SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

EXPERT LECTURE

An expert lecture on Image Processing and Video Compression was organized by the Computer Society of India Student Branch of Sree Buddha College of Engineering for the PG students on August 30, 2014 by Mr. Ragesh N. K., Associate Technology Architect, NeST, Technopark, Trivandrum. The lecture was well attended by 36 students and was very informative for them.





Dr. S. SURESH BABU

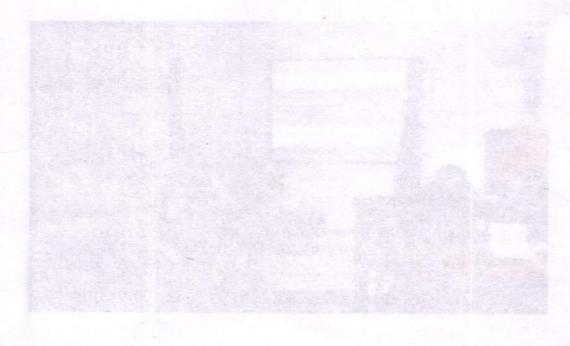
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SREE BUDDING OULECTION ENGINEERING PATTOOR DEFARTMENT OF COMPUTER SCIUNCE AND ENGINEERING EXPERTLECTURE

An expert because on large Processing and Video Compression was departed by the Computer Security of India Studiest Branch of Sive Buddha College of Engineering for the Postudents on August 10, 2014 by Mr. Process M. K., As occare between Authoritiest, MeST, Lechnopout, Architect, MeST, Material College, Architect, MeST, Lechnopout, Architect, MeST, Material College, MeST, Mestaland, Mest





P.G. INTERDISCIPLINARY FORUM SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., ALAPPUZHA, KERALA: 690 529



PROGRAMME REPORT

A Post Graduate Interdisciplinary Forum program was held on Wednesday ,December 31, 2014. The program was organized by M.Tech CIM students at seminar hall, Central library and well guided by faculty members of Mechanical department, PG Dean, Head of the Department(ME), PG coordinators welcomed the Chief guest on arrival to the Principal's room for a short discussion. After that the PG Dean invited the Chief Guest to the venue. Following the prayer song, a formal inauguration by Chief Guest started off the programme by 10 AM . The PGIF representative of M.Tech CIM delivered the welcome speech and was followed by an introductory talk by Dr. E.K bhass, Dean and Head of Civil Engineering Department.

The audience gathered back after the interval and at 10.45 AM Chief Guest Dr.Sekhar Lukose Kuriakose, Member, State Disaster management Authority, Trivandrum. delivered a talk on Disaster Management in Kerala. His enviable and unique style of presenting kept the audience active, the mood was joyous one and everyone had a wonderful time during the interactive session.

He gave a detailed introduction about the structure and functions of Kerala State Disaster Management Authority. Kerala State Disaster Management Authority was formed in 2007 as stipulated in the National Disaster Management Act, 2005. It is a ten member, non-autonomous, statutory body with the Chief Minister as the Chairperson and the Minister for Revenue and Disaster Management as the Vice Chairperson. The administrative matters of the authority is dealt by the five member State Executive Committee chaired by the Chief Secretary. District Disaster Management Authorities have also been formed as stipulated in the Act with District Collector as the Chairperson and District Panchayath President as the Co-Chairperson.

The Kerala State Disaster Management Policy underscores an integrated approach to disaster management covering all phases of managing disasters such as,

Pre Disaster phase - prevention, mitigation and preparedness.

Disaster response phase / during disaster.

Post Disaster phase - recovery (rehabilitation and reconstruction).

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The state government's disaster management policy would lay emphasis on pre-disaster activities such as prevention, mitigation and preparedness rather than on post - disaster response.

PG representive delivered the vote of thanks and the guest was honoured by handing over a momento by PG Dean.. The programme came to an end by 2.15 P.M and lunch was arranged for the Guest and other members.

SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ONE DAY SEMINAR

The Computer Society of India Student Branch organized a One Day Seminar on Technical Paper Writing for the PG students of the Computer Science Department on January 13, 2015 by Prof. Suresh Kumar N., Associate Professor, Dept. of Computer Science, College of Engineering and Management, Punnapra. The seminar was well attended by 36 students and was very informative for them.





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WORKSHOP ON NETWORKING

A one day Workshop on Networking was organized by the Computer Society of India Student Branch of Sree Buddha College of Engineering in association with Logic Solutions on the 19th of August 2014. The Workshop was handled by resource persons Mr. Navin and Mr. Soji of Logic Solutions. The first session was handled by Mr. Navin, who explained about the topics, Uses of networks, Ports, Cables, Protocols – Connection oriented and Connectionless, ISO/OSI Reference Models, Hubs, Switches and Bridges, getmac, hostname, whoami, IP address settings and changing IP address, ping, remote shutdown, message passing and data sharing. The participants were also given a demonstration on setting up of a network between two systems by making use of a wired connection. The second session was handled by Mr. Soji who explained about routers and their uses. He demonstrated the setting up of a router and its configuration. The workshop was well attended by 63 students doing their B-tech in Computer Science and Engineering.





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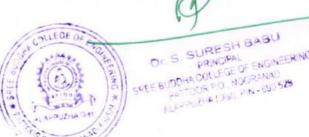
Report of ACM DSP

On

"How to Do Research Publish & Perish"

The ACM Student Chapter of Sree Buddha College of Engineering conducted an ACM Distinguished Speaker Programme on the topic "How to Do Research Publish & Perish" by **Dr. Lakshmi Narasimhan** on 16 January 2015. The Programme was conducted in association with the CSI Student Branch and PGIF of SBCE. Dr. Lakshmi Narasimhan is a professor at the Computer Science Department at East Carolina University, USA. He has over 300 publications to his credit and has won over \$8 million in research funding. He is also the Vice President at to Srikar & Assocaites International Pty Ltd. The session was started at 10 a.m. at the Conference Hall, Library Block. His session included various topics like Types of research, Individual Vs collaborative research, Hamming's recommendations, socio-technical models and techniques, Emotional intelligence etc. Later on he made an interactive session with the PG scholars of the college and reviewed the project on "Seventh Sense Technology" by Mr. Siddharth Rajeev of M.Tech CSE.





"Have to the Personal Publish & Period"

The AC W Student Chapter of Sees Holding College of sagar conditions of Persh" by Distinguished Speaker Propresents on the topic "How to Do Research Publish & Persh" by Dr. Lakshmi Narrasturian on to tensory COLS. The Propresents was conducted in assistantian with the CSI Student United Table of Select. The England Mansimban is a professional the Company Science Dependent at East Capture Indicating USA. He has over 300 publications to the credit and line was over 58 million or assemble for the including He is also the Vice President at the Select Associates Informational Pty Let. The session was indicated at 10 a ment the Conference Held Conference Held of Select President and Select Indicative (excepted Professional Indications) and referenced matrix and selectional matrix and selectional matrix of the college and reviewed the properties on Second materiative session with the PU scholars of the college and reviewed the project on Second materiative session with the PU scholars of the college and reviewed the project on Second materiative session with the PU scholars of the college and reviewed the project on Second









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NATIONAL WORKSHOP ON "GREEN RETROFITTING TOWARDS CLIMATE CHANGE AND DISASTER RISK REDUCTION"

A one day national workshop on "Green Retrofitting towards climate change and disaster risk reduction" was conducted by CASTELLOS on 24th January 2015 at SBCE. Seminars were taken by Dr. Kesav Mohan, Director, Institute of Land and Disaster Management (ILDM), Mr. Amal Raj, Assistant Professor at ILDM and Mr. Vinod from Habitat Group. The seminars were based on Climate change, Disaster risk reduction and Green Retrofitting. The students became aware about the environmental problems that we are facing nowadays and possible solutions for these problems

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ACTIVITY REPORT

NATIONAL WORKSHOP ON "GREEN RETROFITTING TOW ARDS CLIMATE CHANCE AND DISASTER RISK REDUCTION."

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university and by Mr. Sumesh Isaac, Innovator and Entrepreneur (Alumni of Kerala Agricultural university)

College level prelims of the" Suchitwa Keralam Quiz 2016" were conducted by Department of Civil Engineering on Jan 14, 2016. This competition was conducted to spread the messages of "Suchitwa" among the students and to short list the participants for the state level quiz competition organized by Suchitwa Mission (Govt. of Kerala).





WORKSHOP ON 'INTRODUCTION TO STRUCTURAL **ENGINEERING'**

Department of Civil Engineering, in association with Industry Consultancy Cell conducted practical workshop on 'Introduction to Structural Engineering' for Final year Civil engineering students of two different colleges. The workshop was conducted for students of College of Engineering, Pathanapuram on 02 March 2016 and for students of College of Engineering, Kidangur on 16,17 March 2016. The workshop includes lecture and demonstration of nondestructive tests on concrete, behaviour of buildings on dynamics loads and the load deflection characteristics of different types of beams. The demonstrations of experiments were performed at P.G Structural Lab and Concrete Lab, Civil Block. Prof. Anup Joy and Prof. Ritzy. R of Civil Department was the main coordinators of the programme. Students expressed positive feedback

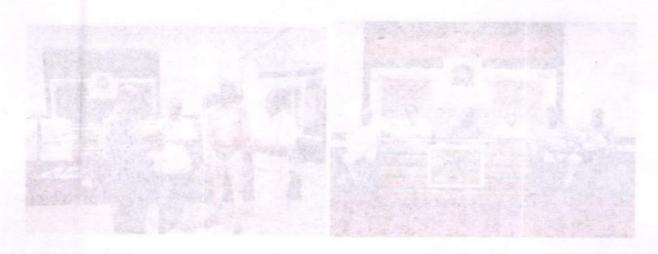
and their willingness to attend future programmes like this.

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College level prefilms of the" Suchitiva Keraima Quiz 2016" voire conducted by Department of Civil Facince are on Jed 14, 2016. This competition was conducted as extend the mass opens of Suchawa" among the students and to short his the participants for the state feed quiz competition organized by Suchitiva Mission (Govt of Kerala).



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SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

EXTENSION ACTIVITIES

The Computer Society of India Student Branch organized a series of extension activities for the Class XII students of Sree Buddha Central School, Pattoor in January, 2015. These activities included sessions by Ms. Neenu Wilson, Ms. Minu Lalitha Madhavu and Mr. Gopu Darsan on Mobile Technology, Internet and GPS respectively.





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IAS STUDENTS BRANCH CHAPTER SREE BUDDHA COLLEGE OF ENGINEERING (IAS SBC SBCE)

As a part of IEEE, a student branch chapter named "IAS STUDENTS BRANCH CHAPTER SREE BUDDHA COLLEGE OF ENGINEERING (IAS SBC SBCE)" was inaugrated in our college on 18th febuary 2015 with a strength of 17 PG students and 9 faculty members. Dr. Tomysebastian (President, IEEE Industrial Application Society, Director of Motor Drive Systems, Halla mechatronics) inaugrated the chapter. Mr.SrikanthVasudevanpillai (IEEE IAS Chapter and Membership Development Vice-Chair, Area Chair, Student branch chapter IAS Chapter and Membership Development Vice-Chair, Area Chair, Student branch chapter. Prof. C. Asokan, Head of the department, EEE, Region 10,Asia West) feliciated the event. Prof. C. Asokan, Head of the department, SBCE precided over the gathering. From the student members, office bearers were elected - Mr. SBCE precided over the gathering. From the student members, office bearers as Secretary and Mr. VijaiJayraj as Student Chapter Chair, Ms. Sumi Elizabeth Varghese as Secretary and Mr. VijaiJayraj as Student Chapter Chair, Ms. Sumi Elizabeth Varghese as Secretary and SbibinThankchan as Treasurer. The Chapter was officially approved on 12thMay 2015.Mrs. Vijina K is the staff co-ordinator of the chapter.



Mrs.Vijina K, the staff co-ordinator of EEE with Dr.Tomysebastian (President, IEEE Industrial Application Society and Mr.SrikanthVasudevanpillai (IEEE-IAS Chapter and Membership Development Vice-Chair, Area Chair, Student branch chapter, Region 10, Asia West)

Dr. S. SURESH BABU

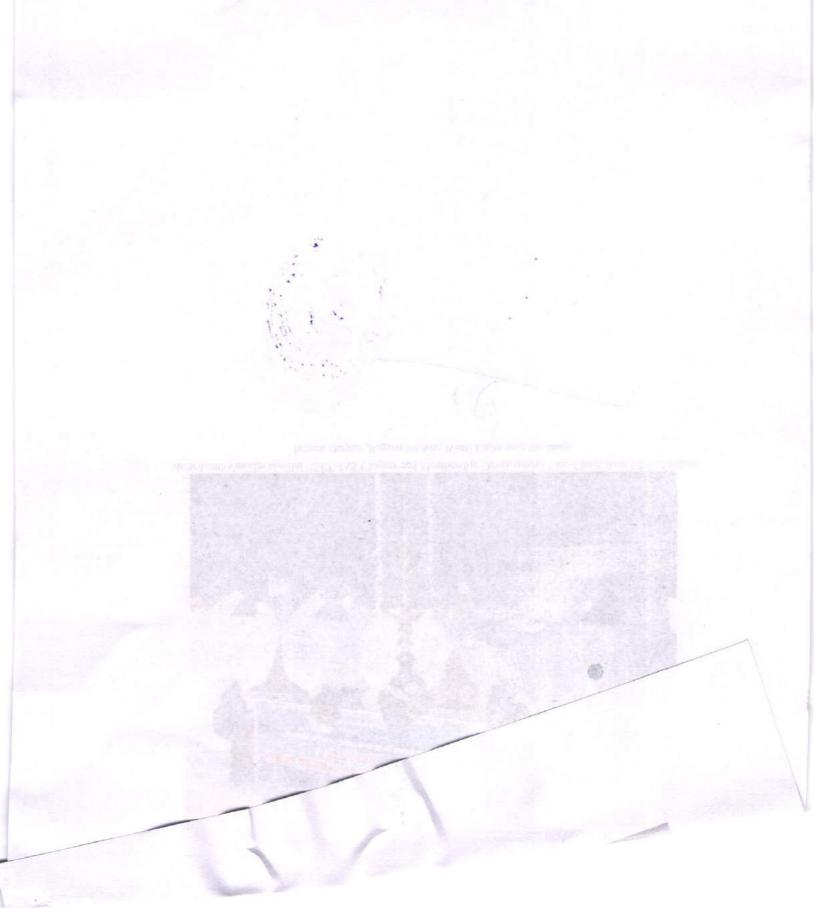
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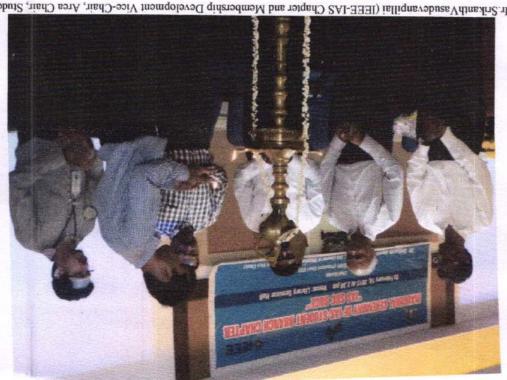
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Mr. Srikanth Vasudevanpillai (IEEE-IAS Chapter and Membership Development Vice-Chair, Area Chair, Student branch chapter, Region 10, Asia West) Lightening the lamp.



REPORT ON

DIGITAL INDIA WEEK CELEBRATION

The Digital India Week was celebrated by the Computer Society of India Student Branch of Sree Buddha College of Engg. on 10th July, 2015 at the Conference Hall. The session started with an Introduction on Digital India Week by Ms. Lakshmi S., Student Branch Coordinator of CSI Student Branch. A video presentation on the vision of Prime Minister Shri. Narendra Modi on Digital India was included next. Then it continued with presentations on Latest Technologies like Internet of Things (IoT), Augmented Reality, Google Driverless Cars etc was also included in the session. The session was handled by Mr. Shankar S. and Mr. Arjunlal, P. G. Scholars of Department of CSE. The session was attended by 200 students and the presentations were very informative for them.

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PGIF PROGRAM ON MOTIVATION AND GUIDANCE FOR RESEARCH

On 13th July 2015 M Tech students of Electrical and Electronics of Sree Buddha College of Engineering organized a talk on "Motivation and Guidance for Research" under Post Graduation Interdisciplinary Forum (PGIF). Dr. Achuth Shankar. S. Nair was the speaker of the talk. He is Head of the department, department of computational biology and bioinformatics, University of Kerala. The programme was organised at Electrical seminar hall. The programme started by 10 am with a prayer song of PG students followed by Principal Address. He greeted and welcomed the guest to the college then he talked about research approaches of students 10Wards their Thesis. Later on. HOD Prof. Arumugasamy of EEE Department addressed the Dias by greeting the dignitaries on the Dias all the HOD's, staffs and students. He also shared his views on Research and importance of organising such talks. Then Guest of honour Dr. Achuth views on Research and importance of organising such talks. Then Guest of honour Dr. Achuth Shankar was felicitated by Principal. Finally questions were collected and was answered by the Guest. After question answering session, the guest was honoured with a memento by HOD, EEE Guest. After question answering session, the guest was honoured with National anthem.



The chief guest Dr. Achuth Shankar. S. Nair inaugurating the programme

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Tha audience during a talk on "Motivation and Guidance for Research" under Post Graduation Interdisciplinary Forum (PGIF).



Dr. AcuthSankar S Nair's talk on "Motivation and Guidance for Research" under Post Graduation Interdisciplinary Forum (PGIF).

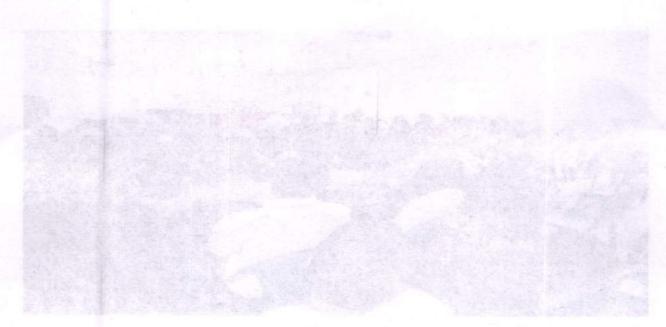


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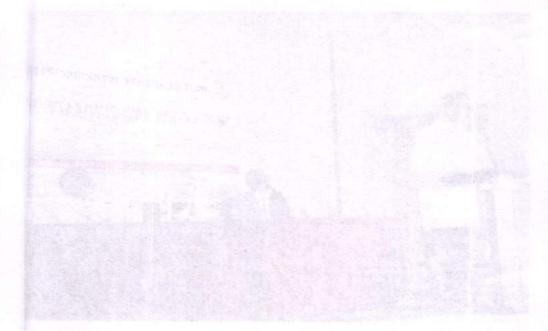
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Extension activity at High School Edappon

Department Of Computer Science Engineering, S.B.C.E.

20 July 2015

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| | 1.1 | Inaugural Ceremony | 1 |
| | 1.2 | The presentation | 2 |
| | 1.3 | Conclusion | 2 |

1 CSI EXTENSION ACTIVITY

The CSI extension activity was held at High School Edappon on 20 July 2015. An overview about internet and the latest technologies were given to the students. A presentation on the topic "Latest Technologies" were given to all the students present at the school.

1.1 Inaugural Ceremony

The function was steered by the school PTA president with an inaugural ceremony. The dignitaries present were Mrs. Raji Suresh[H.M. incharge ,HS Edappon], School PTA President, a faculty representing the CSE Dept., Mr. Gopu Darshan[Assistant professors, Department of CSE, S.B.C.E] and the CSI Student Branch Representative, Ms. Lakshmi S[Assistant professors, Department of CSE, S.B.C.E]. During the inauguration speech Ms. Lakshmi gave an introduction and an abstract overview about the program. The inauguration ceremony was concluded with the thank you note from Mrs. Raji Suresh. Resource persons were Mr. Arjunlal and Shankar S.[P.G. scholars, Dept. of CSE, SBCE].

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Extension activity at High School Edapper

Department Of Computer Science Engine eding, S.E.C.E.
20 July 2017

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1.2 The presentation

The presentation included video slides and animation to brief the student about internet and latest technology. The presentation had three sessions. The first session started with a student interaction which enabled them to express their individual knowledge about the current technology. Based on the interaction the session was continued with the basics of internet technology with real world examples. This was followed with the advancement of technologies over years. In the last session was a questionnaire session where resource persons interacted with the students and clarified their doubts.

1.3 Conclusion

The program was a success it was able to educate and motivate the students. The program was concluded with an acknowledgment from Ms. Raji Suresh, she thanked the C.S.E. Dept.of S.B.C.E. and C.S.I for conducting the program to share the knowledge with the upcoming generation.

