

NEWS FROM SBCE PATTOOR

NPTEL courses @ SBCE - Recognition by IIT Madras

NPTEL (National Program on Technology Enhanced Learning) is a joint initiative of IITs and IISc. NPTEL has been offering self-study online courses across Engineering, Humanities and Science streams for more than a decade. Since March 2014, NPTEL has started certification programs for its courses. SBCE has been added as one of the local chapters of NPTEL on 10 December 2015, with 16 other Engineering Colleges across Kerala and 441 in India. Total of 840 students from the College have enrolled for 25 courses offered by NPTEL for the March-April course run. In the October Course run, majority of the students registered for the course “Developing Soft Skills and Personality” in addition to the other courses. 221 students from SBCE got certifications from NPTEL in this course run. IIT Madras and NPTEL recognized our efforts by giving an AA certification to the NPTEL Local Chapter of SBCE.



World Environment day Celebrations

World Environment Day is observed every year on 5 June to raise global awareness about positive environmental action to protect nature and the planet Earth. It is run by the United Nations Environment Program. This day is the United Nations' most important day for encouraging worldwide awareness and action for the protection of our environment. The theme for the World Environment Day 2016 is “Zero tolerance for the illegal wildlife trade”. To mark the day, the NSS Unit of Sree Buddha College of Engineering, Pattoor organized an Afforestation Programme in the campus and planted trees in the campus to make it green. The Programme was inaugurated by Principal Dr. S. Suresh Babu and he made the students aware of the importance of planting trees in our surroundings.



Prof. Thomas Mathew, Head of the Dept. of HRM, Prof. Anilkumar A V, Head of Dept. of ME, Mr. Amjith T R, NSS Programme officer and other faculty members, apart from students participated in the program

Smart India Hackathon

In order to work towards the vision of Digital India, Ministry of HRD and All India Council for Technical Education (AICTE) have proposed the Smart India Hackathon 2017, a unique initiative to identify new and disruptive digital technology innovations for solving the challenges faced by our country. This initiative aims at institutionalizing a model for harnessing the creativity and technical expertise of 3.0 + million students for the direct benefit of our nation. Smart India Hackathon 2017 is a computer programming competition which will involve all Engineering colleges with a reach to approximately 30 Lakh students from across India. The objective is to challenge the students to think out-of-the-box and offer innovative ideas to build smart applications which will help in addressing major real-time problems in our country. One team consisting of 6 students from SBCE is participating in the Smart India Hackathon 2017.

National Digital Literacy Mission @ SBCE

National Service Scheme Technical Cell is committed to participate in the mission of National Digital Literacy Program declared by the Honourable Prime Minister, Sri. Narendra Modi, to empower and digitally literate each one of our country. NSS Unit of Sree Buddha College of Engineering Pattoor has been selected for participating in Digital Literacy Program of NSS Technical Cell. It is envisaged that people of all Local- Self Government areas in which each NSS Unit of Technical Cell is situated shall become digitally literate before the International Literacy Day on 8 September 2016. One member from each of the family under the LSG should become digitally literate by attending the exam conducted by the National Digital Literacy Mission. The

termination day of the project was on 5 September, 2016.

Laptop Maintenance and Repair Course – Internship Program

A training program on Laptop Maintenance and Repair was conducted for the 3rd semester B. Tech Computer Science students during July 11 – July 15, 2016 jointly by the Sree Buddha Skill Development Centre (SBSDC) and CSI student branch. Dr. S. Suresh Babu, Principal inaugurated the workshop in the presence of Prof. Anil A. R., HoD, Department of CSE, faculty members and technical staff members. In this 5-day training program, the students were given hands-on training on Assembling, Disassembling, Installation of different system and application software, Networking and Troubleshooting. The sessions were handled by Mr. Vishnu R., System Administrator, Mr. Jayaprakash V. P., Network Administrator, Mr. Unnikrishnan, Mr. Gopakumar and Mr. Sajeev Kumar R, members of the Technical Team.



