

ACTIVITIES

Mechanical Engineering

Workshop on ECBC & ENS

11 OCTOBER 2022



Department of ME in association with Energy Management Centre (EMC), Trivandrum conducted a workshop for students and faculties on ECBC & ENS awareness. Building energy experts Jose Philip, Manu Mohan and Anil M R handled the technical session.

Expert talk on Toyota hybrid vehicles

20 DECEMBER 2022



The Institution's Innovation Council (IIC), Department of ME and EEE organized an expert talk on TOYOTA HYBRID VEHICLES on 20/12/2023 held in association with IEDC of SBCE.

Inauguration of Robotics Club

04 APRIL 2023



Prof. Aswathy B Raj, Chief Academic Officer, Techosa Edu Solutions inaugurating the Robotics club.

ACTIVITIES

Electrical & Electronics Engineering

Inauguration of EEE Association

27 OCTOBER 2022



The Inauguration was done with a talk on Promises of AI in Engg Data analytics by Prof. Siju K S, Asst. Professor (Saints Citta college) followed by awards to academic achievers.



Go-Kart (Designed & Developed by our S6 Mechanical Students)

A Group of S6 Mechanical students has developed a Go-Kart to participate in National Level Go-Kart Championship to held on July-August 2023 at Buddh International Circuit, New Delhi. The Chassis used is made up of low carbon steel and the basement is covered with aluminium sheet for reducing weight for full race purpose. The Go-Kart is powered with a Yamaha R15 V2 engine. The Go-Kart assembly has been exclusively done by the students in our mechanical workshop.

Workshop on 'Know your Branch..'

20-21 APRIL 2023



The department of Electrical and Electronics Engineering organized 2 day workshop S1 & S3 students on basic Electrical and Electronic circuits for practical application.

Workshop on Implementation & Design of Solar power plant.

09- 10 MAY 2023

The Dept. of EEE in association with Solar Tech Training Academy, Alappuzha organized a 2 day Workshop on "Implementation and Design of Solar Power Plant" for VI & VIII semester students.

ACTIVITIES

Mathematics & Basic Sciences

World Water Day 'UDHAK Quiz Competition

22 MARCH 2023



The Dept. Mathematics and Basic Sciences organized a quiz competition-'UDHAK' for second semester B.Tech students on the occasion of WORLD WATER DAY.

Session on-'Mathematics' A partner in Engineering Solutions

11 APRIL 2023



The Session 'MATHEMATICS'- a partner in engineering solutions was organized by Department. The session was handled by Dr.Savitha M.T, HoD, Dept of Mathematics, KSMDB College, Sasthankotta.

ACTIVITIES

Civil Engineering

Expert talk on Certified Building Permit

10 JANUARY 2023

ASCE in association with IIC conducted an talk on the topic "Certified Building Permit" for the PG students.

Workshop on Mix Design

14 FEBRUARY 2023

Dept. of CE in association with ASCE organized a workshop on Mix Design for B. Tech & M.Tech students. Dr. Ramaswamy K P, Assistant Professor, CE dept. TKM CE, Kollam was the resource person.

World Environment Day Celebrations

05 JUNE 2023



Dept. of CE in association with IE(I) and ASCE student chapters organized a water quality testing and distribution of sapling program for nearby areas of Pattoor as part of world environment day celebrations, water quality testing of the sample from school and from nearby localities were conducted, tree saplings were also distributed to the students of LPS Pattoor and residents of nearby houses.

ACTIVITIES

Biotechnology & Food Technology

Workshop on Novel Technological Advancement in Downstream Processing

30 JAN-3 FEBRUARY 2023

APJKTU sponsored FDP on "Novel Technological Advancement in Downstream Processing" was jointly organised by the Dept of BT & FT, Dr. G Arthanareeswaran (Professor, NIT, Tiruchirappalli), Dr. R Sindhu (Associate Professor, Dept. of FT, TKMIT, Kollam), among others participated in this FDP.

Workshop on 'Cuisine for well being, the need of the hour.'

15 MARCH 2023



A technical talk was on arranged by BUDS in association with FROZA. Dr. B Premlet, Rtd. Prof & Head, TKM College Of Engineering, Kollam motivated students towards research to Biotechnology and Food technology students.

Food Tech Workshop- AI on the Plate-

26 APRIL 2023



Dept. FT conducted a workshop on AI on the plate-navigating the future of food technology. The resource person was Ashwin Joy (AI and Python Expert, Cognizant Technology Solutions).