Dr. S. SURESH BABU

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WORKSHOP ON

PC ASSEMBLING AND OS INSTALLATION

A half day workshop was organized by Computer Society of India Student branch of Sree Buddha College of Engg. in co-ordination with CYBORG (Association of Computer Science Engg. Dept.) on 30th July, 2015 for the S3 CSE students on the topic PC assembling and OS installation. The classes were divided into two simultaneous sessions. The sessions began at 1.30 pm. The CSE S7 students led the hardware session (PC assembling) which was held at Internet Lab. The students were provided with the information regarding each component of the CPU. They were also given an opportunity to assemble and de-assemble the CPU components. The hardware session was guided by Prof. Lakshmi S and Prof. Adarsh S. of CSE department.

The software session was led by Shankar S. and Arjunlal of S3, M.Tech (CSE). The students were given instructions about how to install an OS. Here we followed UNIX and Windows 7 OS installation. Prof.Gopu Darsan of CSE department guided the session.

The session was attended by 60 students and the classes were very informative for them. The sessions ended 4.20 pm.

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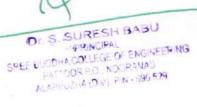
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TECHNICAL TALK ON "CLIMATE CHANGE AND WATER RESOURCES MANAGEMENT"

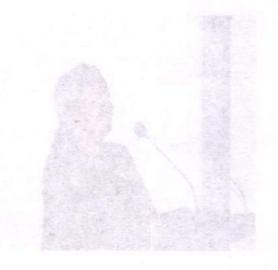
A Technical Talk on 'climate change and water resources management' was conducted under the Civil Engineering Association, CASTELLOS of Sree Buddha College of Engineering, Pattoor on 7th October 2015. The welcoming address was given by Ms. Cinaya Tony, Staff Coordinator of CASTELLOS. Presidential address was delivered by Dr. E K Bhass, HoD, Department of Civil Engineering. Dr. S Suresh Babu delivered Principal's address. Chief Guest of the day Prof. D Thankamani presented an inspiring talk on "Climate change and water resources management". The talk was mainly organized as a part of the subject 'Environmental Engineering' exclusively for 5th, 7th and M.tech students.



ACTIVITY REPORT Page 2

TECHNICAL TALIS ON TOLINATE CHANGE AND WATER RESOURCES MANAGEMENT

A Technical Tally on eliminary things and ware to survey many and an enterprism of the conducted under the Civil Engineering Association, C. S. F. Ell E.C.S. of the Buddlin College of Engineering Patron on The October 2015. This welcoming address was cover by Mrs. Character Loope Staff Constantial of CASTEELOS. Presidential entiress was delivered by Dr. F. S. Shaes, Hoth Department of Civil Engineering, Dr. S. Shaesh Babu delivered Principal's address. Chart Crust of the day Broff D Thankenam play center's in inspiring talk on "Chinane change and water assureds management". Thankenam play center's at inspiring talk on the Management. The talk was numity organized as a cost of the subject Thin informed of Engineering exclusively. For Sh. T. and M. tarti surjents.





ONE DAY WORKSHOP REPORTON RENEWABLE INTEGRATION TO KERALA GRID

One day workshop on "Renewable Integration to Kerala grid" was organized by the Electrical & Electronics department association DELTA of Sree Buddha College of Engineering, Pattoor at the electrical department seminar hall on 15th October 2015. Prof. S Arumugasamy, the head of the department of EEE has welcomed the gathering. Dr. S Suresh Babu, Principal, Sree Buddha College of Engineering has delivered presidential address. PG dean Dr. EK Bhass had also shared the Dias. The workshop was inaugurated and conducted by Dr. Sasidharan Sreedharan, Post - Doctoral Researcher, Renewable Energy Design Laboratory, University of Hawaii, Manoa, USA. A brief description of electrical power generation and integration of renewable energy globally, nationally and state wise was presented. The challenges of electrical power generation using renewable energy were discussed and further an interactive session with PG students was arranged. The function was attended by staff coordinator of the EEE dept., Prof. Vishnu J and along with the student co-coordinator Mr. Bibin Thankachan and other staff and students of the dept.



Dr. SasidharanSreedharan talk on "Renewable Integration to Kerala grid" was organized by the Electrical & Electronics department association DELTA of Sree Buddha College of Engineering,



WORKSHOP IN PYTHON

A two day Workshop in Python was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. on 14-15 November, 2015 for the CSI Members. The sessions were led by Mr. Arunanand T. A., Software Engineer, Oracle India Pvt. Ltd. and Mr. Suresh K., Software Engineer, Zynga Games. The workshop was conducted based on a pre-workshop survey where in the participants were asked to answer certain questions regarding their expectations from the workshop and their programming abilities.

The session was attended by 58 students and the classes were very informative for them. Since the resource persons started the session from the basics of Python Programming, it could be followed even by a beginner. An online post-workshop feedback was also taken from the participants after the workshop.



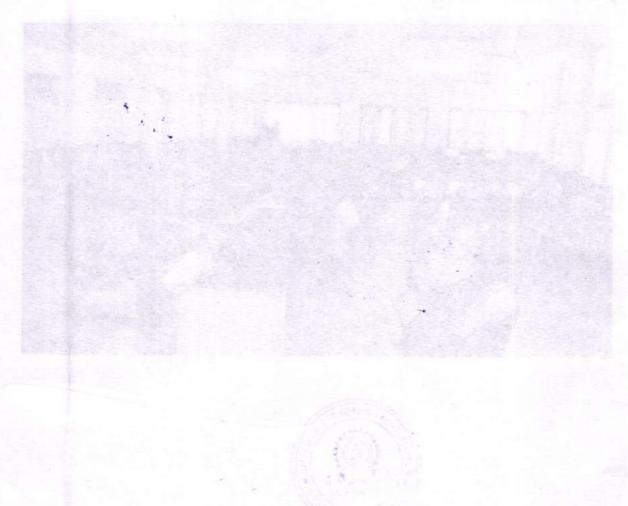


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WORKSHOP IN PYTHON

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TWO WEEK ISTE STTP ON "INTRODUCTION TO STRUCTURAL ENGINEERING"

A Two-week Faculty development program (ISTE STTP) on "Introduction to Structural Engineering" was conducted by Department of Civil Engineering, SBCE as part of T10KT mission of National Mission on Education through ICT (MHRD, Govt of India) from Jan 4 - 9, 2016. 13 faculty members from different colleges participated in the short term training programme. The STTP covered topics such as Structural Analysis, Design of Concrete Structures, Design of Steel Structures and Special topics in concrete & steel structures. The participants effectively utilised the platform to improve their knowledge in Structural Engineering through A-view interaction, quiz and assignments.



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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Webinar: 'Making Big Data Processing Simple with Spark'

A learning webinar on the topic 'Making Big Data Processing Simple with Spark' organised by ACM Student Chapter, SBCE was held at Sree Buddha College of Engineering for the faculties and PG scholars on 08 January 2016 from 1.30 pm to 2.30 pm. The session was attended by 15 students, accompanied with Prof. Anil A R, Head of the Dept.of CSE and the ACM coordinator (SBCEACM student chapter) Ms.Shini Renjith, Assistant Professor, Dept. of CSE and other faculty members from Dept of CSE. The webinar included contents such as Purpose of unified programming, Spark Programming Model, Built-in libraries and different applications.



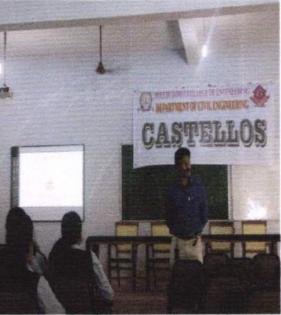


SEMINAR ON "SOFTWARE AWARENESS PROGRAMME"

A seminar on "Software awareness programme" was conducted under the Civil Engineering Association, CASTELLOS of Sree Buddha College of Engineering, Pattoor in association with CADD Centre Mavelikara on 12th January 2016 at CE Seminar Hall.

Mr. Suresh Kumar, the business manager of CADD centre began the session with the brief history of the CADD centre, their activities and courses offered. This was followed by a session by Mr. Prashanth G Krishnan, who introduced Building information modelling and a video presentation on the same showing its benefits over other normal software. Later on Ms. Aswathy, a faculty member of CADD centre introduced various other software including AUTOCAD, Primavera, Revit Architecture and 3Ds MAX. Finally the session came to an end with Mr. Suresh giving the students a brief idea about the upcoming events like the CAD Quest, Job Fairs etc. The entire session was simply fruitful and eye opening.







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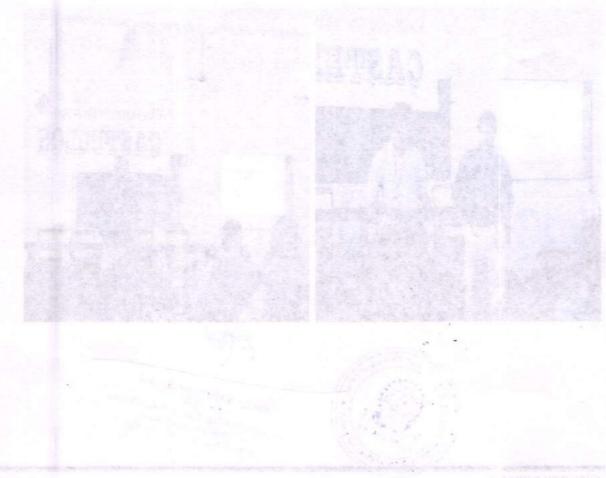
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SREE EUDDHA COLLEGE OF ENGINEERING
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SETTENARON "SOFTWARE AWARENESS PROCEAMANT"

A seminar or "Software as a circle representation" was conducted under the Civil Engineering Association, CASTELLOS of Step Budding College of Engineering Patrong in association with CADD Centre Edgewhite as 41°, pagery 2°, in a CE Seminar 14.0

Mr. Siliesh Kimun, the inteness minager of LADO centre began the session with the book history of the CADO centre, their stay inter and concess offered. This was followed by a cassion by his Prashanib G Kirilman, who immediated Building internation modelling and a video presentation on the same showing its hearing over other mound software, take the Massing, a facility manufact of CADO contre introduced various other software including at TOCAD Principles and Rept Architecture and 3Ds MAN. Finally the session cannot can end with Mr. Sinceh along the students a brief idea about the appearance energy face the CAD Quest.



SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Webinar: 'Protecting your Organisation from Advanced Threats'

A learning webinar on the topic 'Protecting your Organisation from Advanced Threats' hosted by ACM –SBCE in association with Cisco Systems was held at Sree Buddha College of Engineering for the faculties and PG scholars on 13 January 2016 from 9.30 am to 10.30 am. The session was attended by the students, accompanied with Prof. Anil A R, Head of the Dept. of CSE and the ACM coordinator (SBCEACM student chapter) Ms.Shini Renjith, Assistant Professor, Dept. of CSE and other faculty members from Dept. of CSE. The session was handled by Mr. Hrvoje Dogan, Resident Expert and leader of the Technical Advisory Group covering:

- · How today, a threat have changed the email and web security landscape
- What key features you need to require of your email and web security provider to protect you from today's threats
- · How Cisco Security solutions can help

He mentioned that Email and web are two critical pillars in today's business operations. The amount of business-sensitive data exchanged via email and web traffic is continuously increasing, making it a prime target for hackers. It was also quoted that today's threats are personalised, targeted, sophisticated and designed to evade traditional security solutions and trick users into becoming unwitting participants by encouraging them to click disguised compromised links and open personalised malicious attachments.

Dr. S. SURESH BABU

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SEMINAR ON "BAMBOO TECHNOLOGY"

A seminar on Bamboo Technology was conducted by PGIF & Department of Civil Engineering, SBCE on 20 th January 2016 at Civil department seminar hall. Mr. M Baburaj, one of the directors of URAVU organisation from Wayanad was the chief guest. About 100 PG students from various departments attended the seminar.

Seminar started at 9 am. After the welcome speech by Ms. Regi P Mohan (PGIF coordinator, Department of CE) and address by Principal Dr. S. Suresh Babu, Mr. M Baburaj addressed the audience. His seminar was on *Bamboo: as a green material*.



Mr. M. Baburaj taking seminar on Bamboo technology

He started on the species diversity of Bamboo, later moving on to different aspects of bamboo technology. He briefed on activities of URAVU to promote bamboo based products and on Bamboo based construction. He also detailed the various methods of treatment adopted before using bamboo for construction, different methods of construction using bamboo etc. Dr. E.K.Bhass, HoD CE and Dean of PG Studies made concluding remarks and vote of thanks was given by student representative from the department, Ms.Divya S Dharan. By 12.15 pm the seminar came to end.

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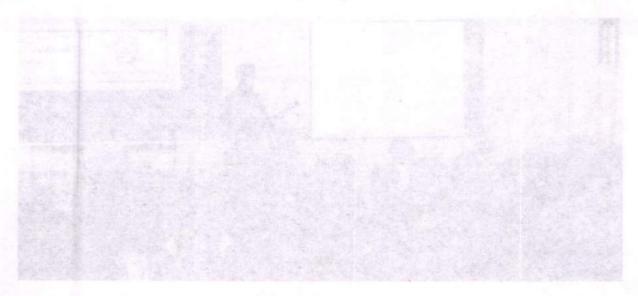
ACTIVITY REPORT

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Sommer started or 9 nm. After the well was speech by Ms. Sagn P Mohan (PGP) coordinator. Department of CE) and address by Principal Dr. S. Smesh Babu, Mr. M. Babus, addressed the audience. His seminar was an Equation: as a green material.



Mr. M. Palburat taking semuar on Bambon rechnicary

He stands on the species of the maker moving on to different aspects of hambs of technology. He briefed on a feetines of UEA VIII is promote handled products and on Bernboo base benestimenon. He also decided the various regimes of treatment adopted before using brianco for construction above to methods of construction assignments one. Or EA Blass, 1600 CE and Dean of PG Studies recipied and other receives and vote of thinks was given by studies from the department, McCovin Charac By 12 15 pm the seminar carriers and reconstruction.

ACTIVITY RATES - Page 5

Report on

Youth Empowerment and Skills (YES!+) Workshop from Art of Living Held on 19 – 21 February 2016.

A 3 – day Workshop on Youth Empowerment and Skills (ES !+) Workshop for the First Year students of the Dept. of C S & E was held on 19 - 21 February 2016 at the C S & E Block.

19 February 2016, Friday.

The workshop started at 9.00 a.m. at the Lecture Hall of the Dept. Dr. C. N. Somarajan, Professor of H R D, gave a brief introduction of the Workshop and its intended outcome of a perceptible positive transformation of the attitude, behavior and motivation of the participants. This was followed by the distribution of three different types of forms by Mr.Jairaj, one of the trainers of the workshop, to be filled up by the students. He also told the students that they will be given a certificate by Vyakti Vikas Kendra, Bangalore after the completion of the Workshop. At 9.30 a.m.Dr.S.Suresh Bau, Principal, S B C E, Pattoor addressed the participants. He told them the reason why he decided to offer the programme first to them, because they needed a little more motivation.

After the Principal's address, the students were taken to the designated hall on the first floor of the same block and that the regular sessions began at 9.45 a.m. It continued upto 4.10 p.m. with a lunch break between 12.30 and 1.00 p.m.56 students attended the Workshop.

56 students attended the programme .Mr.Arun P.S, Asst. Prof.Dept. of C S & E, was the Advisor on duty .

20 February 2016, Saturday

Workshop was held from 9.10 a.m.to 4.10. p.m.strictly according to the schedule covering the accepted curriculum. The morning session went upto 1.30. The participants reassembled after lunch at 2.00 p.m. as instructed by the trainers. A girl student had to discontinue the programme due to illness. One more girl students was also compelled to abstain from the workshop due to the death of a close relative.

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48 students participated in the Workshop today.

Ms. Arya Raj. S, Asst. Prof., Dept. of C S & E, was the Advisor on duty.

21 February 2016, Sunday

Workshop was held from 9.10 a.m.to 4.10.Luch break was given between 1.30 p.m. and 2.00 p.m.

A tightly packed day full of activities, like yoja, sudarsanakriya and suryanamaskar. Also other activities; all aimed at making the participants build up confidence, team spirit, leadership, relationship, concentration, , positive attitude, self-belif, etc.

Finally, every participant voluntarily came forward and spoke about their experiences. Also what they learnt from the workshop. They also submitted their written feedback of the programme

33 students attended the workshop today.

Mr.Arun P.S, Asst. Prof.Dept. of C S & E, was the Advisor on duty .

Mr. Jayraj Hrishikesh and Mr. Renjith were the trainers of the Workshop.

The programme ended by 5.00 p.m.

Dr. S. SURESH BABU

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H February 2016, Sunday

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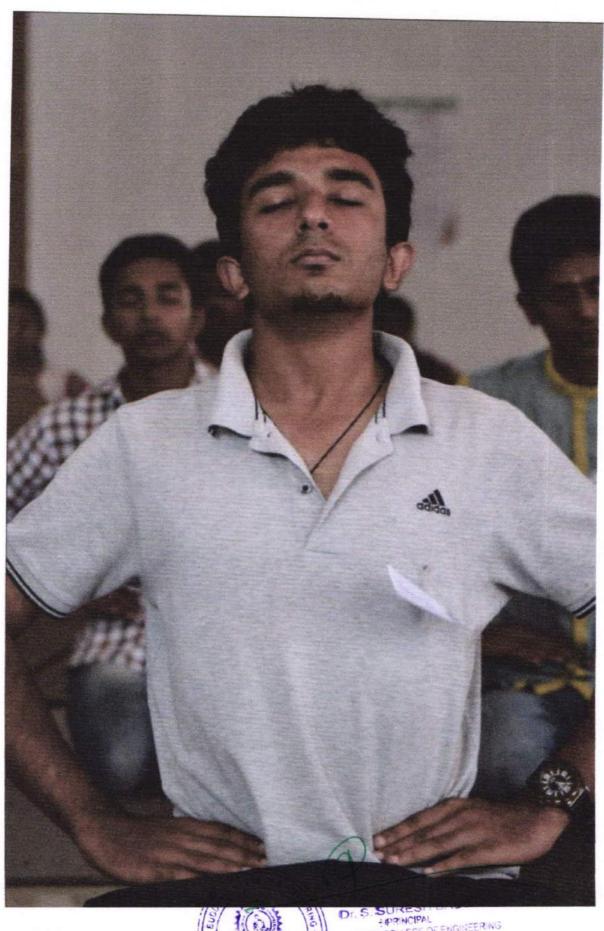
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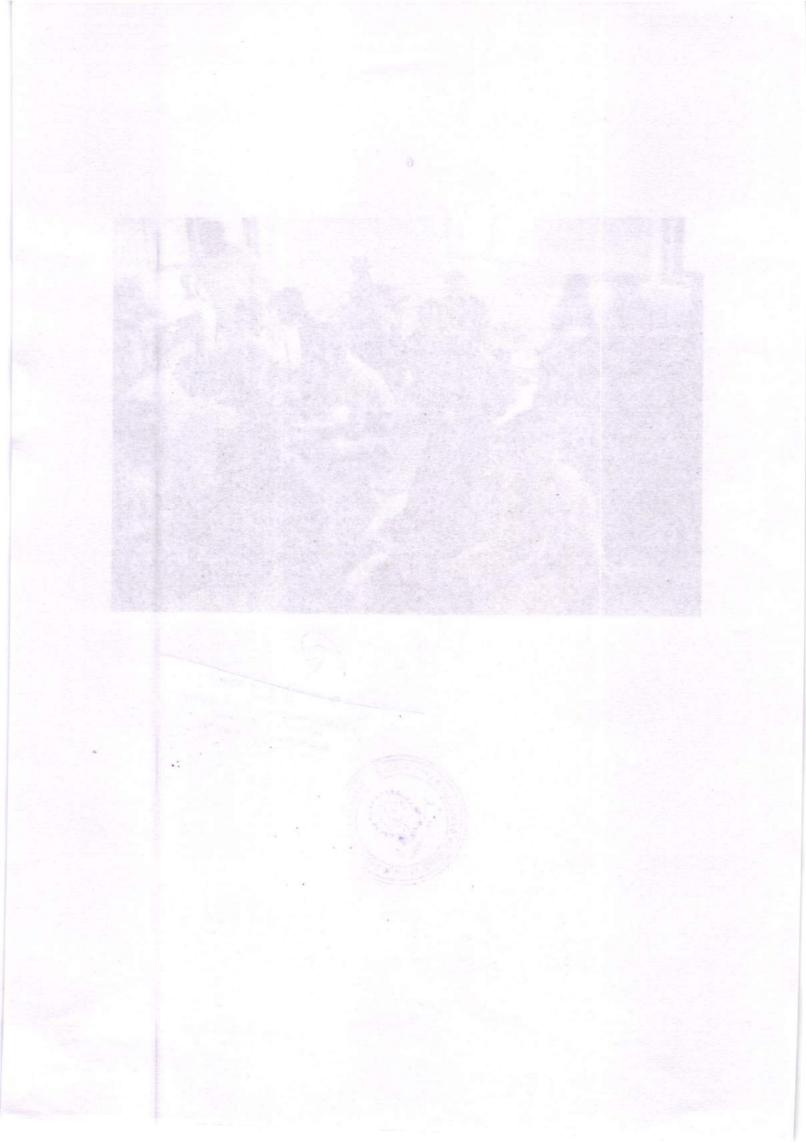
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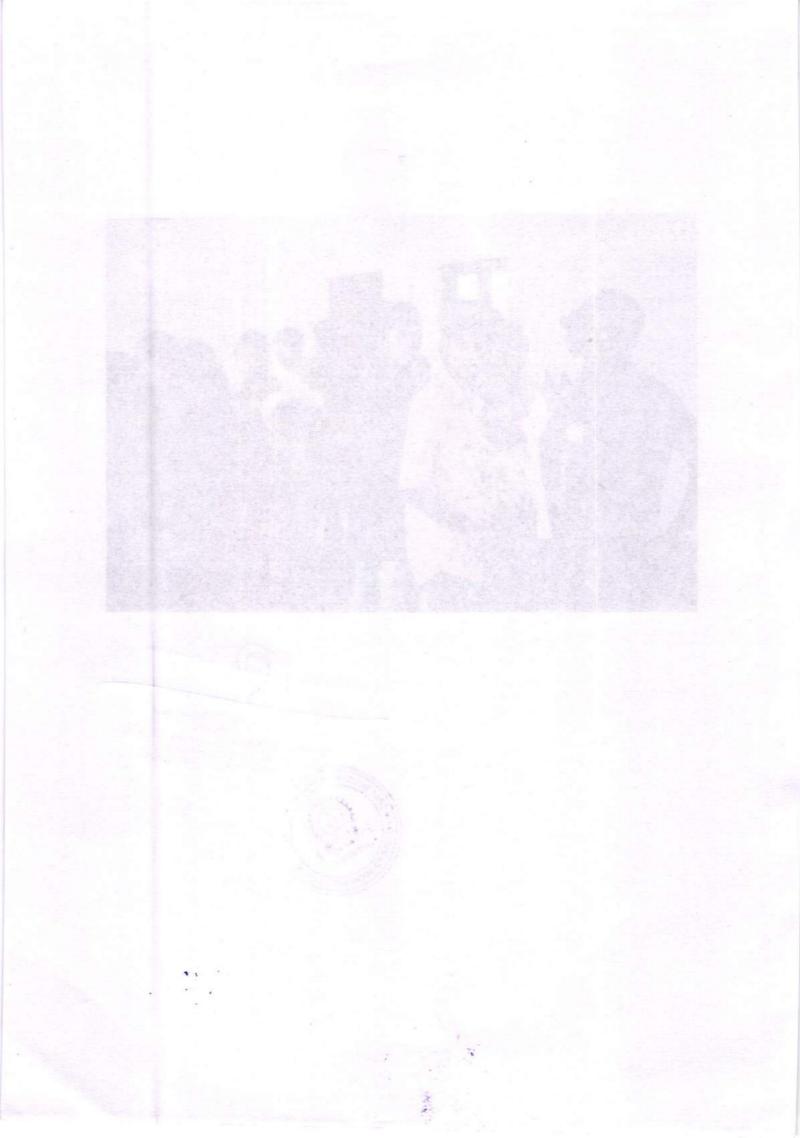