July 27th, The Remembrance Day Of “Missile Man of India”

Dr. APJ Abdul Kalam, who was known as People's President, left the world on 27 July, 2015 at the age of 83 while addressing students at the Indian Institute of Management (IIM) in Shillong, Meghalaya. The former Indian President and the missile man of the country, is being remembered by people for his teachings and contributions to the society. The demise of Dr. APJ Abdul Kalam, India's 11th President, also known as the 'Missile Man of India', sent ripples

throughout the nation which had great admiration for his supreme conduct and ability to inspire the youth. The NSS unit of SBCE observed the Remembrance Day of Dr. APJ Abdul Kalam in the campus. College Principal, Dr. S Suresh Babu paid floral tribute to Dr. APJ Abdul Kalam. Treasurer Sri K K Sivadasan, Heads of various Departments, Mr. Amjith T R, NSS Programme officer, other faculty members and NSS Volunteers were present. After that a debate competition was conducted among the volunteers on the topic “Sustainable Development and Social Audit”



Pradhan Mantri Kaushal Vikas Yojana (PMKVY)@SBCE

PMKVY is an integrated effort from MHRD (Ministry of Human Resource Development), NSDC (National Skill Development Corporation) and NSQF (National Skill Qualification Framework) to set up skilling of youth as a National policy for Skill Development and Entrepreneurship. Keeping in view, it is decided by MHRD that the AICTE will run the scheme in Technical Institutes. The colleges will have to utilize their existing infrastructure to train unemployed youth following the curriculum offered by NSQF /Sector Skill Council and find suitable placement. For this the council will give financial aid to the institutions as per the guidelines stipulated under the scheme. Under this scheme the colleges will have to offer skilled training for around 250 hrs to a batch of 100 students based on

National Occupational Standards (NOS) in Engineering Skills. Sree Buddha College of Engineering has been registered an online application with AICTE portal, and the National Steering Committee (NSC) in its meeting held on 29 August 2016. As per recommendations of State Steering Committees (SSC) has approved our Institution for the programme. As a part of this Sree Buddha College of Engineering got approval for the following three courses

1. Automotive - Maintenance Technician Mechanical (25 Nos.)
2. Food Processing - Assistant Lab Technician (25 Nos.)
3. Electronics and Hardware - Circuit Imaging Operator (25 Nos.)



Inauguration of Free & Open Source Software Centre (FOSS)

Computer Science & Engineering department organized an invited talk at the Conference Hall, Central library block, Sree Buddha College of Engineering on Free and Open Source Software on the occasion of FOSS Lab Inauguration by Mr. Satish Babu, Founder, Director of the International Centre for Free and Open Source Software (ICFOSS) and the Co-founder and the President of InApp Information Technologies on 02 August 2016. Prof. K. Sasikumar, Chairman, SBES, presided over the function and delivered presidential address. Prof. V. Prasad, Secretary, Sree Buddha Educational Society, Sri. K. K. Sivadasan, Treasurer, SBCE, Dr. S Suresh Babu,

Principal SBCE, Prof. Anil A R, HoD, CS were Present.

“Embracing the Future: Innovation and Disruption”

Computer Science & Engineering department organized a motivational talk as a part of Campus Outreach Programme on 12 August 2016, at conference hall, Central library block. Inaugural session started with prayer. PG student representative of CS&E dept. Ms. Akhila Sreenivas K welcomed all dignitaries, PG and UG scholars and all other invitees. Principal, Dr. S. Suresh Babu gave presidential address for the function. After that, guest Mr. Binu Shankar who is the Assistant Director-innovation of EY at Technopark presented keynote address. Head of Computer Science Department, Prof. Anil A.R who played a major role in conducting the programme was welcomed in his absence. Ms. Bitty S Varghese, M.Tech student representative from CS&E Department proposed vote of thanks to those who accepted invitation. The session for motivational talk on the topic ‘Embracing The Future: Innovation And Disruption’ started. Mr. Binu Shankar inspired and motivated all P.G and U.G scholars with his valuable insights on the chosen topic. The session of one and half hour was utilized by all P.G and U.G students from various departments.



The talk mainly included a presentation on “Technology Advancement and Digital Disruption” and the whole discussion focused on it. In that presentation, Mr.

Binu Shankar give a positive impact about automated or robot-driven future. He also mentioned the negative impacts caused by recent advancements in robotics. He then gave a clear concept of “Digital Disruption”. Digital disruption is already a feature of the business world, presenting great opportunities and grave risks in equal measure.



It seems inevitable that digital innovation will make the future look very different. Despite this, companies today must face up to the fact that “digital disruption” is already a feature of the business world. This concept motivated every P.G And U.G scholar to think positively and face the future changes with a challenging approach.