ACTIVITIES

Computer Science & Engineering

BAYMAX 2.0 24 hour Hackathon

16-17 DECEMBER 2022



The IEDC along with Dept. of CSE & AIML organized a 24 hour hackathon, 9 teams with innovative ideas in the areas of computing, social networking, monitoring and sustainable development participated in the event.

CSE Association Inauguration

10 MARCH 2023



The department association of CSE-Cyborg 2023 was inaugurated by Mr. Bilal Bin Nazar, Co-Founder, Crypt4bits. Prizes were distributed for student toppers.

Workshop on 'Android Application'

03-04 APRIL 2023

A workshop on "Android Application Development" was conducted by the Department. Mr. Prince V Jose Asst. Prof. of Saintgits College of Engineering Kottayam handled the sessions. The participants received a basic understanding as well as hands on experience on Android Application development.

UI/UX Workshop by ASAP Kerala

27 APRIL 2023

UI/UX workshop conducted by the department as part of Astral 2023 under the expert guidance of Ms. Alga Albin (Ux designer & design mentor @ASAP Kerala).

ACTIVITIES

Artificial Intelligence & Machine Learning

AIML Club Inauguration

08 MARCH 2023



The Dept. of AIML conducted the inauguration of AI club, the chief guest was Dr. Vinod Chandra S S, AI Consultant, Department of Computer Science & Engineering, University of Kerala.

MoU with Techgentsia

08 JUNE 2023



Department of AIML signed a 2 year MoU with Techgentsia Software Technologies pvt. Ltd, Cherthala.

National Conference RTACT' 23

15 JUNE 2023



The National Conference on Recent Trends in Advanced Computing (RTACT'23). Dr. Christy James Jose, Dept. of ECE (GEC Idukki) inaugurated the event.

ACTIVITIES

Electronics & Communication Engineering

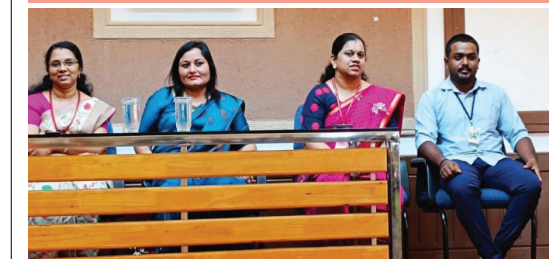
Workshop on Intellectual Property Rights & IP management

03 MARCH 2023

A workshop on Intellectual property rights & IP Management for startup by Vidyalekshmi V (Women scientist-C Alumni, NIPAM Trainer) in association with IIC, IEDC & Dept. of ECE.

Women's Day-'Digital Innovation & Technology for Gender equality'

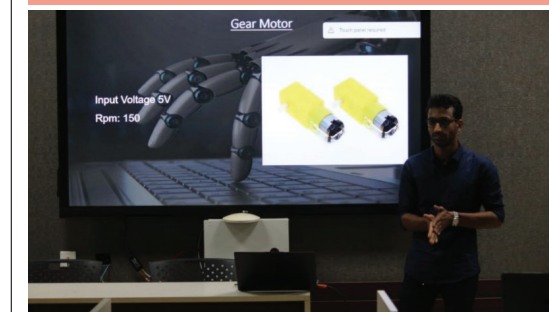
08 MARCH 2023



As a part of women's day celebration Dept. of ECE conducted Pencil Drawing competition for students on the "Digital Innovation & Technology for Gender Equality". Dr.Jency Blesson, Joint-Director, Jewel autism center, India & Dubai delivered a motivational talk.

Workshop on Make your own ROBOT

05 APRIL 2023



As a part of women's day celebration Dept. of A workshop on "MAKE YOUR OWN ROBOT" Machine learning based Robotics, was conducted by the Dept. of ECE.

DEPARTMENT TOPPERS

B.Tech Batch 2018-22



SHANA N
CE
CGPA-9.85



PRANAV PRAKASH
ME
CGPA-9.65



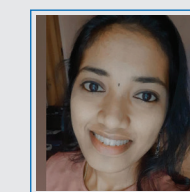
YAMUNA KRISHNAN
CSE
CGPA-9.23



SIJI P IDICULA
EEE
CGPA-9.14



SHYNU MARY JOHN
BT
CGPA-9.06



DIYA NAIR
ECE
CGPA-8.29

RESEARCH Findings

- Dr. Trijo Tharayil from ME Department received research funding of 3.89 lakhs from ANERT, Kerala for the project titled "Thermal management of batteries in electric vehicles using pulsating heat pipes".
- Ms. Shannamol G K; "The corrosion inhibition prospective of collagen/zinc oxide nano-composite coating on biomedical grade 316L stainless steel in simulated body fluid", KTU-CERD Research seed Money funding 2 lakhs.
- KTU-CERD Research seed Money funding 20000/-sanctioned for Design and feasibility studies on natural baby diapers cellulose Innovative Student Project Funding) Principal Investigator Dr. J.B. SAJIN & Co-Principal Investigator Dr. M.S.Senthil Saravanan from Dept. of ME.