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TWO DAYS WORKSHOP ON "CONSTRUCTION PROJECT MANAGEMENT"

Two days workshop on "Construction Project Management" was conducted by Department of Civil Engineering in association with Civil Simplified for B Tech students on Feb 19 & 20, 2016. Civil Simplified is an IIT Kanpur alumni venture working with the intention of improving awareness about the latest trends in civil engineering and to bridge the gap between industry and academia. The workshop was organized with the vision of industry oriented skill development for the budding Civil Engineers. The workshop also included hands-on training on design software.



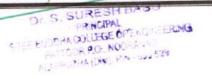


SEMINAR ON " SOLID WASTE AND THE WARNING BELL!!!"

A Seminar on "Solid Waste and the Warning Bell!!!" was conducted by Department of Civil Engineering on Feb 25, 2016 in association with Alappuzha District office of Suchitwa Mission. The forenoon session of the seminar included a presentation by Kerala Suchitwa Mission on the hazardous effect of different types on solid waste on our environment, possible measures and government policies for its effective management, implemented projects etc. The afternoon session was dedicated for the demonstration of two innovative inventions for the management of biodegradable solid waste by Dr Sudharmaidevi and team, Scientist, Kerala Agricultural

ACTIVITY REPORT

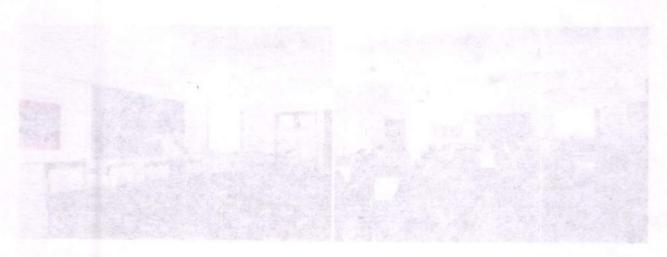




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TWO DAYS WORKSHOP ON "CONSTRUCTION PROJECT

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Interaction of Prof. Ritzy R & Prof. Anup Joy with the students

SEMINAR ON "SOLID WASTE MANAGEMENT"

A Seminar on "Solid Waste Management" was conducted by Department of Civil Engineering on March 14, 2016 in association with Innovation Experience, Trivandrum in the conference hall (Library Block). A lecture on Innovative methods in solid waste management was taken by Shri. Shyam Kumar, Director, Innovation Experience. The lecture also covered the various aspects of Design Engineering. The session was attended by the students of Second, Sixth & Eigth semesters of Civil Engineering and was presided over by Dr. E.K. Bhass (HoD (CE), PG Dean) & Shri. K.K. Sivadas (Treasurer, SBCE).

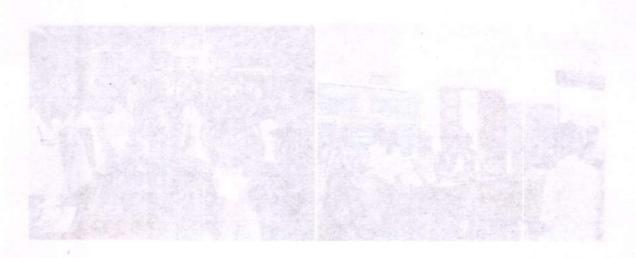




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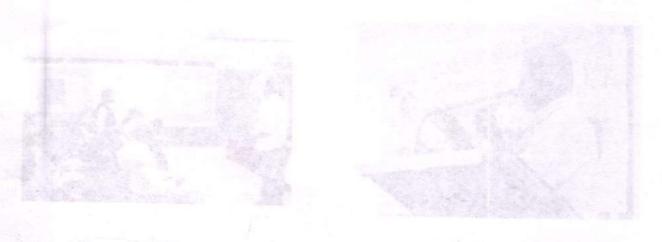
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Interaction of Fort Pincy Rock Pool Aprel Joy with the students

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ACTUAL YEAR OF

SREE BUDDHA COLLEGE OF ENGINEERING

Pattoor, Alappuzha, Kerala

Kerala State Student Convention of Computer Society of India

Report

The Kerala State Student Convention of Computer Society of India (CSI) was held on 19 February 2016 at Sree Buddha College of Engineering, Pattoor, Alappuzha. The convention was inaugurated by Shri. Santhosh Kurup, CEO, ICT Academy of Kerala. Around 106 students from various colleges including CSI student members registered and participated in the convention.

The inaugural function was held at the Conference Hall of Sree Buddha College of Engineering. The inauguration was presided over by Shri. K. K. Sivadasan, Treasurer, Sree Buddha Educational Society in the august presence of Dr. S. Suresh Babu, Principal, SBCE, Dr. K. Govinda, RVP, CSI-Region 7 and Prof. Suresh Thangakrishna, Tamil Nadu State Student Coordinator.

Prof. Anil A. R., HOD-CSE and Kerala State Student Coordinator welcomed the gathering. Chief Guest Shri. Santhosh Kurup delivered a really inspiring and thought provoking session on the theme of the convention, "Emerging Technology Trends for Sustainable Development". Dr. S. Suresh Babu, Principal, SBCE also stressed the importance of having new innovations in this area. Shri. K. K. Sivadasan, in his presidential address touched upon the technological innovations made by the Indians from ancient times and observed that the pace of technological development in India has now slowed down. Dr. K. Govinda felicitated the gathering by his address. Ms. Lakshmi S., SBC of Sree Buddha College of Engineering proposed the Vote of Thanks.

Next to the Inaugural function, Mr.S. Manikandan, Director, Target Soft Systems, Chennai delivered a technical session on Mobile Applications Development. The Code Debugging contest started after the technical session in which a number of students from various colleges participated. It was followed by the Quiz Competition which also saw the participation of teams from various colleges. The afternoon session had the Paper Presentation Contest in which different papers were presented based on different advanced technologies.

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Kerala State Student Convention of Computer Society of India

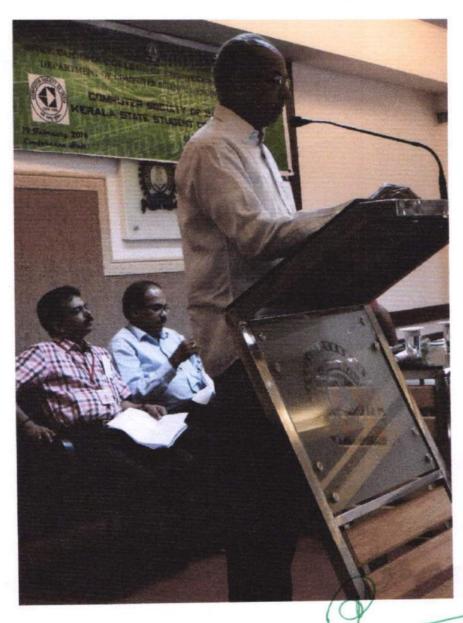
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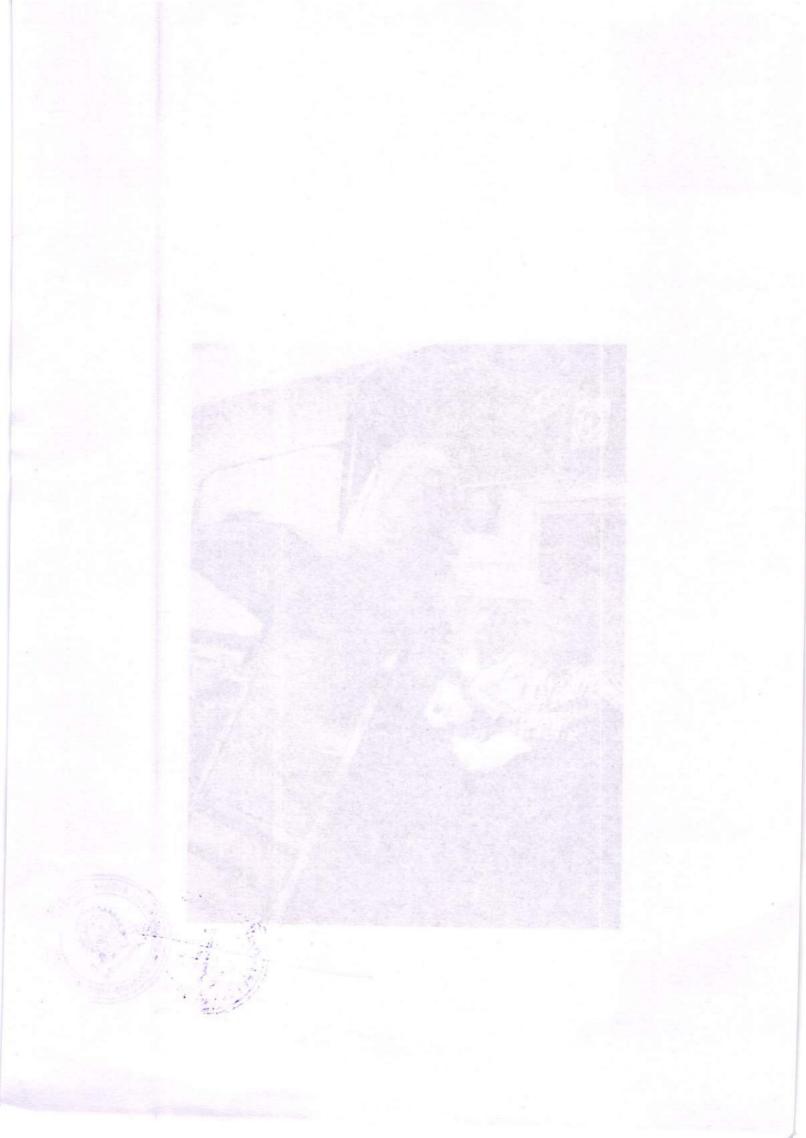
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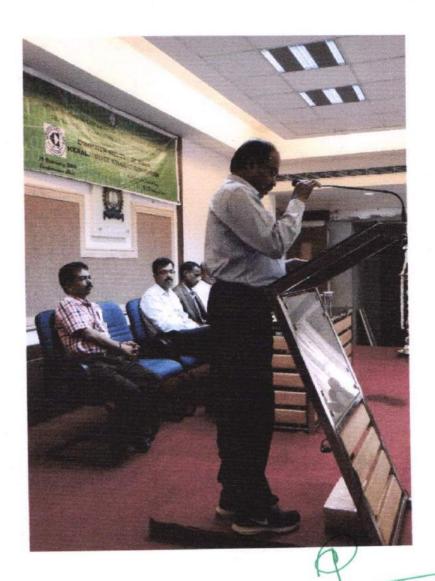
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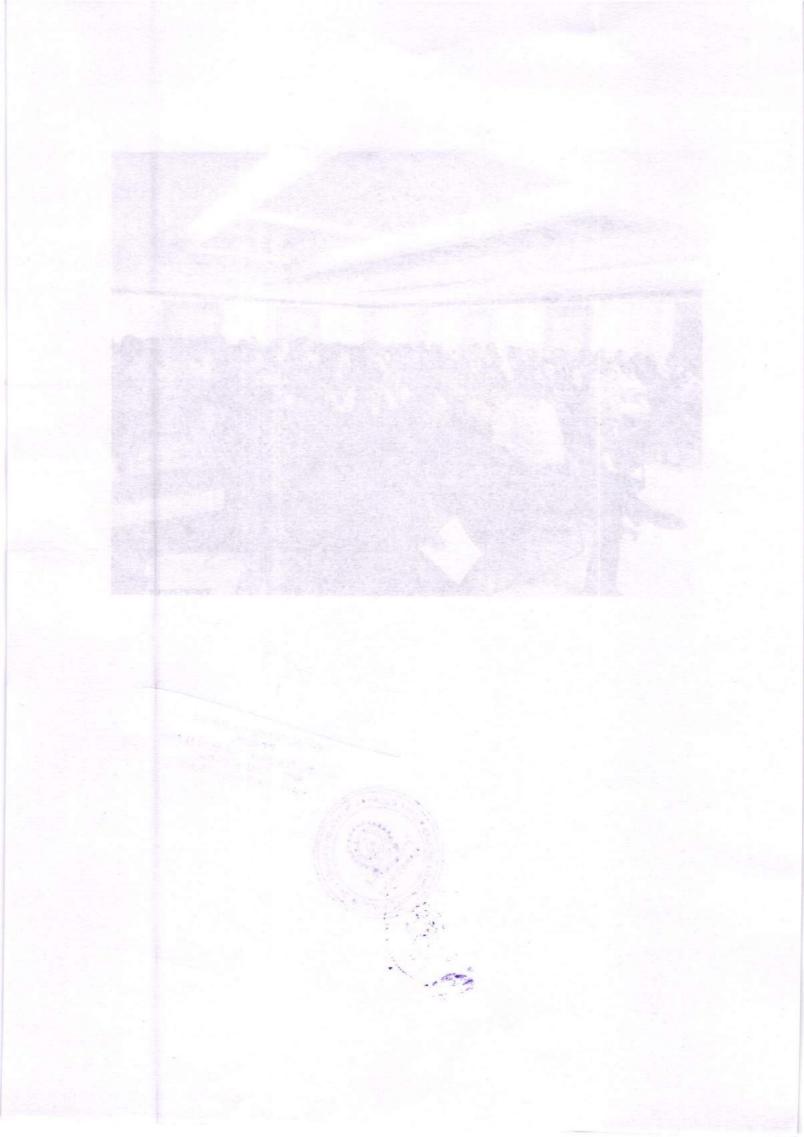
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING LAPTOP MAINTENANCE AND REPAIR COURSE

A training programme on Laptop Maintenance and Repair was conducted for the 3rd semester B. Tech Computer Science students from 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 programme, 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.





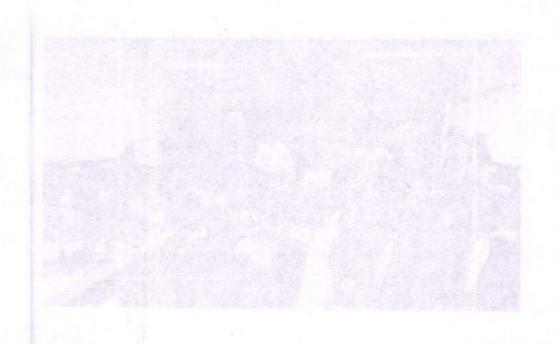
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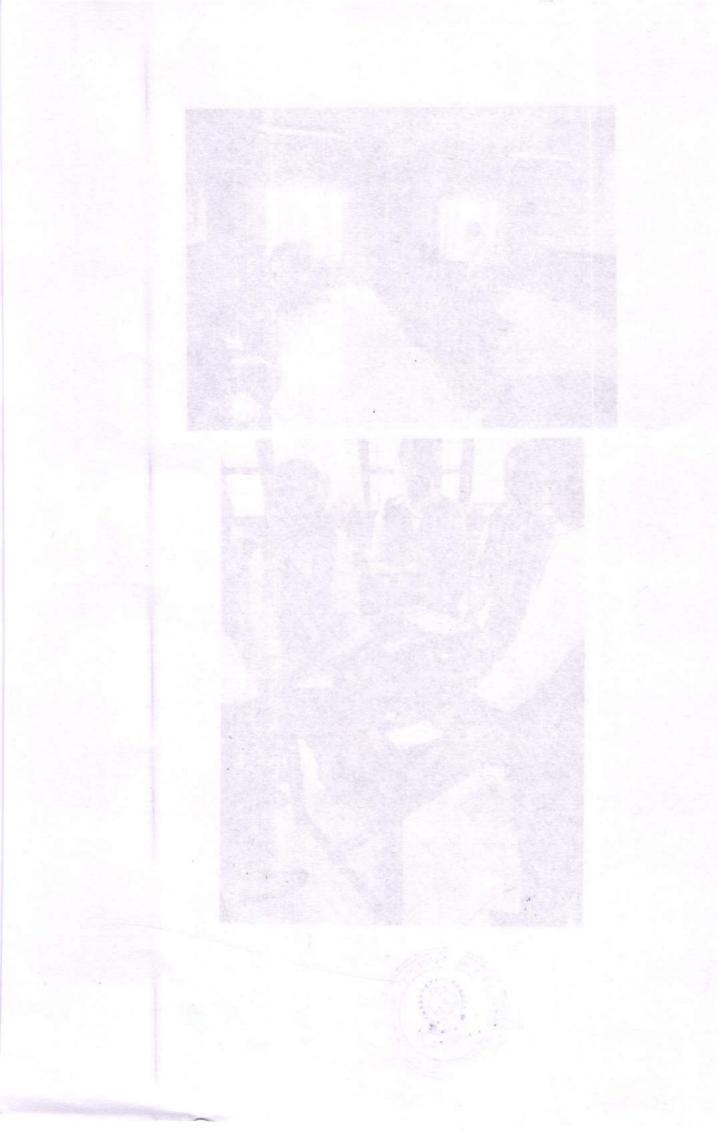
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Report about Workshop on Computer Aided Design and Analysis using Solid Works

Sree Buddha College of Engineering, Pattoor conducted five day workshop on Computer Aided Design and Analysis using Solid works 18th to 22nd July 2016. Department of Mechanical Engineering, Sree Buddha College of Engineering, Infographicx Technical Training and services jointly conducted the workshop.

As part of the workshop Solid works sketching,3D modeling, Assembly and static analysis training for third semester Mechanical Engineering students have been carried out at the CAD lab.

35 participants attended the workshop. Inaugural function of the workshop was held at Seminar hall of Mechanical Engineering Department.Prof Anilkumar A.V, HOD, Department of Mechanical Engineering gave the welcome address. He also gave a talk about the emerging trends in the field of designing and manufacturing.

The function was presided over by Dr. S Suresh Babu, Principal SBCE. In his presidential address pointed out the role of CAD tools and design engineers.

Sri. K.K. Sivadasan, Treasurer, SBCE inaugurated the function. He elaborated about the vast opportunities available to students when they gain expertise over the designing tools.

Prof Arun M, Staff Coordinator, Dept. of ME, SBCE gave the vote of thanks.