Swayamsevak Bharat Shreshta Bharat- Independence Day Celebrations

India, our motherland is rich with her cultural heritage and diversity celebrated her 70th Independence on 15 August, 2016. It was the day to remember all her brave sons who had sculpted the spirit of India from the esoteric and epiphanic tradition of Vedic ages and sacrificed their lives for their nation.



The NSS unit observed Independence Day at SBCE. The celebrations were initiated with flag hosting by Dr. E.K. Bhass, Dean of PG Studies and Head of Research Department, at 9.15 am and as a salute to the nation, the National Anthem was recited by the NSS volunteers. As a part of the program, a meeting was also organized and an inspiring Independence Day message was conveyed by Dr.E.K.Bhass followed by Mr. Amjith T.R, NSS Program Officer, who highlighted the need of commitment of each volunteer to our nation's development. The celebrations were made gratifying with sweet distribution. The celebrations of NSS unit would have been meaningless be vague without rendering some service. Hence a cleaning activity was done inside the campus by the volunteers which marked the end of the program.

Workshop on “Research & Innovations”

Sree Buddha College of Engineering organized a one - day workshop on Research & Innovations for the benefit of all Heads of Departments and PG Coordinators on 19 August 2016. Resource Person for the workshop was Mr Shyamkumar, Managing Director, Innovation Experience, Trivandrum.

“Food from sod”

NSS unit of SBCE promotes organic farming

“Looking into the creator of nature, we can learn to navigate life organically with fewer struggles and less suffering”, can be quoted as the simple reason behind worldwide acceptance of organic farming. Organic farming methods combine scientific knowledge and modern technology with traditional farming practices. The Indian government is promoting organic food in the country through the National Project on Organic Farming (NPOF) scheme launched in October 2004 with an initial outlay of

Rs.57 crore “The ultimate goal of farming is not the growing of crops but the cultivation and perfection of human beings”. With this beautiful idea, the NSS unit of Sree Buddha College of Engineering, Pattoor laid a foundation for constructing an organic vegetable garden in the campus on 19 August 2016, intended to motivate the staffs and students to promote organic farming.



The activity was inaugurated by Sri. K K Sivadasan, Treasurer, SBCE, by sowing the seeds in the grow-bag followed by the Principal Dr. S Suresh Babu, Heads of various departments, NSS Programme Officer Mr. Amjith T R, Staffs and NSS Volunteers.

“Thanalekan oru roopa”

Life time charity programme organised by NSS



The National Service Scheme unit of the institution started a life time charity programme named “Thanalekan Oru Roopa” to provide a helping hand for the community who needs assistance to meet their primary needs. The programme aims to collect Rs. 1 every day from each member of Sree Buddha family. For that a money box was erected in front of the reception area where everyone can contribute their share in the box. The

programme was inaugurated by Sr. K K Sivadasan, Treasurer, Sree Buddha College of Engg. Pattoor in presence of Principal Dr. S Suresh Babu. Heads of the Department, Faculty Members, NSS Programme Officer, NSS Volunteers were present.

Workshop on Ideate, Innovate & Build

The Innovation and Entrepreneurship Development Cell (IEDC) of Sree Buddha College of Engineering conducted a program for enlightening the students on Entrepreneurship on 27 August, 2016. The Workshop was handled by Sri S. Shyam Kumar, Managing Director, Innovation experience. Almost 30 students from different departments of the institution participated. The entire session was very much interactive. He motivated the students by showing many videos regarding innovative ideas done by their R&D division. The students were given the right method of approaching ideas and make those ideas into reality. He also suggested various ways for obtaining financial support for developing their ideas. Students also interacted with the guest.



The Journey to “Love Shore” turned Mission “Love – Elders”

The members of NSS unit, SBCE, visited the old age home “Snehatheeram” at Chengannur on 9 September 2016 under the guidance of program officer Mr. Amjith T R. The team reached there at 10 a.m. The officer in charge of the organization welcomed and guided the

students through this Special home where got to see around 69 people from various backgrounds at their culmination point of life who got dumped by their near and dear ones. Everyone of us saw the heart wrenching scenes of sufferings, which were visually dreadful. This day will always be remembered as an example of how to behave with our parents or grandparents. The name of the organization “Snehatheeram” meaning “Love Shore “ symbolizes the abode of love for this poor old aged people who were the victims of forbidden love. They were very happy to see us, as it was evident in their eyes during our interaction and this feeling crept into our mind that they might be seeing their grand son or daughter in us. The interaction session between the NSS volunteers and the old age home inhabitants were well orchestrated by the Program officer. We bid adieu to this Love land with a message deeply engraved in our mind to work actively to create awareness in our society on the importance of love and gratitude towards elders.