PAPERS Published

- Zachariah Pulluparampil Mathew, G.K. Shannamol, K.P. Greeshma, Sam John, Insight on the corrosion inhibition of nanocomposite chitosan/boron nitride integrated epoxy coating system against mild steel, Corrosion Communications. <https://doi.org/10.1016/j.corcom.2022.09.001> (Scopus indexed open access).
- G.K. Shannamol, Best paper award for the paper titled "Assessment of the mild steel corrosion inhibition competence of Garcinia gummi-gutta leaf extract; Evaluation of XPS, thermodynamic and kinetic parameters".
- Ramesh K, Basanth Babu KM, Yoganathan KR, Sivasankar S, Combined Effect of Rise Husk Ash and Fibres on the Mechanical Properties of Concrete, AIP Conference Proceedings, 2023, AIP Conference Proceedings 2766, 020059 (2023), <https://doi.org/10.1063/5.0139388>.
- Gopalakrishnan R, Velraj Kumar G, Sivasankar S, Lenin Dhal and Purushothaman D, Numerical analysis of construction and demolition (C&D) waste-based geopolymers concrete beams with partially replaced coarse aggregate, European Journal of Environmental and Civil Engineering, Taylor & Francis, 2023, (SCIE) IF- 2.5216. <https://doi.org/10.1080/19648189.2023.2171141>.
- Shobha Elizabeth Thomas, K.P. Ramaswamy, Blessen Skariah Thomas, A review on rheological behaviour of alkali activated materials and the influence of composition factors, Materials Today Proceedings, 2023, ISSN, 2214-7853, <https://doi.org/10.1016/j.matpr.2023.03.277>.
- Impact of fiber length on mechanical, morphological and thermal analysis of chemical treated jute fiber polymer composites for sustainable applications J.B. Sajin, R. Christu Paul, J.S. Binoj, B. Brailson Mansingh, M. Gerald Arul Selvan, Kheng Lim Goh, R.S. Rimal Isaac, M.S. Senthil Saravanan
- Ms Ambika Sekhar from EC department published a paper titled "Machine learning based heart disease prediction" in IEEE conference proceedings ICGNIS.
- Dr. Anju J Prakash, "Modelling for Human Resource Management in the logistics departments using Data Mining Analytics and Intelligence", Artificial Intelligence in HR management, IIP publishers, 2023
- Ms.Asha V published a "Review Article- Development of biodegradable films using nanocellulose for food packaging application ": Analytical Methods in Environmental Chemistry Journal Research Article ,Issue 4
- Ms.Asha V published a Elsevier Book Chapter-"Enzymes for recovery of oil from edible seeds."

■ Physico-Chemical Properties of Alkali Treated Cellulosic Fibers from Fragrant Screw Pine Prop Root Martin Thangaraj Gerald Arul Selvan, Joseph Selvi Binoj, Bright Brailson Mansingh & Justin Abraham Baby Sajin

■ S. V. Annlin Jeba, "Support vector machine classifier optimized with seagull optimization algorithm for brain tumor classification", Concurrency and Computation-practice & Experience (Wiley), Vol. 35, Issue 1, 2023(SCI)

■ Dr. S. V. Annlin Jeba, Parvathy S Kurup, "A Secure and Efficient Student Performance Prediction System Based on Blockchain and Data Mining Technologies", Blockchain Intelligent Systems: Protocols, Application and Approaches for Future Generation Computing, Taylor & Francis, CRC press, 2023.(Scopus)

■ Dr Anil A R, "Embracing Cultural Richness: Integrating Cultural Elements in the Teaching Process for Enhanced Learning", GRADIVA REVIEW JOURNAL, ISSN NO: 0363-8057, 2023

■ Dr Ajesh F Published an article "An Effective Deep Learning Classification of Diabetes Based Eye Disease Grades: A Retinal Analysis Approach on Lecture Notes in Networks and Systems, vol 649. Springer, 2023 (Scopus Indexed) https://doi.org/10.1007/978-3-031-27499-2_22

■ Dr Ajesh F Published an article "Image Resolution on Multiple Parameters using Spatial and Transform Domain: A Systematic Analysis", 2023, IEEE Explore (Scopus Indexed), DOI: 10.1109/ICDT57929.2023.10150817

■ Dr Ajesh F Published an article titled "Age-Related Macular Degeneration Using Deep Neural Network Technique and PSO: A Methodology Approach" in Lecture Notes in Networks and Systems (LNNS) book series, volume 71, Springer, 2023 (Scopus https://doi.org/10.1007/978-3-031-35501-1_6).