Coordinator

HOD

Campus Outreach Program organized by CSE Department

Date: 12/08/2016 Time: 9.30 AM

Venue: Conference hall, Central library block

Topic: "Embracing The Future: Innovation And Disruption"

Guest: Mr. Binu Shankar
Asst Director-Innovation
Ernst&Young, Technoprak

Computer Science & Engineering department organized a motivational talk as a part of Campus Outreach Programme on 12th August 2016, 9:30 am, at conference hall, Central library block. Inaugural session started with prayer. PG student representative of CS&E dept Ms.Akhila Sreenivas K presented welcome speech for 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 delivered 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 utilized all P.G and U.G students from various departments.



The talk is mainly included with a presentation on "Technology Advancement and Digital Disruption" and the whole discussion is focused on it. In that presentation, he tried to give a positive impact about automated or robot driven future. He also mentioned about the negative

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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 face the future changes with a challenging approach.



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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING PYTHON WORKSHOP

(Conducted by IIT-B & PSSI and Organised by ACM-W Chapter, SBCE)

REPORT

. "IAmPower" is an initiative of IIT Bombay (IITB), as part of the annual science and technology festival of IIT Bombay. Under this initiative, IITB organized workshops in collaboration with ACM-W at ACM Chapters in Indiawith 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 in the college on the 1st October 2016 from 9:30 am onwards. This was a one full day session with hands-on practice for the participants. All the first year BTech 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 we also 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 subject and so this session will surely help 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 pm 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. The workshop was a great success.

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DEPARTMENT OF COMPLETER SCIENCE AND ENGINEERING PYTHON WORKSHOP

(Conducted by 11 -II & 1231 and Organised by 1(747) (hapter, SRCE)

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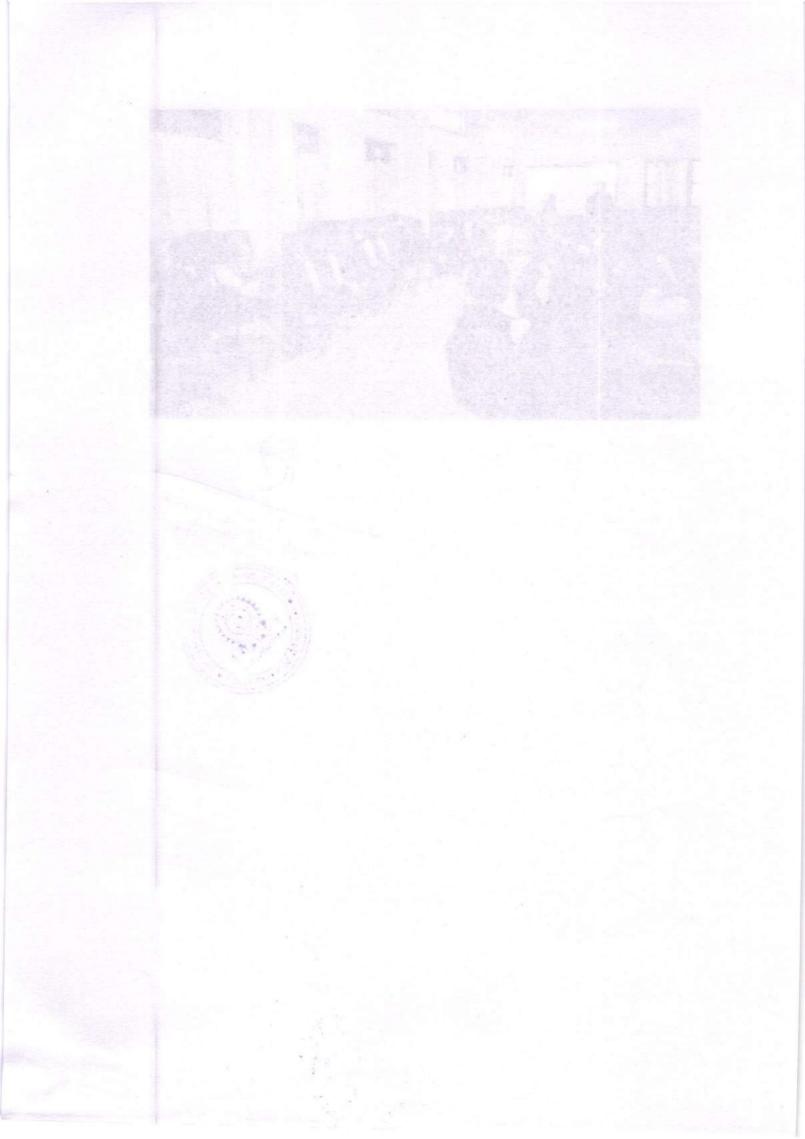
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IEEE PES QUIZ 2016 ON OCT 4TH AS A PART OF IEEE DAY CELEBRATIONS

The seventh IEEE day in memory of the first meeting of AIEE held in Oct 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 4th Oct 2016.





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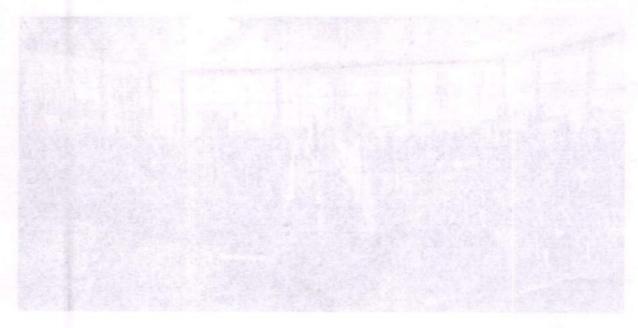
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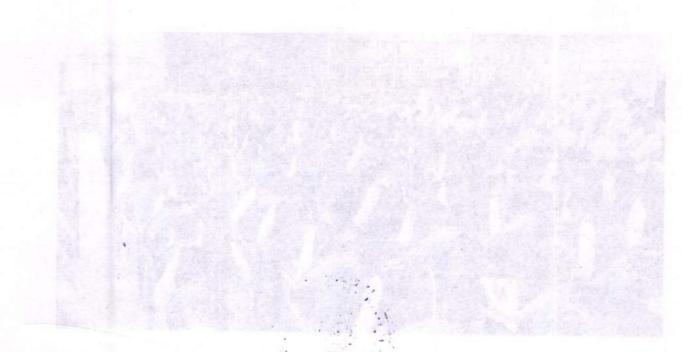
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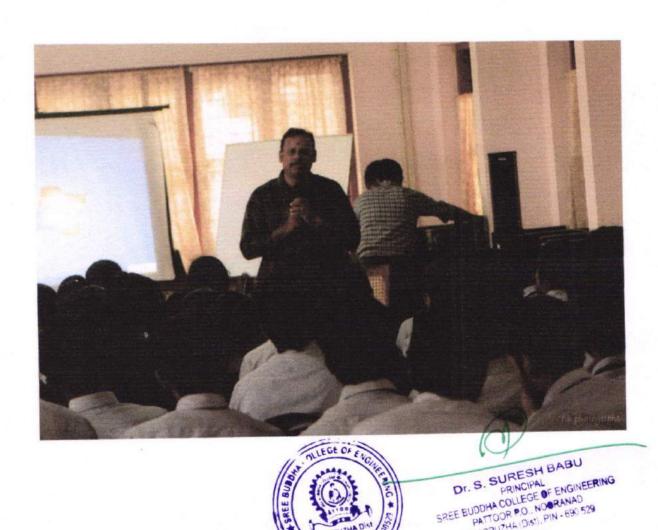
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING WORKSHOP IN C PROGRAMMING AND DATA STRUCTURES

A one day Workshop in C Programming and Data Structures was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. 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, Punnapra, 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.



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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PGIF Program organized by CSE Department

Date: 17/10/2016 and 18/10/2016

Time: 1:00 PM

Venue: Conference Hall, Library Block

Topic: "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 17th October 2016, 1:00 pm, at conference hall, LibraryBlock. Inaugural session started with prayer. Dr. S. Suresh Babu, Principal Sree Buddha College of engineering, HOD's from all departments, PGcoordinators of various departments, Faculties, Final year PG scholars attended the program.PG Dean, Dr.EK Bhass gave an introduction on the free and open source software lab.He explained about the various benefits of Foss lab compared to the traditional software's 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 addressed the PG scholars. He mentioned about the importance of using Digital library. He advised all the PG scholars to utilize all the facilities provided by the college library.

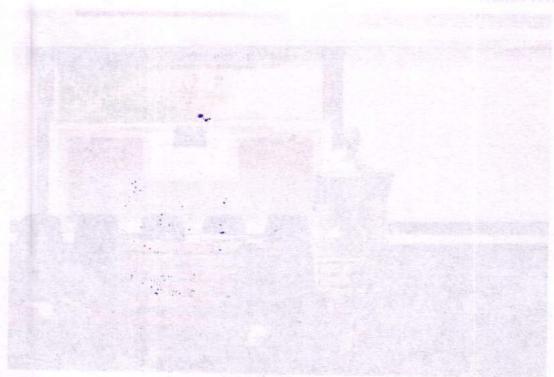


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Date: 1300-2016 and 15.102016 Jime: 1:06 PM Vegue: Capter act Hall Library Mock Lopic: *FOSS Halfal Library

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A practical session on the FOSS was arranged in the Digital library. The session started at 1:15pm.Ms Soumya Murali, Asst:professor computer science and engineering Department 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 and 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.

MrJayaprakash, Hardware and network engineer SBCE gave a practical session on Open source software tools. For the practical session all the system in digital library was installed with Ubuntu. He gave a small tutorial on how to use Ubuntu. He taught how to install an open source software in Ubuntu. MS. Disha. Librarian SBCE gave an awareness on e-resources. She explained how to utilize the various facilities provided by the digital library. She taught how to get proper to access to sites like IEEE, ASME, SPRINGER, 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. Free software licenses and open-source licenses are used by many software packages.



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BUDS ACTIVITY REPORT

Seminar on "The Recent Trends of Nanotechnology".Resource person: Dr.RenuGeetha, Nottingham Trend University, Malaysia Campus, (28th October 2016)

A one day seminar titled "The Recent Trends of Nanotechnology" was organized for the undergraduate students on 28th 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 its application. She gave a brief idea about the opportunities of biotechnological research in India and abroad. Dr. Manoj Narayanan proposed the vote of thanks. The entire session was simply fruitful and eye opening.

Dr. S. SURESH BABU

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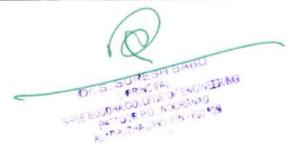
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BUDS ACTIVITY REPORT

Seminar on "Hazard Identification and Risk Assessment" Resource person: Dr. G. Madhu, Professor, Division of Chemical Engg., School of Engineering (18th Jan 2017)

A one day seminar titled "Hazard identification and Risk Assessment" was organized by Biotechnology Union for Development of Society (BUDS) on 18.01.2017. The session was lead by Dr. G. Madhu, Professor, Division of Chemical Engineering, CUSAT. He gave a comprehensive talk on various methods of hazard identification and methods of risk analysis and assessment. The program was inaugurated by Dr. Giridhar R Nair, HoD, Department of BT & BCE. Mr. Narayanan Nampoothiri V P, BUDS student representative, delivered the vote of thanks. The program was highly informative and inspiring.







ENERGY AND ENVIRONMENT CONSERVATION CLUB ACTIVITY REPORT-2017

Seminar on Environmental Challenges: Resource Person: Dr E K Bhass, Dean P G
Studies, Department of civil Engineering, SBCE, Pattoor, (7th February 2017)

A one day seminar on Environmental challenges was organized by Energy and Environment Conservation Club on 7th February 2017. Dr Giridhar R Nair, HoD, Department of BT& BCE welcomed the gathering. Dr S Suresh Babu, Principal made Presidential address. The main theme of the seminar was the influence of abiotic environment on biotic environment; physical environment on cultural environment and various interactions within the elements of physical as well as cultural environment. Dr E K Bhass presented the seminar in an enlightening manner and the students were enthusiastic to listen his thoughts and views. Finally Dr Jaya Mary Jacob proposed the vote of thanks.



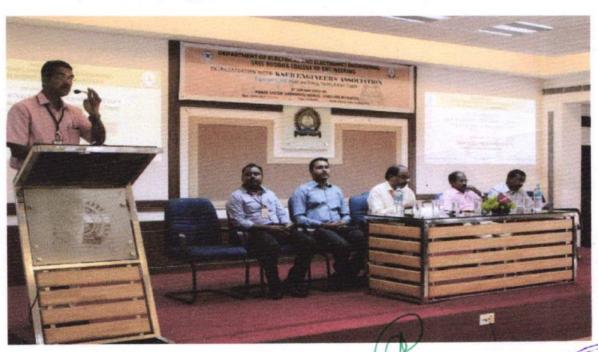
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Annual district level seminar series competition of KSEB Engineer's Association held at Sree Buddha College of Engineering, Pattoor.

The annual district-level seminar series competition of Kerala State Electricity Board Engineers Association (KSEBEA) was held at Sree Buddha College of Engineering (SBCE), Pattoor, Alappuzha, on 14th February 2017, Tuesday, in association with the Electrical & Electronics Engineering (EEE) Dept of the college and supported by IEEE Kerala Chapter. KSEBEA has been regularly conducting this competition for the last 7 years, in order to enhance the understanding of up-coming electrical engineers in the domain of Power System. The topic for this year's competition, was "Power System Harmonics – Sources, Issues and Mitigation" was organised in association with department of Electrical and Electronics Engineering.

The program started with the welcome address by Dr.Mithun M.S, HOD - Dept of EEE, SBCE and the inauguration was done by college Principal, Dr. S. Suresh Babu. Er. M. Anil, Executive Engineer & Chairman – KSEBEA, Alappuzha Unit, gave the presidential address. Students from different colleges participated in the event. In addition to the seminar competition, there was also a poster competition for PG students. The winners were judged by Er. P. Raghu, Chief Engineer – KSEB (Rtd.), Er. GangadharaKurup, Dty. Chief Engineer – KSEB (Rtd.), Er. Abdul Vahid K. J., Asst. Executive Engineer, KSEB – Mavelikkara unit, and Dr. A. Prince, Assosiate Professor, R.I.T Pampady. The program was coordinated by Prof. Vishnu. J and Prof. BibinThankachan of Dept. of EEE, SBCE and it concluded with a vote of thanks by Er. Sambath, Unit Secretary - KSEBEA, Alappuzha.



Dr. S. SURESH BABU

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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP IN BASICS OF JAVA PROGRAMMING

A one day Workshop in **Basics of Java Programming** was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. on 27 February, 2017 for the S4 B. Tech Computer Science and Engineering students. The sessions were led by Prof. Shiju Thomas M. Y., Assistant Professor, Department of CSE, Rajagiri School of Computer Science. The workshop was organized as two sessions. The morning session focused more on basics of object oriented concepts and the afternoon session focused on practical sessions on Java Programming. The sessions were attended by 51 students and the classes were very informative for them.

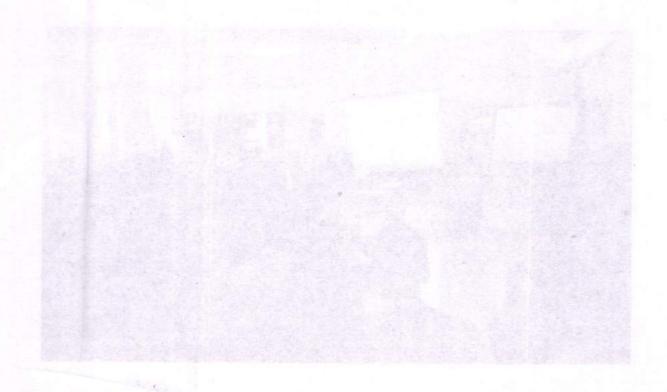


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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PGIF Program organized by CSE Department

Date: 29th March and 3rd April 2017

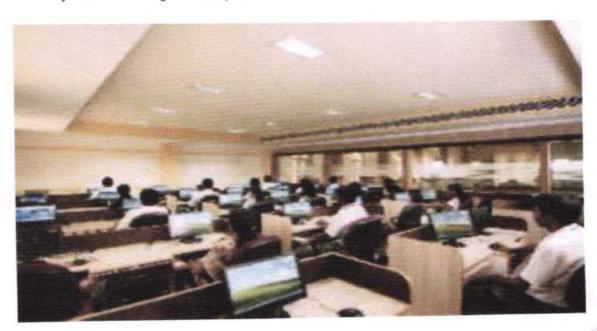
Time: 1:00 PM

Venue: Digital Library, Library Block

Topic: "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 29th March and April 3rd 2017 at, 1:00 pm, at Digital Library, Library Block. PG Coordinator Ms. Minu Lalitha Madhavu addressed the students and introduced the faculty members handling the sessions.

The session started at 1:05pm.Ms Soumya Murali, Asst Professor computer science and engineering Department gave an introductory session of FOSS.Mr Jayaprakash, Harware and network engineer SBCE gave a practical session on Open source software tools.Ms. Disha. Librarian SBCE gave an awareness on e-resources. For the free and open source software lab all the systems in the digital library was installed with Ubuntu.



Free and open-source software (FOSS) is computer software that can be classified as both free software and 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

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Date: 29th March and 5th April 2017

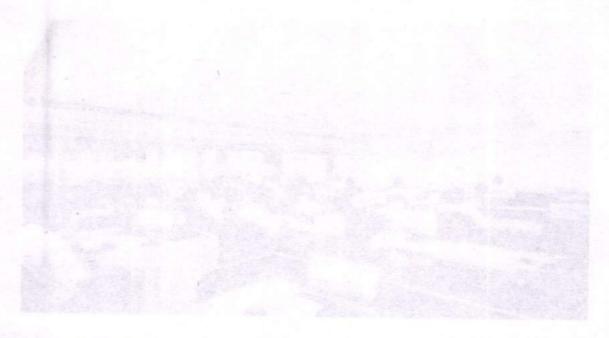
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Free and open-source software of the parameters software than an involusioned as both free software and open-source of tware. This is, impone a treefy here and to use, copy, study and citinge the software in any root, and sting source code is openly. Each so that meeting also

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.

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, smart phones (e.g. Android), and other devices. Free software licenses and open-source licenses are used by many software packages

Session 1: Introduction to free and open source software by Ms. Soumya Murali, AP in CSE

Free and open source software means the source code of the software is available and is free to modify the code by user. Thus users can customize the software to their needs. On the other hand we have software's whose code is protected from the reach of users which is known as Proprietary system for e.g. MS office.

Some advantages of the open source software are: free, control, training, security and stability. Some of the disadvantages are: it cannot be learnt in a day applications running in both proprietary and open source software is not available, additional device drivers are needed which incur cost and malicious users can easily attack.

Session 2: Familiarization with the Free and Open source software's by Mr. Jayaprakash V P Hardware & Network Engineer

The licensed operating system software like Windows is getting replaced by free and open source operating system like Zorin. The Libre office is one of the software's available in Zorin which has the same role that of MS office in Windows. The only problem with the Libre office is that the documents created on the same will not open in MS office as formats are incompatible. Another application available in the Zorin is Wine application which can run certain applications of Windows in Linux. Moreover there are many other useful and easy to use free applications available in the Free and open source software.

Session 3: Imparting knowledge regarding the list of e-sources available

library by Ms.Disha S, Librarian

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The various e-sources available are IEEE POP, ASCE library, Springer, McGraw Hill Access Engineering and DELNET. The way of easily accessing the resources available in these e-sources was demonstrated as well.

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DEPARTMENT OF BT&BCE ACTIVITY REPORT

Invited talk on "Crafting Ideas for Innovation", Resource person: Mr. Sarju S, nodal officer, Start-Up boot camp, St. Joseph'S College of Engineering and Technology, Palai, Kerala (19th April 2017)

The invited talk was primarily intended to create a powerful platform where young minds throw in their ideas in the brainstorming squads and collectively work out creative solutions to a real world problem. The objective of the session was to catalyze students from all fields of study to learn more about the complex challenges prevailing in the world, like food, education and health and inspire them to channel their passions and creativity towards developing new ideas that make a difference. Talk was conducted on 19.04.2017 by the Department of Biotechnology and Biochemical Engineering, SBCE. The welcome address was delivered by Dr. Jaya Mary Jacob. The students found thatsession was informative and enlightening.





SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON TECNICA 2K17

NATIONAL TECHNOLOGY DAY CELEBRATION

SUPPORTED BY KERALA STATE COUNCIL FOR SCIENCE, TECHNOLOGY AND ENVIRONMENT

The Department of Computer Science and Engineering of Sree Buddha College of Engineering organized TECNICA 2K17 in connection with the Observance of National Technology Day supported by Kerala State Council for Science, Technology and Environment on May 11, 2017 for the school students. TECNICA 2K17 was inaugurated by Shri. Syam Krishnan, Engineer/Scientist, Vikram Sarabhai Space Center, Thiruvananthapuram. He touched upon the impact of technology in different walks of life. The Presidential Address was delivered by Dr. S. Suresh Babu, Principal, Sree Buddha College of Engineering, Pattoor. He spoke about the theme of this year "Technology for Sustainable Development". He urged the students to look around and study the problems that the society is facing these days and see how technology can be used to solve these problems. Shri. K. K. Sivadasan, Treasurer, Sree Buddha College of Engineering and Dr. M. V. Rajesh, Head of the Department, Department of Electronics and Communication, College of Engineering, Poonjar offered their felicitations to the function.