Python Workshop

“IAmPower” is an initiative of IIT Bombay (IITB), as part of the annual science and technology festival. Under this initiative, IITB organized workshops in collaboration with ACM-W at ACM Chapters in India with a vision for enabling Indian community to excel in Science, Technology, Engineering and Mathematics. Sree Buddha College of Engineering, Pattoor has an active ACM and ACM-W student chapter with a faculty coordinator and both student as well as staff members. As part of this campaign a hands-on learning session on Python was conducted at the Department of Computer Science & Engineering of the college on 01 October 2016 from 9:30 a.m. onwards. All the first year B.Tech Computer Science and Engineering students attended

the workshop. The session was taken by a tutor named Mr. Tony Tom from Hustler @Refly, Palakkad. He took a wonderful session for the beginners and taught from the basic concepts of Python. The students gained a practical experience as well. The topics covered included basic concepts, printing and swapping numbers, various loops in python, append operations, use of lists, functions, arrays etc. During the session, played some technical videos sent from IIT-B teams for exposing the students to few recent developments in the engineering field. As part of academic curriculum the first year students have Python as one of their subjects and this session helped them learning the language. So this prior effort of workshop would put a sturdy base for the students on learning and gaining practical knowledge in python. The session ended at 4:15 p.m. with a doubt clearing session and students feedback sharing. The students had a positive opinion regarding the workshop and they shared their suggestions with the tutor.



Swacch SBCE Swacch Bharat

“We have to handover the earth, the air, the land and the water to the children at least as it was handed over to us”, keeping this beautiful quote of Gandhiji in mind, the NSS unit of Sree Buddha College of Engineering, Pattoor, celebrated the occasion of the birth of our father of nation. The function started at 10 a.m. with the vibrant NSS song followed by its NSS clap showing the energetic presence of NSS volunteers of SBCE. The Programming Officer, Amjith T.R. offered flowers and prayers to Gandhiji’s image

followed by each NSS volunteer. Then he conveyed the message of Gandhi Jayanti stating the importance of selfless service by reminding Gandhiji’s famous quote, ‘The best way to find yourself is to lose you in service of others’. The celebrations began with the program “Swacch SBCE Swacch Bharat”, which focused the cleaning of our college and surroundings. The torch-bearer of our NSS unit, our programming officer pioneered the program with a spade and that initiated the dynamic working of volunteers. After the cleaning process was over, a group of NSS volunteers got engaged in beautifying the college and nurturing the flower and vegetable garden showing their full dedication and devotion towards the service they rendered.

Seminar on Good Construction Practices

A seminar on ‘Good construction practices’ was conducted by PGIF, Department of Civil Engineering, SBCE on 14 November 2016 at Civil Department seminar hall. Er. T. P. Madhusoodanan, Chief Consultant, Habitat technology group, Trivandrum was the chief guest. Inaugural session started by 10.30 a.m. Dr. E. V. Nampoothiri, U.G Dean delivered welcome speech. Dr. S. Suresh Babu, Principal, SBCE delivered presidential address. Shri K. K. Sivadasan, Treasurer of SBCE and Dr. E. K. Bhass, HoD, Dept. of Civil Engineering also addressed the audience. Er. T. P. Madhusoodanan handled the technical session on ‘Good Construction Practices’. P.G. Scholars and fifth semester U.G students of the department attended the seminar. Er. T. P. Madhusoodanan started the seminar by showing some photographs of structures hit by Tsunami at Srilanka, which were taken by him the very next day of the disaster. Thus, he made the audience understand what all can happen if good construction practices were not followed. He stressed the need for following good and sustainable

construction practices. He gave a humanitarian dimension to engineering problems. Dr. E. K. Bhass, made concluding remarks. Akhil A Nair, P.G. scholar proposed vote of thanks. The program was highly inspiring and informative..



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Faculty Development Program on Total Station Surveying

A one - day faculty development program on 'Advanced surveying using total station' was conducted on 24 July 2016 to train the faculty in Total station surveying. Ritzy R, Assist. Prof., Dept. of civil Engineering was the resource person and trainer of the program. Inaugural session started by 9.00 a.m. Dr. E. V. Nampoothiri, U.G Dean delivered

welcome speech. The target group was faculty and lab staff of civil department. The participants gained practical experience in the key learning areas, including basic key operations, recording data, distance measurement, angle measurement, coordinate measurement, surface area and traversing, data transfer, data interpretation and data plotting using total station.