NSS ACTIVITIES

31 DECEMBER 2022

Road Safety Awareness



A road safety awareness was arranged by NSS units of SBCE for the S1 students. The Session was handled by Mr. Sajimsha B and Mr. Sreelal S, Asst. Motor Vehicles Inspectors, RTO Enforcement Pathanamthitta.



ASTRAL 23 a National level techno-cultural event was organised during 25th - 27th April 2023. The event showcased the cultural, leadership & technical skills of students. Cine Artist Sri Aju Varghese inaugurated the event, Sri Jassie Gift, Ms. Saniya Iyappan, Ms. Gowrilakshmi, among others performed.

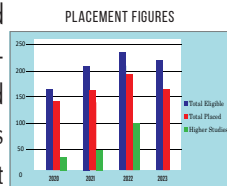
PLACEMENT CELL Activities & Figures



UST conducted a pre-placement engagement on 2nd June 2023 for S6 students and shared the companies expectations during the upcoming placement drive for 2024 batch.

The placements for 2023 batch started

at beginning of S7 and is still continuing. The placement cell placed around 100+ students in various companies like CTS, speridian, poornam, planet spark, turing minds, ISIE, and various others companies.



BEST ENTRY TITLE

28-29 APRIL 2023

Ideation on sustainability hackathon challenge

Gokul G kumar & Aiswarya Manmadhan of ECE S6 won the Best entry title among 24 others for ideation on Sustainability based startups at Sustainability Hackathon Challenge conducted at EDII Ahmedabad.



SPORTS Activities



KTU 'C' ZONE Volleyball Champions & Inter zone 3rd place.

SBCE Spike their way to 4 consecutive inter College Volleyball Championship victory.

UDHBHAVANA 2022

03 DECEMBER 2023

Model Presentation & Painting Competition



'Udhbhavana 2022' (Working Model & Poster Designing Competition) in association with Narcotics Cell Alappuzha was conducted successfully at SBCE, Pattoor with a participation of over 500 students from more than 150 schools.

ARTS CLUB ACTIVITIES

The College provides opportunities for the students to showcase their talents in extracurricular activities. The students displayed their cultural and arts prowess on 29 March 2023.



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Compiled & Designed by Mr.R. Pradeep Kumar (Dept. of HRD)

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NEWS LETTER

JUNE 2023

VOLUME XI ISSUE 25 JUNE 2023

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ANNOUNCING

NEW COURSE

ELECTRONICS & COMPUTER ENGINEERING

ER

*subject to approval



SREE BUDDHA
COLLEGE OF ENGINEERING

PATTOOR P.O, NOORANAD, ALAPPUZHA (Dist.) KERALA 690529

INSTITUTION CODE **SBC**

ADMISSION HELPLINES 94460 14317 94464 72562

RE-ACCREDITED BY NAAC

ACCREDITED BY NBA



Prof. K. Sasikumar
Chairman
Sree Buddha Educational Society

I am extremely happy to note that SBCE has come out with a campus newsletter. I congratulate the staff and students who have put their efforts in bringing out this issue. I hope this newsletter provides all our well-wishers a brief insight into our programs and activities, and my good wishes for continuing it.



Dr. K. Krishnakumar
Principal
Sree Buddha College of Engineering, Pattoor

As a principal of Sree Buddha College of Engineering Pattoor, it is a moment of immense pride for me that we have come out with the 11th edition of our newsletter BODHI. The newsletter opens the leaves of different programs and events conducted by various departments of our college. I deeply value the pain undertaken by the editorial board in shaping this newsletter.

'IC-SPET'23'

AICTE funded International Conference at Sree Buddha.!



Dept. of Civil Engineering, organised AICTE funded International Conference in Sustainable Practices in Engineering & Technology (IC-SPET'23). The conference was inaugurated by Dr. N.P. Rajamane, Professor, Scientist, Founder & Former Head - (a)CACR, SRM IST (b) AML, CSIR-SERC.

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