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Shri. Syam Krishnan inaugurating TECNICA 2K17

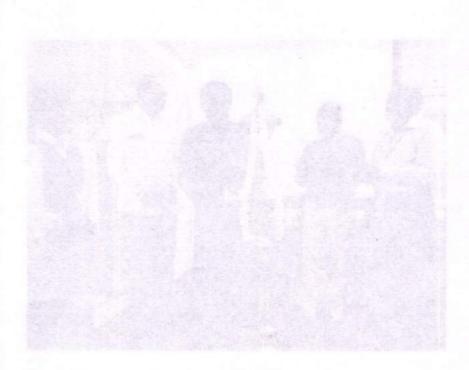


Principal Dr. S. Suresh Babu lighting the lamp

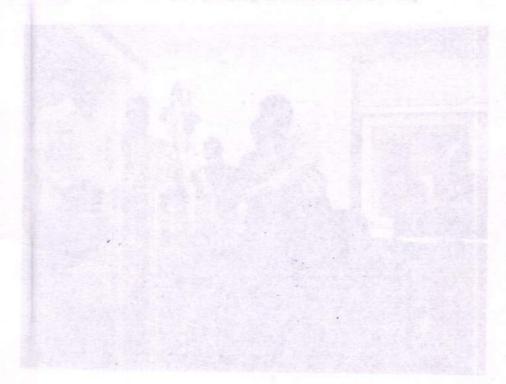
The first session was handled by Shri. Syam Krishnan, Engineer/Scientist, Vikram Sarabhai Space Center, Thiruvananthapuram. He talked upon the topic "Space Technology and its Applications". He touched upon the introduce of technology in Space missions and had a

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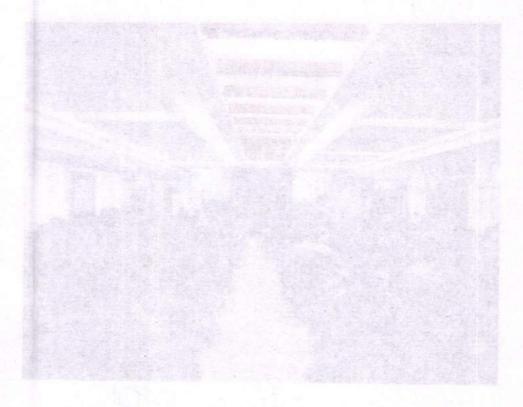
very interesting and interactive session with the audience. The second session was handled by Dr. M. V. Rajesh, Head of the Department, Department of Electronics and Communication, College of Engineering, Poonjar. He took a very interesting and informative session on "Internet of Things". The wide range of applications of IoT was a new experience for the participants and encouraged them to think about innovative solutions for a better living.

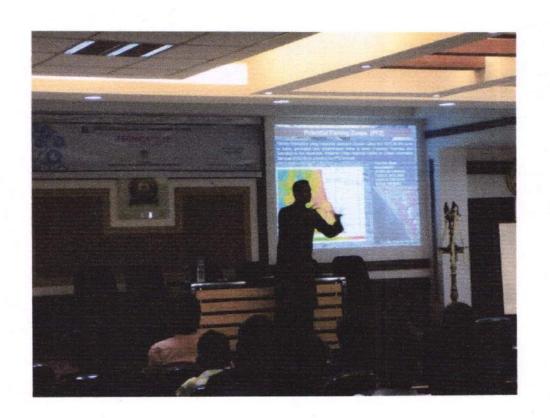


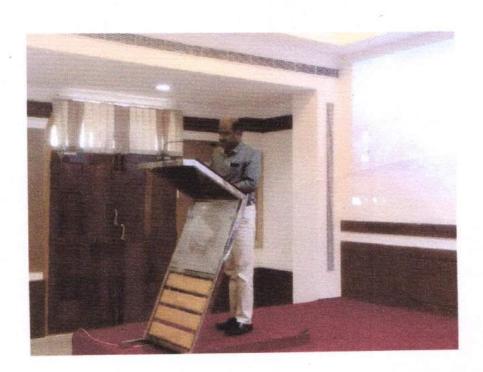


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College of Engineering twoman. Heatons a very interesting and informative session on Bround of Things. The order range of applications of 10T when now experience for the pathologists with engineering the description.







The invited talks were followed by a project presentation by the final year students of SBCE, namely, Mr. K. N. Mohammed Sayed, Ms. Drishya Gopakumar, Ms. Ruhin Mary Saji and Mr. Harish Kumar on the project titled Smart Garbage Management in Cities using IoT. This



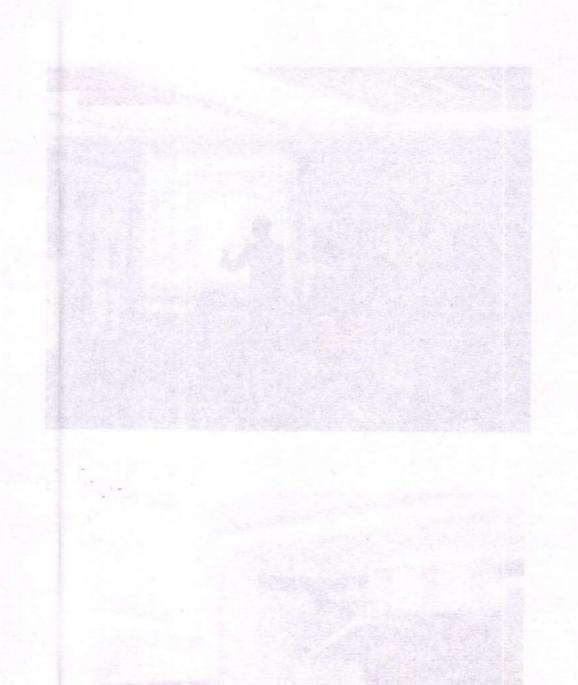
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project deals with the implementation of smart garbage management system using sensors, microcontrollers and GSM module which assures the cleaning of dustbins soon when the garbage level reaches its maximum. If the dustbin is not cleaned in specific time, then the record is sent to the higher authority who can take appropriate action against the concerned contractor. This system also helps to monitor the fake reports and hence can reduce the corruption in the overall management system. This project won the Best Paper Award in the National Conference on Eco-friendly Technological Innovations for Sustainable Development (Stream: - CS).

These sessions were followed by a Quiz Competition based on Technological Advancements. A total of 6 teams participated in the Quiz, each team consisting of 2 members. First and Second prizes were won by teams from Sree Buddha Central School, Pattoor and MGHS, Thumpamon respectively. Certificates and a Cash Prize were distributed to the winners of the Quiz. TECNICA 2K17 well attended by 100 students and their accompanying teachers from nearby schools.



SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING WORKSHOP IN PYTHON

DATE: JULY 28-29, 2017

A two day Workshop in Python was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. on 28-29 July, 2017 for the First year B. Tech CSE students. The sessions were led by Mr. Arunanand T. A., HR Head, FullContact Technologies Pvt. Ltd. and Mr. Arun N A., Technical Manager, FullContact Technologies Pvt. Ltd. The session was attended by 56 students and the classes were very informative for them. Since the resource persons started the session from the basics of Python Programming, it could be followed even by a beginner. An online post-workshop feedback was also taken from the participants after the workshop.



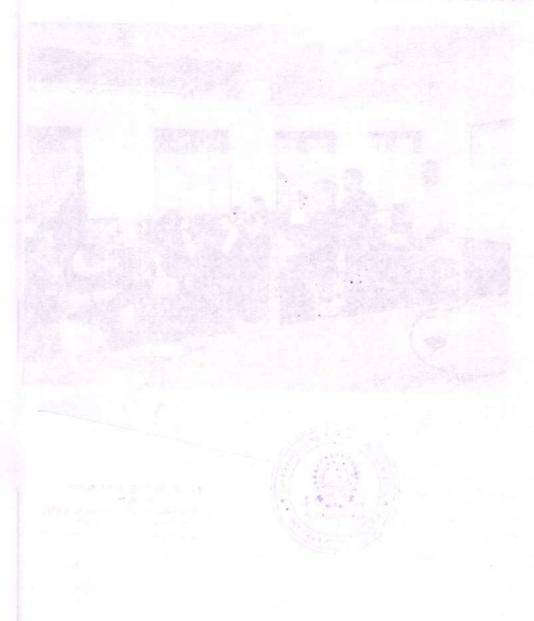
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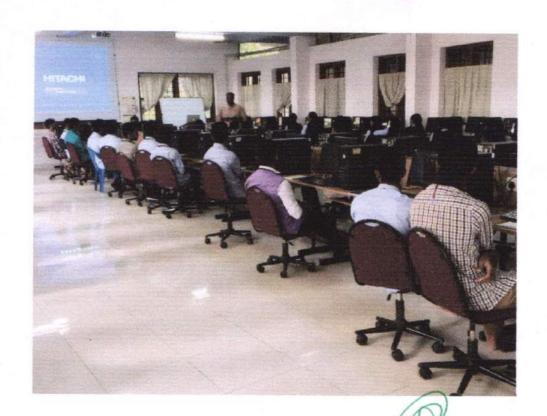
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DATE: 11 E.Y 28-29, 2017

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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON DESIGN PROJECT

As part of Design project subject to the S5 students of KTU, the Department of Computer Science and Engineering of Sree Budha College of Engineering has arranged and successfully completed a training session for the topic "DEVELOPMENT LIFE CYCLE OF A SOFTWARE" on 26.08.2017 from 10.00 a.m. to 1.30 p.m. at Seminar Hall of the Department. The programme has arranged as an activity of CSI (Computer Society of India) Student chapter, SBCE Pattoor. The internal faculty Mr. Arun P S and Ms. Keerthi A S Pillai, Asst. Professors of the Department are the convenors of the programme. Out of 52 students 40 students attended the programme.

The faculty Mr. Manoj M, Director of M/s. Macfos Pvt ltd a Software developer has conducted a wonderful session on the various steps of the development of a software by a team. He has given a clear idea about how a Design projects can be formed.

- 1. Use Scrum Model for design Projects
- Use the various projects of students as separate modules of the Information system so that the final product will be a Campus Management System.

The topic entails an interactive session about the stages of a Software development on the above said portfolio and discussed the various responsibilities of Team members, Team leaders and Group captain of a Software development team.

Since this was an interactive session, all students attended the session got an idea and knowledge on the design of a software.



HA COLLEGE OF ENGINEERING

PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 620 529

ONE DAY SEMINAR ON DISASTER MANAGEMENT

Post Graduate students Interdisciplinary Forum (PGIF) of SBCE had coordinated a seminar on Disaster Management for P.G. students of Department of Civil Engineering on 08th August 2017 at Conference hall, library block. Mr. Amal Raj. M, assistant professor on Disaster Management from Institute of land and Disaster Management (ILDM, Government of Kerala) and Mr. Arun G., first aid trainer and health inspector, Government of Kerala were the chief guests. M. Tech Structural engineering students attended the seminar.

College Principal Dr. S Suresh Babu presided over the Inaugural ceremony. Mr. Amal Raj M. handled the technical session on *Disaster Management Policies and Earth quake response*. Disaster, its various aspects and the control policies adopted by government were detailed. He briefed on how ILDM is acting as a focal point at state level, for imparting training in the field of disaster prevention, mitigation, preparedness, response, relief, rehabilitation etc; undertaking research, documentation and development of database. This seminar was conducted aimed at providing awareness about various natural and manmade disasters and the immediate measures to survive them.

Mr. Arun G. handled another technical session on *Medical first response and Rescue Techniques*. He detailed various first aids and rescue techniques adopted during accidents and disasters. Demonstrations were also shown on some rescue techniques.

Dr. E.K. Bhass HoD CE and Dean of PG Studies made concluding remarks and vote of thanks was given by student representative. Dr. E.V. Nampoothiri, Professor and U.G.Dean, Ms. Regi P. Mohan PGIF Coordinator, from the department and other faculties were also present.

Dr. S. SURESH BABU

SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529

DEPARTMENT OF BT&BCE ACTIVITY REPORT ONE-DAY SEMINAR ON BIOENTREPRENEURSHIP, (15th September 2017)

A one day seminar ' A E K A- Crafting the biotechnology based entrepreneurship was organized by the Innovation and Entrepreneurship Development Centre & Department of Biotechnology and Biochemical Engineering on 15th September 2017. The core team from AEKA Biochemicals Pvt. Ltd- the first fully women owned biotechnology company in Kerala, addressed the undergraduate and post graduate students in Biotechnology and Biochemical Engineering regarding the various aspects of Biotechnology based entrepreneurship. Ms. Aardra Chandra Mouli, the founder and managing Director of AEKA shared her experiences in her journey towards the genesis of her successful startup venture. In her address, Ms. Mouli unveiled the incessant career prospects in the field of biotechnology research and development and indicated that Kerala is already a hub to biotechnology start-ups. The students also had an interactive session with Dr. Aruna and Ms. Sinu Sunny, who briefed them about the various aspects in the research and production units of a biotechnology firm. An active participation was noted from the students throughout the session and the students had raised several queries to the resource personnel regarding the upcoming opportunities in the field and the stages in the growth of a start up.





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'Power Quiz-2017'



The College (preliminary) level 'Power Quiz-2017' competition of *Kerala State Electricity Board Officers' Association (KSEBOA)* was held at Sree Buddha College of Engineering (SBCE), Pattoor, Alappuzha, on 25thOctober 2017, Wednesday, in association with the Electrical & Electronics Engineering (EEE) Dept. of the college.KSEBEOA has been regularly conducting this competition since 1996, in order to motivate and enhance the understanding of up-coming electrical engineers in the domain of Power System.

The program started with the welcome address by Prof. Vinod V P, HOD – Dept. of EEE, SBCE. 47 students from different departments of SBCEwere participated in the event. The winners are:

- First Manu B Pillai (EEE, S7)
- Second Akhil P Kumar (CSE, S3).

The winners are selected for district level competition. The program was coordinated by Mr. Vishnu. J, Asst. Prof. & Dept. Staff Secretary of EEE, SBCE. The student coordinators were Anandhu Ramesh and Malavika of S7 EEE. The program was concluded with a vote of thanks by Er. Santhosh K, Asst. Engineer States on Substation.

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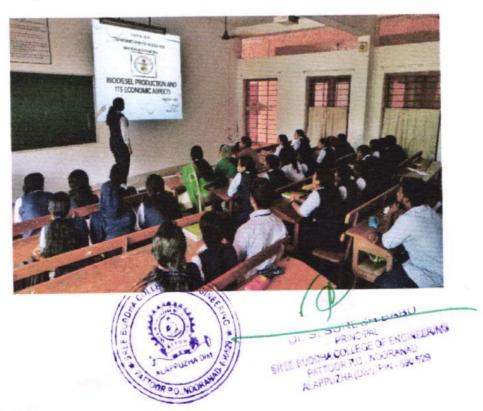


Department of Biotechnology and Biochemical Engineering

Journal Club

Biodiesel Production and its economic aspects

Under the Journal club in the Department of Biotechnology and Biochemical Engineering, a presentation was conducted on the topic of Biodiesel Production and its economic aspects by Anju J of final year. The presentation was conducted at S7/S8 class from 9 am on 22nd April 2017. The presentation was attended by the students of final year and pre final year. Biodiesel is produced from a renewable source and is a cleaner fuel. She focused more about the depletion of fossil fuels in the present scenario and the need for biodiesel production and use. In the discussion it was also mentioned about the different sources from where the biodiesel could be produced even though she focused more on the production of biodiesel from waste cooking oil. The intention of converting a waste to wealth was appreciated by the crowd. After the presentation of 20 minutes, teachers even asked her a bunch of questions regarding the advancement of such a technique and its commercial application. It was followed by a short break of 10 minutes in which tea was served with light snacks. Then there was an interactive session with the student crowd who were much more enthusiastic about the presentation. The questions which were shot at her by the curious students made the interaction more informative. There were questions regarding the practical application on engines available in the vehicles in India, its feasibility and so forth. Hence the session turned out to be a fruitful one for everyone.





SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF ONE DAY WORKSHOP ON "ENGINE DESIGN"

The Department of Mechanical Engineering organized a one day workshop on "Engine Design" for the final year B.Tech students on 16th January 2018 in association with Regional Skill Development and Certification Authority (RSDCA), an autonomous body under the Govt. of India. The primary objective of the workshop was to impart the fundamental know-how on the design of an Internal Combustion (IC) engine. The workshop was inaugurated by Prof. Anil Kumar AV, Head, Department of Mechanical Engineering. The sessions were handled by Mr. Sandeep Sadanandhan, a leading technical trainer with RSDCA. His session started with an introduction to the various functional components of an IC engine followed by the analysis of an IC engine model. At last, he has demonstrated the working of a homemade 8cc IC engine. The classes were highly informative and received immense positive response from the students. The workshop witnessed 120 participants. Prof. Sreekumar S issued certificates to all participants towards the end of the workshop

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SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF MECHANICAL ENGINEERING

REPORT OF ONE DAY WORKSHOP ON "INNOVATION AND PROJECT DEVELOPMENT"

The Department of Mechanical Engineering organized a one day workshop on "Innovation and Project Development" for the first year B.Tech students on 7th February 2018 in collaboration with the Innovation and Entrepreneurship Development Cell (IEDC) of the institute. The workshop was coordinated by Dr. Sreejith Mohan and Dr. Trijo Tharayil. Prof. Anil Kumar A V, Head of the Department of Mechanical Engineering welcomed the gathering. The workshop was inaugurated by Prof. K.K. Sivadasan, Treasurer, Sree Buddha College of Engineering. Dr. S. Suresh Babu, Principal, Sree Buddha College of Engineering delivered the presidential address. Prof. Sherin Thampi, Asst. Professor, Amal Jyothi College of Engineering delivered the felicitation and Mr. Akash Ashok, student coordinator delivered the

The sessions of the workshop were handled by Prof. Sherin Sam Jose, Head, Department of Automobile Engineering, Arnal Jyothi College of Engineering, Kanjirappally, Kottayam. He covered all the major aspects of innovation including its purpose and the role of students in realizing it. He also focused on the requirement, pathway and benefits of undertaking an innovative project. He was successful in implanting the seeds of creativity in the young minds in through motivational videos and living examples. The lecture was highly motivational and it received immense applause from the participants. All participants received certificates at the end

vote of thanks.

of the workshop.

IEEE SPECTRUM TALK-2K18

The students of department of Electrical and Electronics engineering in association with IEEE conducted a spectrum talk based on the topics in spectrum magazine as a seminar class. It was coordinated by S2 electrical and electronics department students.

This was conducted on 18th January 2018 from 12.30pm to 1.00pm. The seminar was taken by Kiran C.K, EEE S2. The topic was about "DRONES MAKE A SPECIAL DELIVERY-MOSQUITOES" The members of IEEE from 1st year, 2ndyear and 3rd year B. Tech students were present in this talk.



Spectrum talk by Kiran C.K, S2EEE.

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SREE BUDDHA COLLEGE OF ENGINEERING

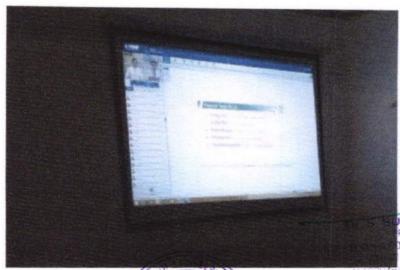
College to Corporate program (20 February - 18 March 2018)

Conducted by IIT Bombay

Report of 'TECHNICAL SKILLS' course

IIT Bombay in collaboration with J. P. Morgan, is conducting a course on Technical Skills, in a series of four short courses under the 'College to Corporate' program. The program is primarily targeted at pre-final and final year students, to help them prepare or the corporate world, and perform better in the recruitment process. Sree Buddha College of Engineering has offered this course to 6th semester Computer Science students. The first phase of the online activity (face to face interaction) was on 24/02/18, second interaction was on 10/03/18 and third interaction was on 17/03/18. Out of 42 registered students 36 attended the first phase, 17 attended the second phase and 10 attended the last interaction. The online activity was scheduled from 2.00 pm to 5.30 pm. The first session of day 1 was on 'Demystifying Blockchain' and the second session was on 'Introduction to Artificial Intelligence'. The day 2 was on 'Introduction to Asset Exchange Case Study'. The first session of day 3 was on 'SDLC' and second session was on 'Matching Engine Demo'.