Seminar on Recent Trends of Nanotechnology

A one - day seminar titled "The Recent Trends of Nanotechnology" was organized by Department of Biotechnology and Biochemical Engineering for the Second and first year M.Tech students on 28 October 2016. Dr. Renu Geetha, Nottingham Trend University, Malaysia Campus conducted the session wherein she gave guidance to students regarding the use of nanoparticles and their application. She gave a brief idea about the opportunities of biotechnological research in India and abroad. Dr. Manoj Narayanan, Assist. Prof. Dept. of BT&BCE proposed the vote of thanks. The entire session was simply fruitful and eye opening.

Internship Program on Computer - Aided Design & Analysis

A 5-day internship on 'Computer - aided design & analysis' in solidworks was organized by Department of Mechanical Engineering from 18 to 22 July, 2016 in association with INFOGRAFIX Technical

Training & Solutions. The Program was inaugurated by Prof. Anilkumar A V, Head of Dept of ME. Mr Arun M, AP, ME was the coordinator of the Internship program and he addressed the first year KTU students and explained the importance of design and analysis software in mechanical field. Ms. Vidya V, AP, ME, Ms. Kaplana Ashokan, AP, ME were present in the inaugural function.



The five days session was handled by Mr. Arun M, AP, ME and was assisted by Mr Biju K C, Lab Instructor, ME CAD Lab. They took wonderful sessions for the beginners and taught from the basic concepts of Design and analysis using Solidworks. The students gained practical experience as well. At the end of fifth day, students submitted their written positive feedback of the program.



B.Tech – KTU 1st Year Internship Program

7-day internship program was conducted by Department of Electrical and Electronics Engineering for first year students from 18 to 26 July, 2016. The various aspects of modern electrical engineering were discussed along with practicals..

IEEE PES Quiz 2016 as Part of IEEE day celebrations



The seventh IEEE day in memory of the first meeting of AIEE held in October 1884, was celebrated at Sree Buddha College of Engineering, Pattoor. As part of IEEE Day celebrations, the IEEE Student branch of Sree Buddha College of Engineering conducted the IEEE Power and Energy Society Kerala Chapter's quiz contest for first year engineering students on 4 October 2016.

Workshop in C Programming and Data Structures

A one - day Workshop on C Programming and Data Structures was organized by Computer Society of India Student Branch of Sree Buddha College of Engineering on 17 October, 2016 for the S3 B. Tech Computer Science and Engineering students. The sessions were led by Prof. Suresh Kumar N., Associate Professor, Department of CSE, College of Engineering and Management, Punnappra, Alappuzha. The workshop was organized as two sessions. The morning session focused more on basics of C programming and the afternoon session focused on Data Structures. The session was attended by 47 students and the classes were very informative for them.



Technical Workshop on FOSS Digital Library

Computer Science & Engineering department organized a Technical workshop on free and open source software (FOSS) lab in association with Post Graduate Interdisciplinary Forum on 17 October 2016, at conference hall, Library Block. Inaugural session started with prayer. Dr. S. Suresh Babu, Principal Sree Buddha College of Engineering, HoDs from all departments, P.G. coordinators of various departments, Faculties and Final year P.G. scholars attended the program. Dr. E.K. Bhass, P.G. Dean, gave an introduction on the free and open source software lab. He explained the various benefits of Foss lab compared to the traditional softwares available today. He also mentioned that Foss gives us the freedom to run a program, for any purpose, the freedom to study how a program works and adapt it to a person's needs. Dr. S. Suresh Babu, Principal, A practical session on the FOSS was arranged in the Digital library. The session started at 1:15p.m. Ms. Soumya Murali, Assist. Prof. Dept. of Computer Science and Engineering gave an introductory session of FOSS. She explained that Free and Open-Source Software (FOSS) is computer software that can be classified as both free software open-source software. That is, anyone is freely licensed to use, copy, study, and change the software in any way, and the source code is openly shared so that people are encouraged to voluntarily improve the design of the software. This is in contrast to proprietary software, where the software is under restrictive copyright and the source code is usually hidden from the users. Mr. Jayaprakash, Hardware and network engineer, SBCE gave a practical session on Open source software tools. For the practical session all the systems in digital library was installed with Ubuntu. He gave

a small tutorial on how to use Ubuntu. He taught how to install open source software in Ubuntu. Ms. Disha. Librarian SBCE gave awareness on e-resources. She explained how to utilize the various facilities provided by the digital library. She taught how to get proper access to sites like IEEE, ASME, SPRINGER, and ACM. The benefits of using FOSS include decreasing software costs, increasing security and stability (especially in regard to malware), protecting privacy, and giving users more control over their own hardware. Free, open-source operating systems, such as Linux and descendants of BSD are widely utilized today, powering millions of servers, desktops, smartphones (e.g. Android), and other devices.



