the II and III years attended this program virtually. The session was conducted by Dr. P Subhapriya, Assistant Professor III & Head-Department of Chemistry along with LEO club office bearers.