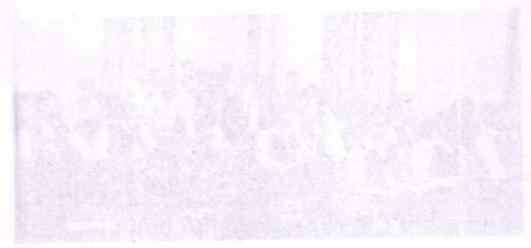


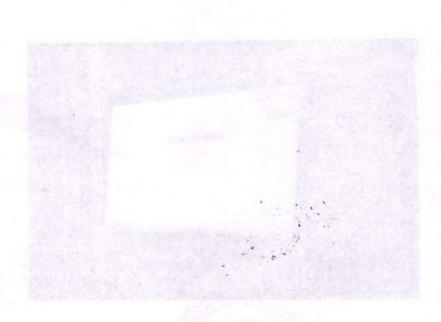
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON ANDROID APPLICATION DEVELOPMENT

A National Level Workshop on Android Application Development was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. in association with CYBORG on 19th and 20th of January, 2018 for the B. Tech Computer Science and Engineering students. The sessions were led by Prof. Shiju Thomas M. Y., Assistant Professor, Department of CSE, Rajagiri College of Social Sciences. The workshop was organized in two days. The morning session of day 1 focused more on configuring the environment and android basics and the afternoon session focused on practical sessions on developing simple android applications. The second day of workshop focused on menu programming, internet programming, SQLite programming etc. The sessions were attended by 57 students and the classes were very informative for them.



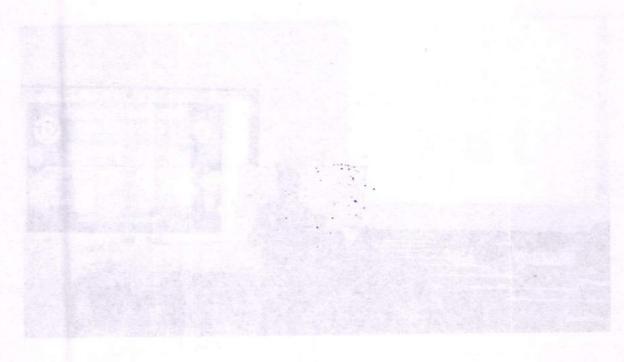
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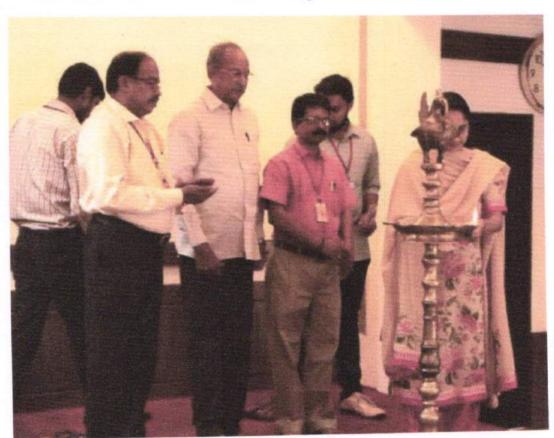
SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Computer Science Association (CYBORG) Inauguration

REPORT

Department of Computer Science and Engineering inaugurated the association activities for the academic year 2017-18 on 08th March 2018 at the Seminar hall, library block by Ms. Prathibha Santhosh (Free lance trainer) who has more than 15 years of experience in IT industry. Mr. Gopu Darsan (Assocition coordinator), Assistant Professor, Dept. Of CSE welcomed the gathering. The presidential address was delivered by Dr. S Suresh Babu, Principal, Sree Buddha College of Engineering. The programme was inaugurated by the chief guest by lighting the lamp. Sri K K Sivadasan, Treasurer, SBCE, gave the felicitation. After the inaugural session Ms. Prathibha Santhosh, gave a motivational speech to the students of Computer Science and Engineering Department. As part of the Association inauguration, a technical expo was conducted by the students of Computer Science and Engineering Department which was inaugurated by Sri K.K. Sivadasan, Treasurer, SBCE for school students. The expo included recent technologies like IOT projects, Virtual reality, OS Evolution, Hardware etc,. More than 150 students from various schools visited the expo.



Inauguration of CYBORG by Ms. Prathibha Santhosh by lighting the lamp

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Dr. S. SURESH BABU

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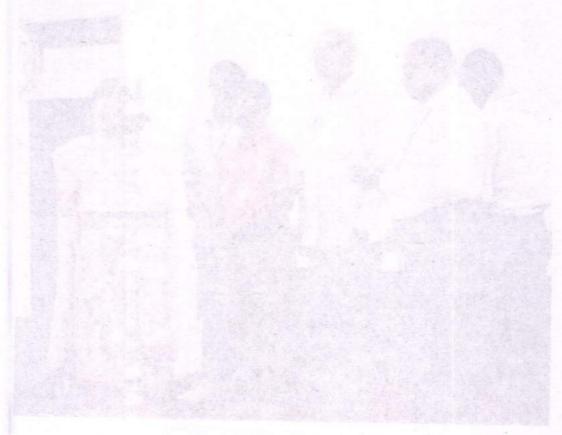
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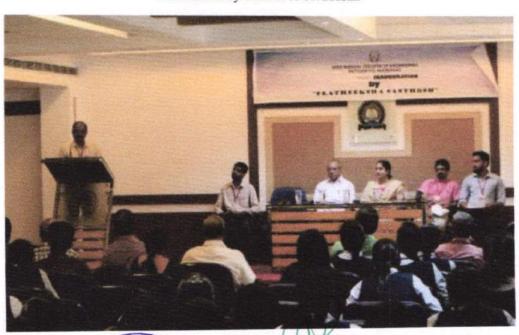
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Welcome address by Mr. Gopu Darsan



Felicitation by Shri. K K Sivadasan



Presidential address by Dr. S Suresh Babu

Dr. S. SURESH BABU PRINCIPAL SREE RUDDHA COLLEGE OF ENGINEERING PATTOOR R.O., NOORANAD ALAPPUZHA (Dist), PIN 1693 529



Presenting memento to Chief guest



Motivational Speech by Ms. Prathibha Santhosh

Dr. S. SURESH BABU

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REPORT ON THE ACTIVITIES OF BUDS (BIOTECHNOLOGY UNION FOR THE DEVELOPMENT OF THE SOCIETY)

"Biosfera-2k18"

The Dept. of Biotechnology and Biochemical Engineering has conducted a one day technical expo "Biosfera-2k18" on 9th March 2018 in the conference Hall, Library block, SBCE. Biosfera 2k18 was a technical forum to accentuate the role of biotechnology and its interventions in daily life. The event included student project exhibitions, demonstrative project expo, blood stem cell donor registration and awareness camp, technical talk on "Eco conservation of water bodies", Awareness class on fire and rescue services and several other forums that highlight the importance of biotechnology for sustainable development. Biosfera 2k18 was inaugurated by Er. Biju Balakrishnan ,District Environmental Engineer, State Pollution Control Board (Thiruvanathapuram), The felicitations were proposed by Shri. K K Sivadasan, Treasurer, SBEC; Aby Sam John, HEAD- Donor Recruitment & Counseling, DATRI Blood Stem Cell Donors Registry. Ms.Shamnamol G K presented the BUDS activity report of academic year 2017-18. BUDS secretary Mr. Arun M P proposed vote of thanks. As part of the program Aeka Biochemicals Pvt.Ltd, Light it Up- wealth out of waste, DATRI Blood Stem Cell Donors Registry exhibited their stalls and actively participated in the program. 250 students from various schools like Travancore International School, Adoor; Sree Sabari School, Nooranad; Sree Buddha Central School, Pattoor got a chance to explore various projects done by Biotechnology Students and interesting experiments were explained to the young generation that would motivate them to develop innovative ideas in future.



ALAPPUZHA (Dist), PIN - 690 529

SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR

Department of Biotechnology and Biochemical Engineering

A Technical Expo, ASTRAL 2K18, (7th -9th March 2018)

As part of ASTRAL 2K18, Biotechnology and Biochemical Engineering Department has organized mainly 4 events like Aventura, Ideathorn, Questionnaire, footmaestro, and Transfusion music on 7th -9th March 2018. "Questionnaire", a quiz competition to find the general and technical knowledge levels within the students. Aventura the event was a game based on basic chemistry knowledge and it involved participation of B-Tech students from various colleges. The game consisted of three rounds. A non-technical event named foot maestro (footsal) was conducted as a part of techno cultural fest Astral 2K18. Football Maestro is a futsal competition. Futsal, or futsala, is a variant of association footballplayed on a hard court, smaller than a football pitch, and mainly indoors.

Coordinator

H. o. D

AVENTURA - An event 'Dare to Play with Chemicals"



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING REPORT ON

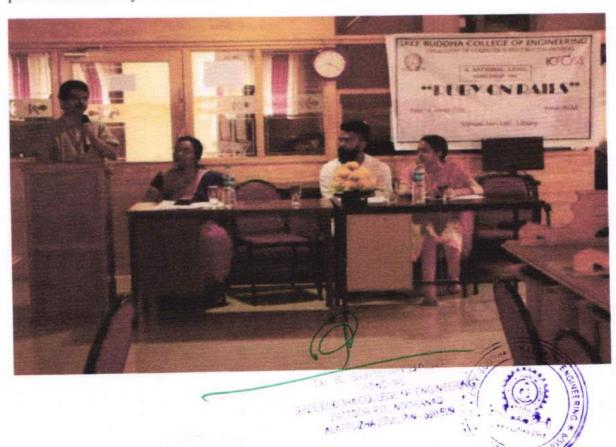
NATIONAL LEVEL WORKSHOP -RUBY ON REELS

A One day national level symposium titled 'WORKSHOP ON RUBY ON REELS' was organised by the Dept of computer science and Engineering of SBCE on 09.03.2018. This workshop was conducted in association with ICFOSS off the job training scheme at our Net Lab.

The event was officially inaugurated by Prof Anil A R, Head of Dept. CSE. The faculties of the session were Ms. Anjana and Mr. Vishnu who are well known trainers of the field working as ruby developers in M/s. Red Pathers, Kakkanadu, Cochin.

We received wonderful participation both internal as well as external candidates of other institutions. The strength was thirty nine (39) of which two 7 were faculties of MACFAST and seven (7) were students of St. Thomas and Saingits college of Enginnering

The sessions has started followed by Registration. Trainers gave immense information from introducing the FOSS technology to the participants. They discussed various job opportunities of ruby on rails as well. Since they have given clear idea from basic of Ruby to hands on training of the technology, all the participants got collective and useful information about the title. Major achievement of the workshop was everyone explore the opportunity to develop their own app using ruby on rails technology. We received good feedback about the event and the way of organising by our department. The workshop was satisfactorily completed at 4.00 p.m with a validitory function and certificate distribution.



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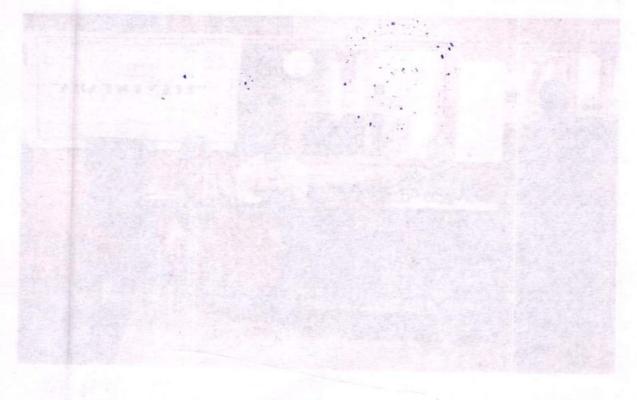
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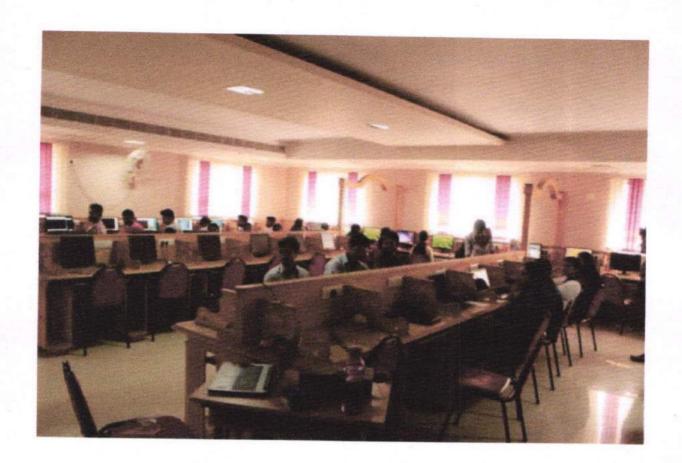
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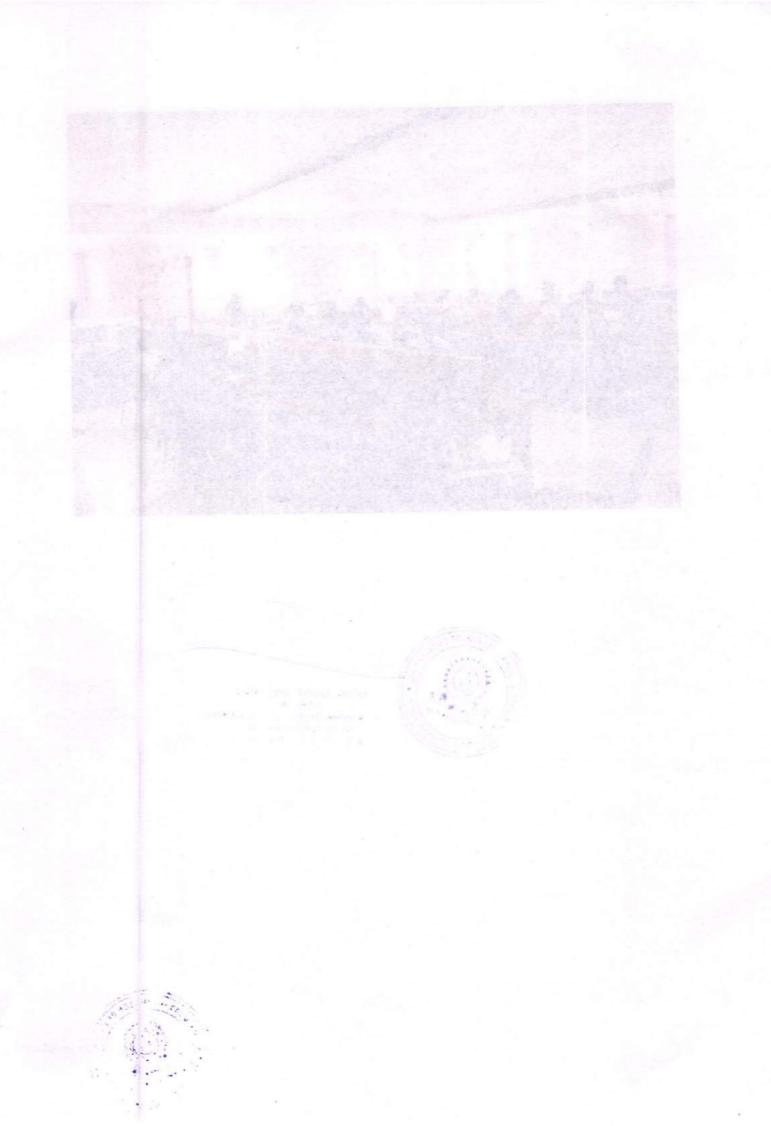
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP ON 'ETHICAL HACKING'

REPORT

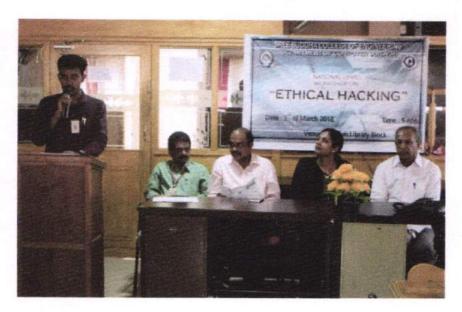
A National Level Workshop on 'ETHICAL HACKING' was organized by Department of Computer Science & Engineering of SBCE in association with Computer Society of India Division II, on 3rd of March 2018 for the B. Tech students. The inaugural function was held at NET Lab, Library Block. Prof. Anil A. R., HOD-CSE welcomed the gathering. The Workshop was inaugurated by Sri. K. K. Sivadasan, Treasurer, Sree Buddha College of Engineering. The Presidential Address was delivered by Dr. S. Suresh Babu, Principal, Sree Buddha College of Engineering. Mr. Arun .P .S, Workshop coordinator proposed the Vote of Thanks.

The sessions were led by Ms. Suma R, an experienced, skilled information security Entrepreneur/Evangelist/trainer with more than 7 years of experience in the Information technology field. 45 participants from different colleges attended the workshop. The morning session focused more on networking fundamentals and basics of ethical hacking using 'Kali linux' and 'Windows XP'. The afternoon session focused on practical sessions on hacking android mobile phones and web sites and about different hacking tools. Hands-on sessions were very informative to participants.



Welcome speech by Prof. Anil A R, HOD, Dept. OF CSE

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Vote of thanks by Mr. Arun .P .S, Asst. Prof., Dept. Of CSE, SBCE



Participants of workshop



DEPARTMENT OF BT&BCE ACTIVITY REPORT

TWO DAY WORKSHOP ON "BIOTECHNOLOGICAL INTERVENTIONS IN THE CURRENT WORLD", (21-22, May 2018)

The Biotechnology Union for Development of Society (BUDS), Department of Biotechnology & Biochemical Engineering, SBCE, Pattoor organized a two day workshop "Biotechnological interventions in the current world" on 21-22, May 2018. This two day workshop focused on accentuating the role of biotechnology and its interventions in daily life. The students who participated were from 10th, 11th and 12th classes of the near schools.

DrRenu G, Post Doctoral fellow at American University of Sharjah inaugurated the program and gave a talk on recent trends in nanotechnology. Treasurer K.K Sivadasan felicitated the program.Dr J R Anoop Raj (HoD) gave a talk on "Recent trends in Biotechnology". On the second day Principal, Dr. S Suresh Babu distributed the certificates to students.





Inauguration session and staff along with the students participated in the program

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SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR DEPARTMENT OF BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING



ENVIRONMENT DAY CELEBRATIONS

The Institution of Engineers (India) students Chapter of Department of Biotechnology and Biochemical Engineering, Sree Buddha College of Engineering and The Institution of Engineers (India) Kollam Local Centre jointly organized one day Seminar on the topic "Environmental Challenges-ways to connect with nature" on 5th June 2018 in the seminar hall, Civil Block, SBCE, Pattoor. Dr. Thankamony (Retd) of the Environmental Engineering Division of College of Engineering, Thiruvananthapuram (CET) (Indira PriyadarshiniVrikshamitra Award winner a national honour for tree lovers, for the year 2002) inaugurated the function. Subsequently, Er.Sivadasan.K was inaugurated a good initiative from the college students - bottle gardening and plantation of medicinal plants in the reusable plastic bottles.



Prof. Thankamanny was inaugurating world environment day celebration

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SREEBUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF MECHANICAL ENGINEERING



Report of the One Week Faculty Development Programme on Advanced Energy Engineering and Technology during 02-06 July 2018

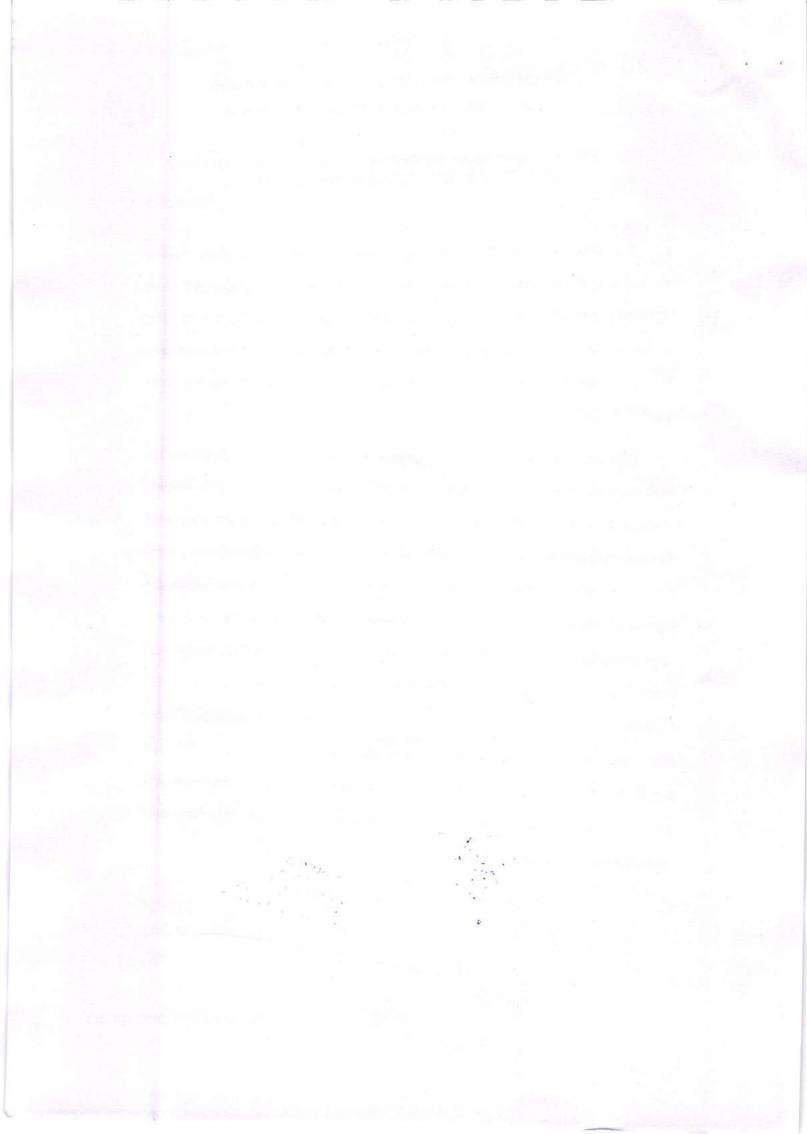
09-07-2018

The Department of Mechanical Engineering organized a one week Faculty Development Programme on "Advanced Energy Engineering and Technology" during 02-06 July 2018 at CSE seminar hall of Sree Buddha College of Engineering, Pattoor. This FDP mainly covered the concepts of Recent Advances in Renewable Energy Technologies, Energy management, Energy Storage, Application of Carbon Nanotubes in energy systems and Energy audit.