A 3-Day, National Level Workshop on “Emerging trends in Special Electrical Machines”



A, 3-day national level workshop on “Emerging trends in Special Electrical Machines” was conducted by the Dept. of Electrical & Electronics Engineering of Sree Buddha College of Engineering (SBCE), Pattoor on 23-25 November 2016

in the college campus for the Post Graduate students and faculties of the Dept. of Electrical & Electronics Engineering (EEE) of SBCE as well as other colleges in Kerala. The inaugural ceremony was performed on 23 November 2016 by the chief guest of the day - Dr. Mini, Associate Professor, College of Engineering Trivandrum (CET), in the presence of Dr. Suresh Babu, Principal, SBCE, Mr. K. K. Sivadasan, Treasurer, SBCE, Dr. Benny Thomas, HoD, Dept. of EEE, SBCE, Dr. Bhass, P.G. dean and Dr. Mithun M. S., Associate Professor, Dept. of EEE Workshop Coordinator, by lighting the lamp.

“PUNARJANI” at Govt. Hospital, Mavelikkara



Punarjani is a Govt. of Kerala funded project designed by National Service Scheme, Technical Cell, Kerala under DTE. Punarjani project *aims* at improving the basic infrastructure of Government hospitals in the States.



NSS unit of Sree Buddha College of Engineering got selected for the project. 87 NSS volunteers attended the Punarjani camp under the guidance of camp director Mr. Amjith T R and program officer Mr. Vishnu V S from 24 to 30 December 2016.



The project was done at District Hospital, Mavelikkara and assets worth 36 lakh rupees were recreated. The project was inaugurated by Sri. R Rajesh MLA in presence of Principal Dr. S Suresh Babu and Medical Superintendent Dr. Shahana K Muhammed. Kayamkulam MLA Ms. Prathibha Hari, Mavelikara Block Panchayath President Sri. K Reghuprasad, District Panchayth President Sri. Jacob Oommen, College chairman Prof. S Sasikumar, Treasurer Sri. K K Sivadasan etc were the distinguished guests who visited the camp.



Mavelikkara MP, Sri. Kodikkunnil Suresh handed over the renovated furniture to Medical Superintendent at the end of the camp and praised the NSS unit of SBCE for their excellent work which contributed to the betterment of the District Hospital.



Publications & Achievements

Achievements

1. A team of 4 students from S6 Computer Science has qualified for the Second Round of EngiNx 2016 - An Engineering Innovation contest from TCS - Engineering and Industrial Services Business Unit (EIS). The team members are Sojan K. Reji, Subash Bose K. S., Praveen Koshy, Jaike Mathew Thomas (S6 CS)
2. Dr. Malu Ravi and Ms. Sheigha Pappachan received KSCSTE fund for the project proposal "Conversion of egg fruit to nutritional drink and study of its neuroprotective and antimitotic properties"
3. Mr. Vaisakh P S, AP, ME, Mr. Akhil S Nair, S8 ME, Mr. Amith M Nair, S8 ME, Mr. Aswin K Johnson, S8 ME and Mr. Gokul S Kumar, S8 ME received KSCSTE fund for the project proposal "Jackfruit dressing machine"
4. Mr. Anish R AP, ME, Mr. Sharath Pillai, S8 ME, Mr. Sreyas U Nair, S8 ME, Mr. Vishnudev M, S8 ME and Mr. Yedu K Rajan, S8 ME received KSCSTE fund for the project proposal "Experimental and Numerical Analysis of"
5. Heat Transfer and Pressure Drop On Typical Continuous Perforated V-Cut And U-Cut Twisted Tapes In a Typical Heat Exchanger"
6. Ms. Aryalekhami, Assist. Prof, Dept. of ECE is nominated for "Makers's Workshop" during 5-7 October 2016 organized by the

7. IEDC Cell of the APJ Abdul Kalam Technological University.
8. Ms. Simi S Ebenezer of S7 BT & BCE got selected by the Campus recruitment Drive conducted by Zifo Technologies on 26th October 2016.

Publications

1. Mr. Anil A R (2016). "A survey on Implementation of Vedic Mathematics Sutras in Information Technology", First International Conference on Vedic Mathematics, December 20-30, 2016 Kolkata, ICCR Sponsored.
2. Anju, C.S, Dr. Manoj Narayanan and Dr. Giridhar R Nair (2016). Greener synthesis of iron nanoparticles using extract of *Simarouba glauca* (Lekshmi tharu) and its application as a biosorbent for removal of cholesterol from food, International conference on Agricultural Sciences and Food Technologies for Sustainable Productivity and Nutritional Security held at University of Agricultural Sciences, Bangalore during 25 -27 August.
3. Dr. J. R Anoop Raj. and L. Muruganandam (2016). Microbial growth and degradation kinetics of perchlorate by *Proteus* sp. LMNCRE in a batch reactor system, International Journal of Environment and Sustainable Development, 15 (3), pp 254-263.
4. Ms. Anjali M, Ms. Arya S, Aswathy P, Ms. Meekha Annu J and Dr. J. R Anoop Raj, AP, BT&BCE , (2016), Value added products from Banana bud-production of natural dye and antioxidants, *TECHNOSCAPE*, 20 - 21 October, VIT University, Vellore, Tamilnadu, India.

Faculty Development Programs and Workshops

1. Ms. Vidya V, AP, ME, Mr. Anish R, AP, ME, Ms. Kalpana Ashokan, AP, ME, Dr. Malu Ravi, AP, BT&BCE and Dr. J. R Anoop Raj, AP, BT&BCE,

2. attended a short term FDP conducted by *ICT Academy of Kerala*, 13 June – 15 June, Sree Buddha College of Engineering, Pattoor.
3. Dr. Malu Ravi, AP, BT&BCE, Ms. Shamnamol G K, AP, BT&BCE and Ms. Lekshmi R Babu, AP, BT attended an online course “Use of ICT in Education for Online and Blended Learning” conducted by IIT Bombay from May 2– July 10, 2016.
4. Ms. Vidya V, AP, ME, Mr. Gokul O, AP, ME, Vaisakh P S, AP, ME, Mr. Venugopal N, AP, ME and Mr. Kiran Sankar M S, AP, ME attended an online course “Use of ICT in Education for Online and Blended Learning” conducted by IIT Bombay from May 2 – July 10, 2016.
5. Dr. Manoj Narayanan, AP, BT&BCE attended one week training on “Life skills” at Younus College of Engineering and Technology, Kollam, during 18 – 22 July, 2016.
6. Mr. Anish R, AP, ME, Ms. Vidya V, AP, ME, Mr. Arun M, AP, ME and Ms Kalpana Ahokan, AP, ME attended TEQIP Phase II Sponsored Faculty Development Programme on “Innovative materials for Thermal Energy Storage” at College of Engineering, Adoor from 19- 23 December, 2016.
7. Invited talk by Dr. Manoj Narayanan, AP, BT&BCE on “Creating the memory creators- Biotechnological perspective on vaccines” in a National Seminar at Government Arts and Science College, Kozhinjaipara, Palakkad, 18 November, 2016.
8. Ms. Lekshmi R Babu, AP, BT&BCE attended two-day national workshop on outcome based accreditation “New NBA 2015 format tier II for undergraduate engineering programme” 12-13 May 2016, Vidya academy of science & technology, Thrissur.
9. Dr. Manoj Narayanan, AP, BT&BCE attended ICTAK International Conclave “Skills, Engineering and Technology (ICSET 2016)” June 24 & 25, 2016, at Technopark, Thuvananthapuram.
10. Ms. Reema N, AP, EEE and Mr. Sreekanth P.K, AP, EEE attended three-day faculty development programme on “Distribution Generation and Power Quality” at Govt. Engineering College, Kannur from 19 – 21, December 16.
11. Ms. Sindhu V, AP, EEE and Ms. Abhilasha Parthan AP, EEE attended five- day faculty development programme on “Recent Advances in Power Electronics and Application” at College of Engineering, Adoor from 19 – 23 December 16

NEWS FROM SBCE ELAVUMTHITTA

Inauguration of Free & Open Source Software Centre (FOSS)