The workshop started with an inaugural function in the morning on 2nd July 2018. The workshop was inaugurated by Mr. A. Santhosh, CEO, Athul Energy Systems & Consultants, Thrissur. There were two sessions every day for four days as given in the Programme Schedule. The resource persons of various sessions were Mr. A. Santhosh (Athul Energy Systems & Consultants), Dr. Sujith Kumar C. S. (NIT Calicut), Dr. M. Eswaramoorthy (ACS College of Engineering, Bengaluru), Prof. Johnson Y (UKF College of Engineering and Technology, Kollam), Dr. Anu Nampoothiri (UKF College of Engineering and Technology, Kollam), Dr. M. S. Senthil Saravanan (Sree Buddha College of Engineering Pattoor), and Dr. Trijo Tharayil (Sree Buddha College of Engineering Pattoor). The participants included faculty members from various engineering institutes across India. There was an Industrial visit to NTPC, Kayamkulam on the last day. Individual feedback of participants was collected and participation certificates were issued on the last day. The workshop came to an end with a closing ceremony in the evening.

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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

TWO DAY WORKSHOP ON "3D PRINTING AND COORDINATE MEASURING MACHINE"

26th and 27th July 2018

Department of Mechanical Engineering, Sree Buddha College of Engineering organized a Two Day Workshop on "3D Printing and Coordinate Measuring Machine" in association with QUOIN Mechanics, a startup company from Trivandrum. The Inaugural function was conducted at Seminar hall, Mechanical block. Prof. Anilkumar A V, HoD, gave the welcome note, Principal Dr. S. Suresh Babu gave the Presidential address and Shri K K Sivadasan, Treasurer, and Sree Buddha Educational Society inaugurated the function by giving the Inaugural address. Dr. Saji Varghese, Professor felicitated the function and Vidya V, Assistant Professor gave the vote of thanks.

The first day of the workshop consisted of lecture sections on "Coordinate Measuring Machine" handled by Vidya V and on "3 D Printing" by Vaisakh.Y, Assistant Professors, Department of Mechanical Engineering, Sree Buddha College of Engineering, Pattoor. The second day consisted of hands-on training on Mitutoyo Crysta Plus CMM, SD 300 Pro RPT Machine, Plycast Fused Deposition type 3D Printer which was handled by Niju Thomas, CEO, Quoin Mechanics. There were 43 participants, out of which 5 were from other Engineering Colleges.

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Sree Buddha College of Engineering, Pattoor

Department of Biotechnology and Biochemical Engineering

ONE DAY SEMINAR ON "SAY NO TO DRUG -AN AWARENESS PROGRAMME"

Report

Drugs are a kind of psychoactive substances consumed to change the way they feel, behave or think. Drug abuse is a patterned use of substance in which the user consumes the substance in amounts or with methods neither approved nor supervised by medical professionals. Use of drugs may lead to criminal penalty in addition to physical, social and psychological harm, both strongly depending on local jurisdiction. To educate youth about the negative effects of drug addiction, Department of Psychiatry, Josco College of Nursing and Department of Biotechnology & Biochemical Engineering, Sree Buddha College of Engineering jointly organised a seminar on SAY NO TO DRUG –an awareness programme on Monday, 6th August, 2018. Dr. Anoop Raj J R, Head, Department of Biotechnology & Biochemical Engineering, welcomed the gathering. Dr. S Suresh Babu, Principal, Sree Buddha College of Engineering delivered presidential address. Sri. K K Sivadasan, Treasurer, Sree Buddha Educational society inaugurated the seminar. Ms. Jyothiz George, Josco College of Nursing gave a technical talk on the factors affecting drug abuse and impact of drug usage. She also conveyed awareness about the negative repercussions of drugs so as to discourage their use. It was a very informative session to the students. Dr. Malu Ravi, Seminar coordinator proposed the vote of thanks.

Coordinator

Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING

PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 698 529 H o D

ENERGY & ENVIRONMENT CONSERVATION CLUB ACTIVITY REPORT-2018

ONE DAY PROGRAM ON "CLEAN KERALA"

After the flood effect in Kerala, EEC club of Department of BT&BCE organized one day cleaning program in the campus for all batches of BT&BCE student on 10th September 2018.Students and staff of the college actively participated in cleaning the campus.





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PATTOOR P.O. NOORANAD

SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT

As part of Design project subject to the S5 students of KTU, the Department of Computer Science and Engineering of Sree Budha College of Engineering has arranged and successfully completed a training session for the topic "DEVELOPMENT LIFE CYCLE OF A SOFTWARE- AGILE SCRUM MODEL" on 13.09.2017 from 10.00 a.m. to 1.30 p.m. at Seminar Hall of the Department. The programme was arranged as an activity of CSI (Computer Society of India) Student chapter, SBCE Pattoor. The internal faculty Ms. Keerthi A S Pillai, Asst. Professor of the Department was the co-ordinator of the programme. Out of 52 students 39 students attended the programme.

The resource person was Mr. Arun, Software Developer at Linways Technologies Pvt. Ltd. He has handled session on the various steps of the development of a software in an IT firms. He has given a clear idea about how the Design of a project can be formed. Since this was an interactive session, all students attended the session got an idea and knowledge on the design of a software.

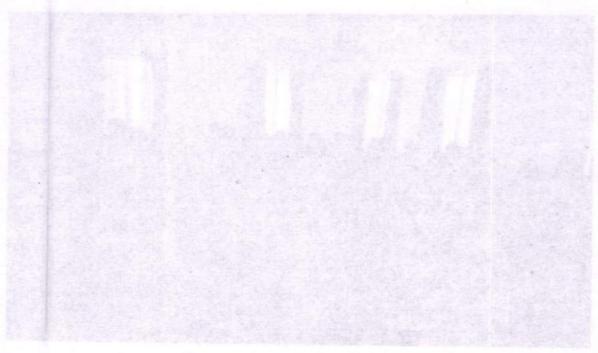


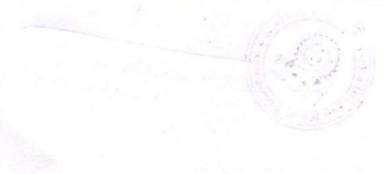
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPLETERSCHARFING REPORT

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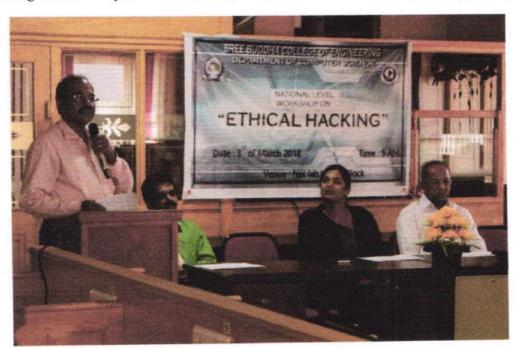
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Inaugural address by Sri. K K Sivadasan, Treasurer, Sree Buddha College of Engineering



Presidential Address by Dr. S Suresh Babu, Principal, Sree Buddha College of Engineering

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SREEBUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF MECHANICAL ENGINEERING



Report of the One Week National Workshop on Design of Experiments and Optimization Techniques during 14-18 May 2018

23-05-2018

The Department of Mechanical Engineering organized a one week National Workshop on "Design of Experiments and Optimization Techniques" during 14-18 May 2018at Library seminar hall of Sree Buddha College of Engineering, Pattoor. The objective of the workshop was to enrich the participants with the knowledge on the use of Design of Experiments as a useful research tool as well as to introduce them to various optimization techniques like Nature Inspired Algorithms, Calculus of Variance, Teaching Learning Based Optimization (TLBO) Algorithm etc. The content of the workshopwas framed to suit audience from any discipline of engineering.

The workshop started with an inaugural function in the morning on 14th May 2018. The workshop was inaugurated by Dr. D. Bijulal, Associate Professor, College of Engineering, Trivandrum. There were two sessions every dayfor five days as given in the Programme Schedule.

The resource persons of various sessions were Dr. S. P. Sivapirakasam (NIT Trichy), Dr. K. R. Balasubramanian (NIT Trichy), Dr. D. Bijulal (College of Engineering, Trivandrum), Dr. K. Sunil Kumar (College of Engineering Adoor) and Dr. K Sunil Kumar (College of Engineering Adoor). The number of registered participants was 81 which includes faculty members, research scholars, PG and UG students from various departments and institutes across India. There was a scholars, PG and UG students from various departments and institutes across India. There was a collected and participation certificates were issued on the last day. The workshop came to an end with a closing ceremony in the evening.

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ENGINEER'S DAY CELEBRATION

Sree Buddha College of Engineering, Pattoor celebrated the 51st Engineer's day on September 18, 2018. The Institution of Engineers (India) students Chapter of Department of Biotechnology and Biochemical Engineering, Sree Buddha College of Engineering and The Institution Of Engineers (India) Kollam Local Centre jointly organized a one day Seminar on the topic "Kerala Flood 2018 & Flood Management in Kuttanad Region" as part of the celebration. Dr. J R Anoop Raj, Head, Department of Biotechnology and Biochemical Engineering welcomed the gathering and the function was inaugurated by Shri.K.K.Sivadasan, Treasurer Sree Buddha Educational society. The invited speaker for the day was Dr. Gopakumar R, Professor, Department of Civil Engineering, Sree Buddha College of Engineering Pattoor. Mr. Madhav K (IE(I), College Coordinator) felicitated the program and Dr. Malu Ravi proposed vote of thanks. The lecture was followed by ideathon contest for the students on the theme "Kayakalpa- An ode to mother nation".







SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR DEPARTMENT OF BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING



"JEEVAJALA"-WATER ANALYSIS CAMP

Department of Biotechnology & Biochemical Engineering conducted a drinking water quality monitoring camp "Jeevajala" on 27th and 28th September 2018 at Pandalam in association with Pandalam municipality and water treatment Plant, Mangaram, to analyse the water quality in the flood affected areas in and around Pandalam. Analysed around 200 samples from nearby areas. The camp was inaugurated by Vice chairperson, Pandalam municipality



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SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING REPORT ON

NATIONAL LEVEL WORKSHOP ON LATEX AND TECHNICAL WRITING

One-day national level symposium titled "WORKSHOP ON LATEX AND TECHNICAL WRITING" was organized by the Department of Computer science and Engineering (CSE) of Sree Buddha College of Engineering (SBCE) for the final year UG Students on 28.09.2018. This workshop was conducted in association with ICFOSS off the job training scheme at the Systems Lab, Main Block of college building on 28.09.2018. The faculty of sessions was Prof. Gopu Darsan, Assistant Professor, Department of CSE, SBCE. The detailed report of workshops is as follows.

The event was officially inaugurated by Dr. S. V. Annlin Jeba, Head of Dept. of CSE by 8.30 a.m. and the contestant's strength was forty-five (45) from the final year UG students of various department of our institution.

The sessions has started followed by Registration. We received superior feedback about the event. The first day was satisfactorily completed at 4.00 p.m with a validatory function and certificate distribution to the participated 45 students studying in Final year of B Tech batch.

The resource person gave immense information from introducing the FOSS technology to the UG students of SBCE. He discussed various advantages and possibility of Latex in technical writing. Presented the methodology to overcome the difficulties faced during the report writing using MS Word. Expressed typical examples about IEEE journal writing and how the reference shall be added automatically to the Thesis report and Journal paper. Explains the basics of technical writing using Latex to enable the participants to create their own report during the hands-on training session and hence the workshop was a fruitful program in terms of knowledge sharing and created a platform for the students to work on FOSS technologies.

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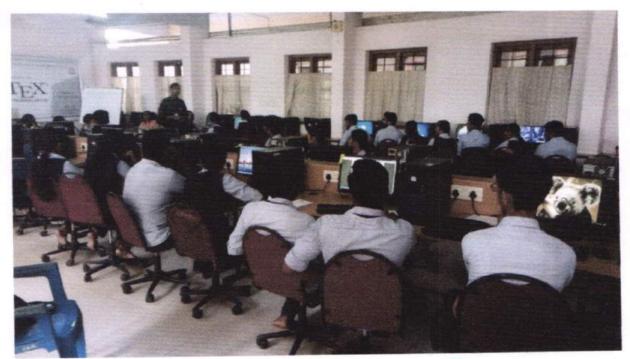
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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

REPORT ON 'WORLD STANDARDS DAY CELEBRATION'

Date: 15/10/18

Venue: Seminar Hall, CS Block

The Institution of Engineers (India) students Chapter of Department of Computer Science & Engineering, Sree Buddha College of Engineering and The Institution of Engineers (India) Kollam Local Centre jointly celebrated World Standards Day on October 15, 2018.

Dr.Annlin Jeba, Head of the Department of Computer Science & Engineering presided the function. The function was inaugurated by Dr. S Suresh Babu, Principal SBCE. In his inaugural address he talked about the importance of International Standards and Fourth Industrial Revolution. Prof. Madhav K, IEI Coordinator, SBCE in his falicitation pointed out the importance of Standards Day. Prof. Dhanya Sreedharan, IEI faculty advisor, Department of Computer Science & Engineering gave the vote of thanks.

As part of this programme, a technical talk on "International Standards and the Fourth Industrial Revolution" was organized. The talk was given by Dr. Manoj A.S, Senior Knowledge Officer, ICT Academy of Kerala at Seminar hall of Computer Science & Engineering block. 60 students attended the function.

He mentioned that Standards were crucial during the First Industrial Revolution, supporting the specialized mass production of manufactured goods, they will continue to play a critical role in this new era and Standards will ensure compatibility and interoperability around the globe, helping society to adopt technologies seamlessly as they emerge in the future. He also mentioned about various international standards such as World Standards Cooperation (WSC), joins (IEC) Commission Electrotechnical International ISO International Telecommunication Union (ITU) in celebrating the collaborative efforts of the thousands of experts worldwide who develop International Standards. He also talked about 4 main characteristics of Industries 4.0 demonstrate the huge capacity that industry and traditional manufacturing have for change such as Vertical networking of smart production systems, Horizontal integration via a new generation of global value chain networks, Throughengineering across the entire value chain and Acceleration through exponential technologies. Dr. S. Spread

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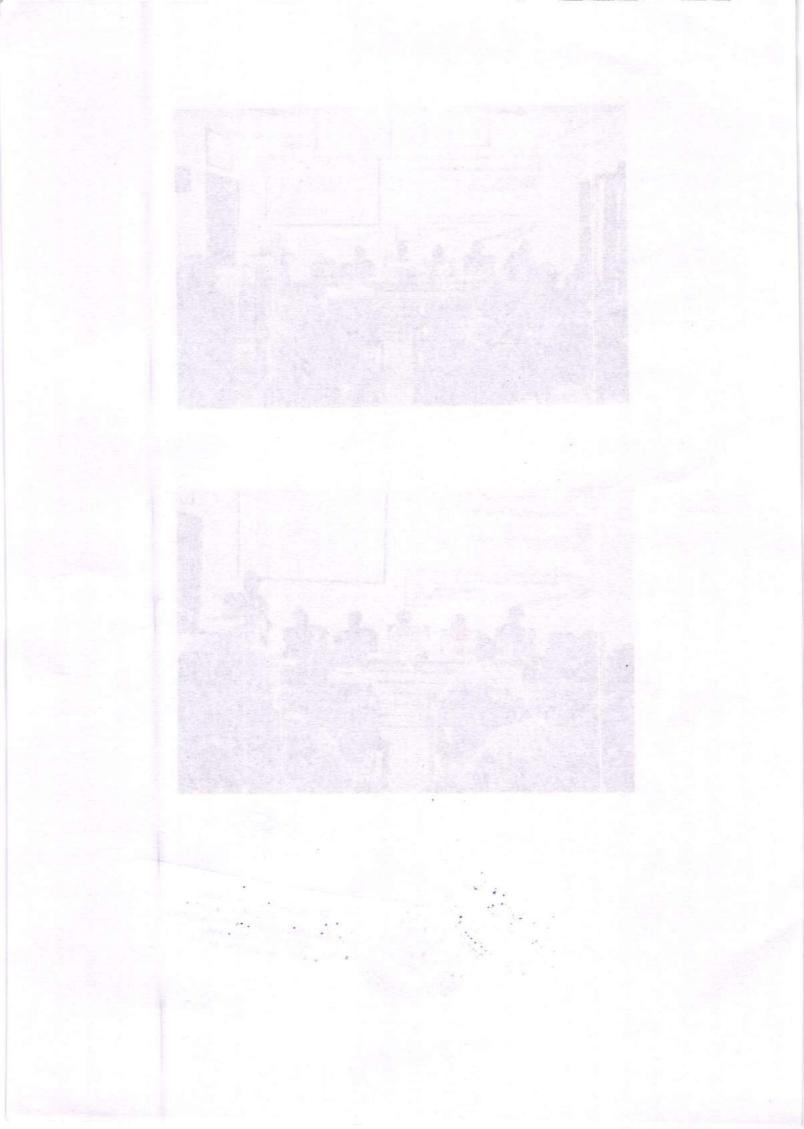








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SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING REPORT ON

NATIONAL LEVEL WORKSHOP -LATEX

One-day national level symposium titled "WORKSHOP ON LATEX" was organized by the Department of Computer science and Engineering (CSE) of Sree Buddha College of Engineering (SBCE) for the PG students on 03.10.2018. This workshop was conducted in association with ICFOSS off the job training scheme at the Seminar Hall of CSE block on 03.10.2018. The faculty of sessions was Prof. Gopu Darsan, Assistant Professor, Department of CSE, SBCE. The detailed report of workshops is as follows.

As usual, started with registration and officially inaugurated by the Principal Dr S Suresh Babu, by 1.00 p.m. The strength of participants was 56 who were enrolled as scholars for the PG program in SBCE. The workshop comes to an end with a validatory function and certificate distribution.

The resource person in two days gave immense information from introducing the FOSS technology to the PG students of SBCE. He discussed various advantages and possibility of Latex in technical writing. Presented the methodology to overcome the difficulties faced during the report writing using MS Word. Expressed typical examples about IEEE journal writing and how the reference shall be added automatically to the Thesis report and Journal paper. Explains the basics of technical writing using Latex to enable the participants to create their own report during the hands-on training session and hence the workshop was a fruitful program in terms of knowledge sharing and created a platform for the students to work on FOSS technologies.

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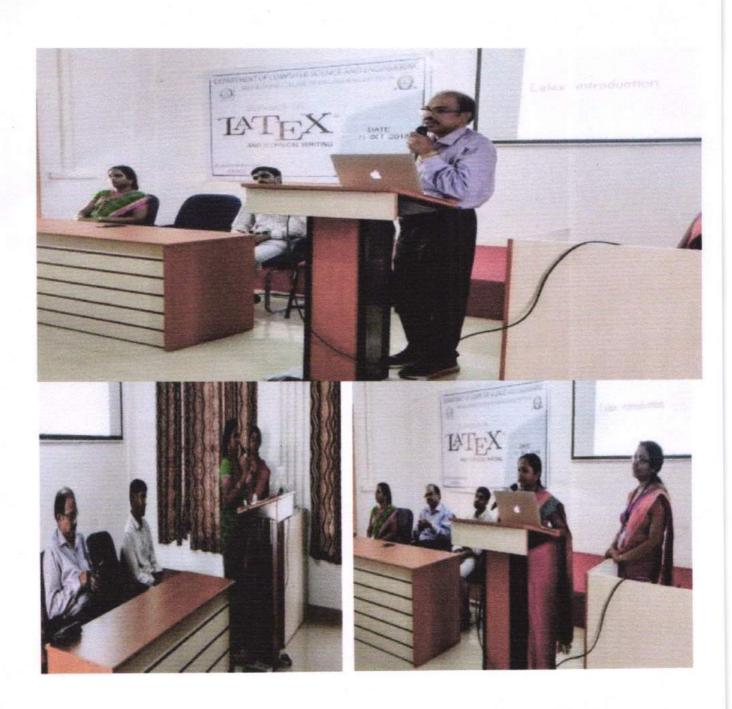
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SREE BUDDHA COLLEGE OF ENGINEERING, PATTOOR DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report

Technical Talk on "Digital Life"

Date: 26/10/2018

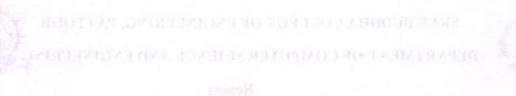
Venue: Govt. VHSS, Chunakkara

Under PRABHODANA-"Enlightenment Through Science", a programme jointly organized by the Kerala State Council for Science, Technology & Environment and Sree Buddha college of engineering, under science popularization scheme, conducted a talk on "Digital Life" by Prof. Gopu Darsan, Department of CSE on 26th October 2018 at Govt. VHSS, Chunakkara.