The Department of Computer Science & Engineering organised an invited talk at Sree Buddha College of Engineering, Elavumthitta on 'Free and Open Source Software' on the occasion of FOSS Lab Inauguration by Dr. Jubilant J Kizhakkethottam, Principal, Musaliar College of Engg. & Technology, Pathanamthitta, on 06 August 2016. In his inaugural speech Dr. Jubilant talked about the relevance of Free and Open Source Software in today's world. Dr. Somi Sebastian, Principal, Sree Buddha College of Engineering, Elavumthitta, in his Presidential Address highlighted the advantages of learning FOSS, like Scilab, Libre Office, and Linux.



"Spoken Tutorial" Provides an opportunity to listen to the Video Tutorials Developed by Domain Experts at IIT Bombay, which is a value addition to the students, apart from listening to the regular conventional way of teaching by the faculty of the institute. Mr. Sankaran Nampoothiri K, Faculty Coordinator

of the college told the audience that the College has mapped FOSS videos to the respective subjects in each semester. Thus majority of Open software Technologies has become part and parcel of the academic curriculum in Sree Buddha College of Engineering, Elavumthitta. This implementation will help the students to achieve good IT Skills along with a professional degree.

Workshop On "C & C++"



A workshop on "C & C++" was jointly organised by the CSI Kochi Chapter and Sree Buddha College of Engineering, Pathanamthitta from 4 July to 16 July 2016. The workshop was inaugurated by Prof. Anil A.R, HoD, Dept of CSE, SBCE, Pattoor.. The workshop covered all the fundamentals of C and C++ programming with practical sessions. Subject experts from various institutions handled various classes. On the last day of the workshop, a written test was conducted for the participants to assess their learning capability in the programming filed.

SPIC MACAY



On 10 November 2016, the SPIC MACAY Chapter of SBCE, Elavumthitta conducted a Kathak demonstration by eminent dancer

Madhusmita Mohanty. A dancer known for supple and graceful body movements, Madhusmitha's expressions and footwork synchronized to create an aesthetically gratifying experience.

Blood Donation



The NSS and SFU unit members successfully organized a volunteer blood donation camp on 28 September 2016 at SBCE, Elavumthitta. A large number of students and faculty members contributed to this social service. 50 members donated blood. Along with the blood donation camp an awareness class was also organized for the registered members inside the campus.

Social Service at Santhwanam



Santhwanam is an International Trust for Charity and Education, which is situated near Padinjarekurishu, Mathur (Omaloor), Pathanamthitta. Currently about 20 old aged mothers live there. The students of Sree Buddha College of Engineering, Elavumthitta visited the institution and spent time with the inmates. Students entertained them with various activities such as singing songs as per their wish, played old school games with them and listened to their stories about their life. The students donated Rs.5000/- and also gave clothes to the inmates.

Social Service at St. Benedict's M.S.C.H.S



St. Benedict's M.S.C High School is situated at Thannithode, Konni, Pathanamthitta. The Civil Engineering students of Sree Buddha College of Engineering, Elavumthitta, visited St. Benedict's M.S.C High School on 26 July 2016 and spent time cleaning the school compound by plucking grass, sweeping and depositing plastic waste at proper place.

Workshop Conducted

- Department of Civil Engineering conducted a workshop on Sustainable Engineering on 30 of August 2016. The program was initiated under the leadership of Dr. Gouri Antherjanam, Head of the Dept. The event comprised of two sessions: first 'an invited talk by guest speaker, Dr. Shibu Krishna, Asst. Prof., Department of Civil Engineering, CET Trivandrum. The title of the talk was "Introduction to Sustainable Engg.". Dr. Shibu Krishna opened his talk by questioning and describing "What is sustainable Engg.?" and second session was on group discussion.

Exhibition Conducted

- The Department of Civil Engineering conducted a project Exhibition on 10 and 11 November, 2016, at the Citadel Residential School, Pathanamthitta. The exhibition gave an opportunity to the students to display their creativity. It was a splendid occasion for showcasing various models, like a miniature of Idukki Dam, Railway Interchange (working model), and underground tunnel (working model).

Paper Published

- Ms. Anju J Prakash, Dr. A Ferdinand Christopher, "A study on different pre-processing techniques for foggy or hazy image filtration", International journal of control theory and applications (scopus indexed), 9(31) 2016, pp 26-32.

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