A technical talk was arranged to the school students of class X of Govt. VHSS, Chunakkara. The objective of program was to aware the student about the recent technology improvements in day to day life. The programme started with a prayer. Dr. S. V. Annlin Jeba, HoD, Dept of CSE welcomed the students and staffs of the school. After the inaugural function Prof. Gopu Darsan, Dept. CSE presented a session for students including the topics like social networks, IoT, artificial intelligence etc. And also made some awareness about the merits and demerits of using social networks such as facebook, whatsapp. After the session we demonstrated some IoT based projects to school students. This programme was very useful and gave some motivations to implement their ideas to real time.

About 150 students attended this programme.

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Barrell 26/19/21/18

Venue: Sovr. VHSS, Chapathana

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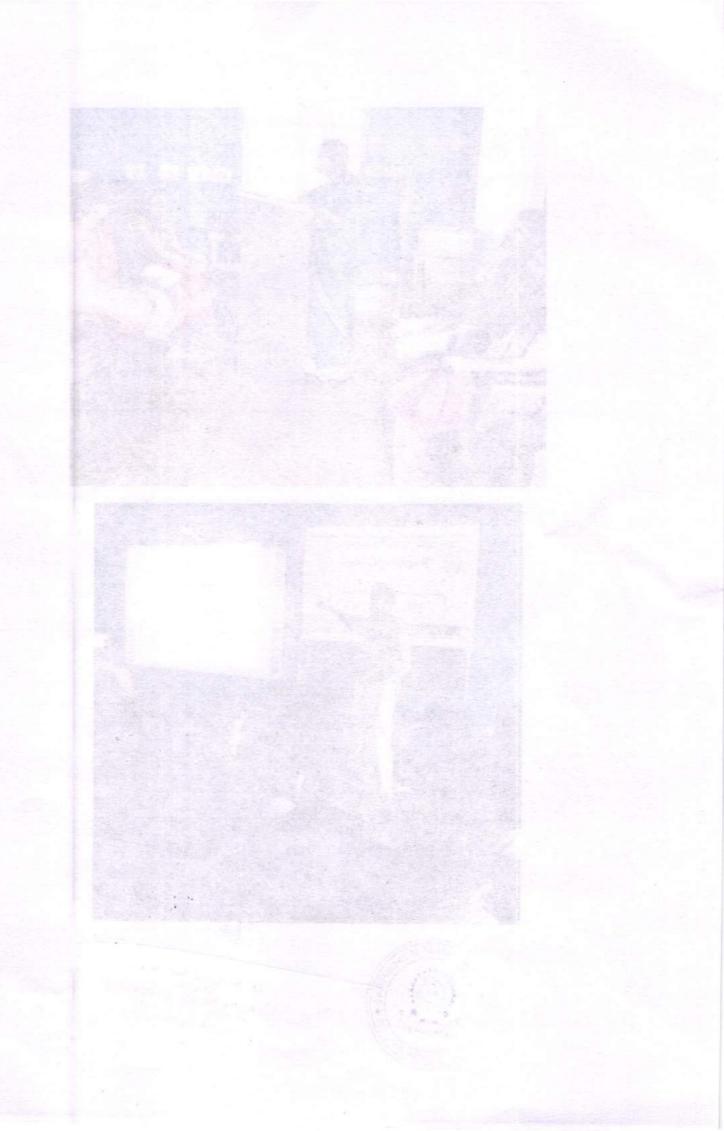








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Department of Biotechnology and Biochemical Engineering

JOURNAL CLUB

Paper Presentation on "Genetic modeling of human Urinary bladder carcinogenesis"

Ms.Gayathri G Kurup of S7 BT&BCE, presented a paper on "Genetic modeling of human Urinary bladder carcinogenesis" on 10th November 2018 in S8 classroom as part of Journal club program. The presentation was very nice and informative. It was a new topic and audience got a chance to know about the genetic modeling in urinary bladder. Finally a lot of queries came from the audience and appreciated her effort by staff. The questions which were asked to her were more from the core part of her presentation, which showed the keen interest of a major amount of students towards her presentation. Thus this presentation also induced more and more students to take up interest towards getting updated about such research activities.





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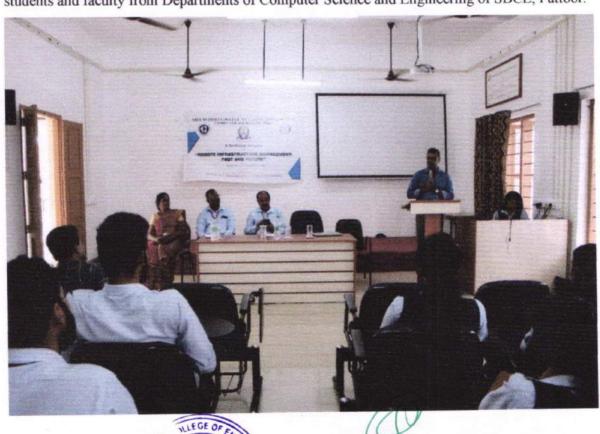
Department of Computer Science and Engineering



Report

CSI Student Chapter, SBCE Seminar on REMOTE INFRASTRUCTURE MANAGEMENT-PAST & FUTURE

A one-day technical seminar on "REMOTE INFRASTRUCTURE MANAGEMENT-PAST & FUTURE" was organized by the Department of Computer Science of Sree Buddha College of Engineering in association with the Computer Society of India on the 21st of November 2018. The seminar was conducted by Mr. Promod Chandran, Service Delivery Manager, Wipro, Infopark, Kochi. Principal Dr. S.Suresh Babu, HOD Dr. S.V.Annlin Jeba and CSI coordinator Dr.A.Jegatheesan were present in this seminar. The seminar was well attended by about 60 students and faculty from Departments of Computer Science and Engineering of SBCE, Pattoor.



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The following topics was covered in this seminar.

INFRASTRUCTURE:

Remote infrastructure management (RIM) is the remote management of information technology (IT) infrastructure. This can include the management of computer hardware and software, such as workstations (desktops, laptops, notebooks, etc.), servers, network devices, storage devices, IT security devices, etc. of a company .When the managed services are delivered remotely from an offshore location ,it is known as Remote Infrastructure Management(RIM).RIM deals with managing IT infrastructure and applications remotely.

EVOLUTION OF IT

The key point of information technology is that it involves the processing of data by computers.IT is a rapidly evolving field, and anyone choosing a career in information technology should expect to encounter change on a regular basis. IT staff often retrain as new technology arrives and older systems are retired.



REMOTE INFRASTRUCTURE MANAGEMENT SERVICES

Infrastructure Management Service (IMS) is a group that provides service to its clients. The IMS group builds IT infrastructure and maintains IT infrastructure. For example, the servers, network, storage all are components of an infrastructure. We build the infrastructure with all the components. Another aspect is technical support. We maintain the already existing infrastructure. Servicing requests, resolving incidents, applying patches and upgrades, recovering from crashes, all come under maintenance.

WHAT CAN BE MANAGED REMOTELY?

Major sub-services included in RIM are:

- · Service desk / Help desk
- · Proactive monitoring of server and network devices
- · Workstation management
- Server Management
- · Storage management
- Application support
- IT security Management and database management.

ITIL CERTIFICATION

ITIL (formerly an acronym for Information Technology Infrastructure Library) is a set of detailed practices for IT service management (ITSM) that focuses on aligning IT services with the needs of business.

IT PMO

A Project Management Office (abbreviated to PMO) is a group or department within a business, agency, or enterprise that defines and maintains standards for project management within the organization. The PMO strives to standardize and introduce economies of repetition in the execution of projects. The PMO is the source of documentation guidance and metrics on the practice of project management and execution.



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ORNITHOPTER WORKSHOP

MOMENT (Association of Department of Mechanical Engineering) activities on year 2018-19 was inaugurated by Mr.Anandchandran, paramotorist (who got famous when he flew a self-made paraglider in Kollam) on 26th November 2018 at the conference hall, library block

The programme wasinaugurated in the presence of Sri. K.K Sivadasan (Treasurer)Dr. S.SureshBabu (Principal), Dr. SajiVarghese (HoD), and ProfessorAmjith T.R (MOMENT coordinator) Heads of various departments, faculties and students of department of mechanical engineering also attended the function.

The inauguration was followed by a two day workshop based on ornithopter is conducted in our college on 26th and 27th November. Around 60 students from our college and nearby colleges attended the workshop. It is an aeromodelling workshop conducted by skifilabs and aerotrix

Ornithopter is an aircraft that flies by using the same mechanism as birds, flapping its wings instead of using engines for propulsion like most of the modern day aerodynamic models.

The first day session consisted of theory behind the design of ornithopter, Basics of Aerodynamics and flapping-wing flight, History of Ornithopters, Types of flapping-wing aircraft, the mechanisms involved in design of flapping-wing flight.

It was followed by ornithopter fabrication sessions, test flight /competition session on second day. Participants who attended the workshop got certificate of completion with unique id from skifilabs and for top performers a certificate of distinction

Workshop encompassed all the concepts and principles involved in the aerodynamics of an Ornithopter. The workshop provided a complete learning experience to the participants.

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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TEQUORA 19

An Technical Expo "Tequora 19" was conducted by the students of Computer Science and Engineering Department in association with CYBORG as a part of the technical Xplore 19 which was inaugurated by Mr. Suresh Kumar, for school students. The expo included recent technologies like IOT projects, Virtual reality, Mixed Reality, OS Evolution, Hardware expo, Augmented Reality, Mini Fablab. More than 1000 students from various schools came for the expo. The School students were given awarenes about various new technologies in Information and technology field. The OS Evolution included the history of operating system and also various operating systems. Almost all the hardware components of the computer were exhibited which included vacuum tubes, Floppy disk, Different harddisk, Mother boards, etc. Various projects done by the students were also exhibited which included Smart door locking system.



Dr. S. SURESH BABU

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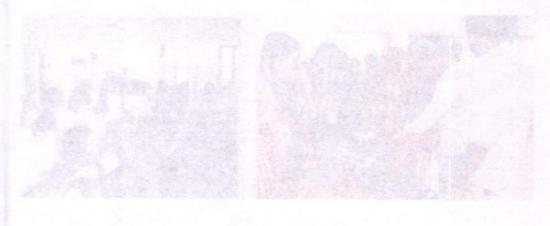
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TEQUORA 19

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3- Day National Workshop on

"Revised Assessment and Accreditation Framework of NAAC"

17th - 19th January 2019

REPORT

Internal Quality Assurance Cell (IQAC) of Sree Buddha College of Engineering organizes a National workshop on "Revised Assessment and Accreditation Framework of NAAC" on 17-19ndJanuary 2019.

The workshop was opened with the welcome note by Dr. Manoj Narayanan Secretary- IQAC in the inaugural session at 9.30 am on 17.01.2019. Dr. S. Suresh Babu, Principal & Chairperson-IQAC explained about the workshop. In his speech, he mentioned about the various programs organized in SBCE to promote awareness about the quality enhancement. The felicitation address was given by Shri. K. K. Sivadasan, Treasurer, Sree Buddha Educational Society. Dr. K. G. Satheesh Kumar, Professor, Amal Jyothi College of Engineering, Kottayam inaugurated the workshop and Dr. M. S. Senthil Saravanan, Coordinator - IQAC delivered the Vote of Thanks.

During 1st session after inauguration, Dr. K. G. Satheesh kumar delivered a plenary talk on IQAC and Accreditation. He explained about the criteria 3, 4 and 5.

In the afternoon, Dr.Sajivarghese, NBA Coordinator of SBCE delivered speech on Outcome based education. In his speech, the need of OBE in higher education sector and the advantages of implementing OBE. Later he gave hands on experience in writing outcomes of the courses offered in Engineering Colleges and explained the mechanism of calculating the level of attainment in each courses.

In day two, Dr. Sudhir, Director, Academic Staff College, University of Kerala gave invited speech on Criteria VI and VII. He explained about the documentary details and preparatory work for NAAC peer team visit. In afternoon session, Dr. Ramesh. U, Director (regional Centre), AICTE presided over the function and gave plenary talk on the impact of Accreditation on the quality of education served by the institution. The third session was handled by Dr. Sreejith Mohan, Associate Professor, Department of Mechanical Engineering SBCE. It was a hands-on training session for calculating the attainment level for each course.

The day three was started with Dr. Suresh Babu, Principal SBCE on preparation of SSR. It was a brain storming as well as training session for the participants. The afternoon session was interaction with participants and the program ended at 3.00 pm with group photo.

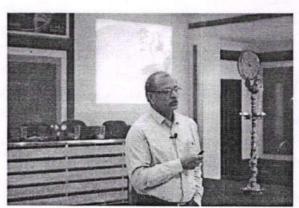
Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING

PATTOOR P.O., NOORANAD ALAPPUZHA (D.St., PIN - 690 529













QUIZ COMPETITION

The civil department association, CASTELLOS conducted a civil engineering quiz competition on 20th February 2019. The competition was conducted in two stages, a preliminary round and a main round. 15 students were selected after the preliminary stage. 6 students were selected after the main round to appear in the quiz competition organized by College of Engineering, Trivandrum and Indian Geo Technical Society. Winner of the college level competition was Parvathy M.S from 6th Semester and the first runner up was Kavya P Kumar from 8th semester. Cash prizes were awarded to the winners by Dr. Gouri Antherjanam, HoD.

Dr. S. SURESH BABU

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REPORT ON

WORKSHOP ON WEB APLLICATION DEVELOPMENT USING PYTHON FLASK

An One day symposium titled 'WORKSHOP ON WEB APPLICATION DEVELOPMENT USING PYTHON FLASK was organised by the Dept of computer science and Engineering of SBCE on 23.02.2019. This workshop was conducted in association with ICFOSS off the job training scheme at our Net Lab.

The event was officially inaugurated by Dr S V Annlin Jeba, Head of Dept. CSE. The resource person for the session was Mr Anish S Nair, M/s. Logix Space Technologies. Pvt. Ltd. Pandalam, Alappuzha.

We received wonderful participation both internal as well as external candidates of other institutions. The strength was Forty Two (39) of which ten (10) were external participants.

The sessions has started followed by Registration. Trainer gave immense information from introducing the FOSS technology to the participants. He discussed various platforms available for web development and gave a brief introduction about that. Since he has given clear idea about the basics of Flask, Jinja and also provide hands on training of the technology, all the participants got collective and useful information about the title. He also gave a brief introduction about how to deploy a web site using a live server and demonstrates the steps to deploy an application to the server. Major achievement of the workshop was everyone explore the opportunity to develop their own app using Python with Flask. We received good feedback about the event and the way of organising by our department. The workshop was satisfactorily completed at 3 .30 p.m with a validatory function and certificate distribution.

REPORT ON

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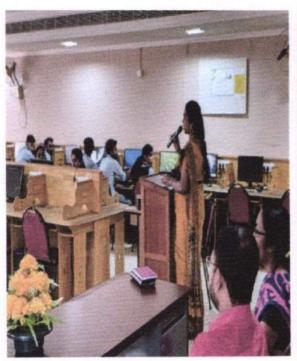
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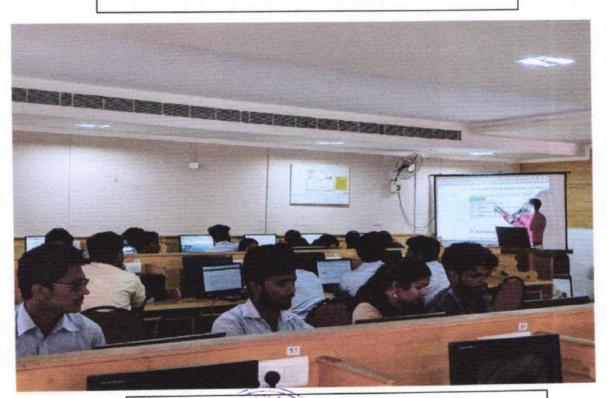
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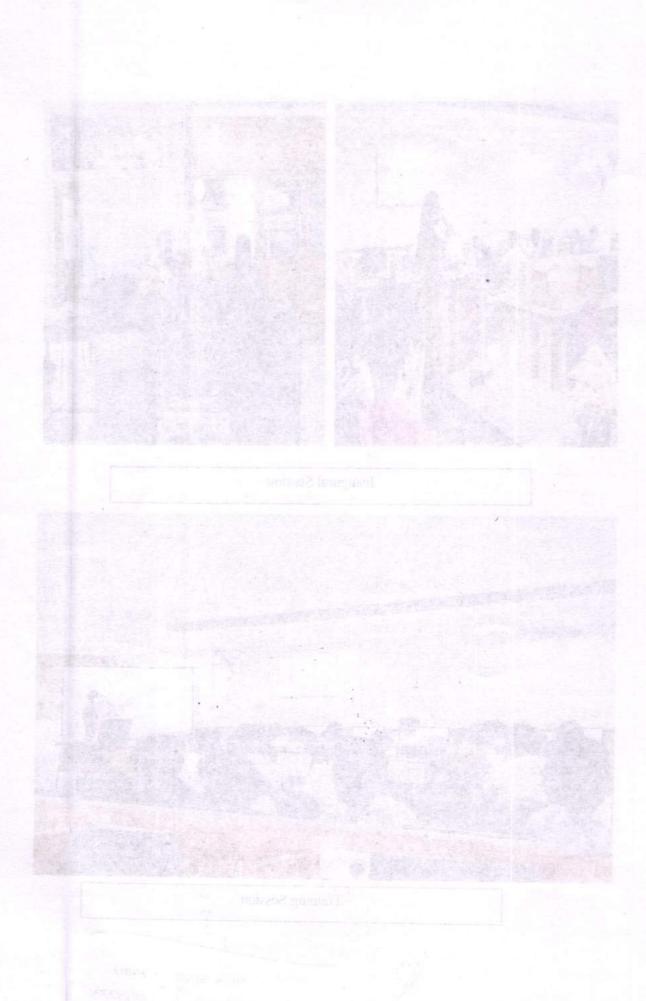


Inaugural Session



Training Session

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Training Session



WORLD WATER DAY CELEBRATION

Castellos, organized a technical talk as part of "World Water Day" on 22nd March, 2019. The technical session was led by Dr. R Gopakumar, professor department of civil engineering on the topic "Hydrological modifications of Vembanad lake water system and the resulting environmental issues". He started with a brief introduction about wetland, their functions, definitions and types.

The introduction part opened an interesting door towards the topic and the session completely focused on Vembanad wetland. if the rivers are not flowing properly, it will adversely affect the operation of Cochin harbor since Vembanad is the deltaic region of Meenachil, Muvattupuzha, Manimala, Pamba and Achancovil to Arabian Sea.



SPOT PHOTOGRAPHY COMPETITION

ACTIVITY REPORT

Dr. S. SURESH BABU .

Dr. S. SURESH BABU .

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WORLD WATERDAY CELEBRATION

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SPOT PHOTOGRAPHY COMPETITION

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As part of World Water Day, an Intra college spot photography contest was conducted in the banner of Castellos on 21st March 2019. About 35 contestants participated. The theme was "Leaving no one behind" which was the theme for 2019 world water day. Thejus Sajeev of 4th semester Mechanical Engineering Department and Adwaith J Anil of of 4th semester Civil Engineering Department were the winners. The prizes of contest were presented by Dr. Manoj Narayanan, Associate Professor, Department of Bio technology and Bio Chemical Engineering.





DI. S SURESH BABU

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ACTIVITY REPORT

SREE BUDDHA COLLEGE OF ENGINEER
PATTOOR PO... NOORANAD
ALAPPUZHA (DIST), PIN - 690 529

POSTER MAKING COMPETITION

Poster Making Competition was conducted on 21st March 2019 over the theme "Leaving no one behind". About 29 contestants participated. First prize was given to Mr. Justy John of Electronics and Communication Department and second prize was won by Ms. Greeshma Giridhar of Civil Engineering Department. The prizes were presented by Dr. Gouri Antherjanam, Head of Civil Engineering Department and Dr. R. Gopakumar, Professor, Department of Civil Engineering.

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POSTER MAIDING COMPETITION

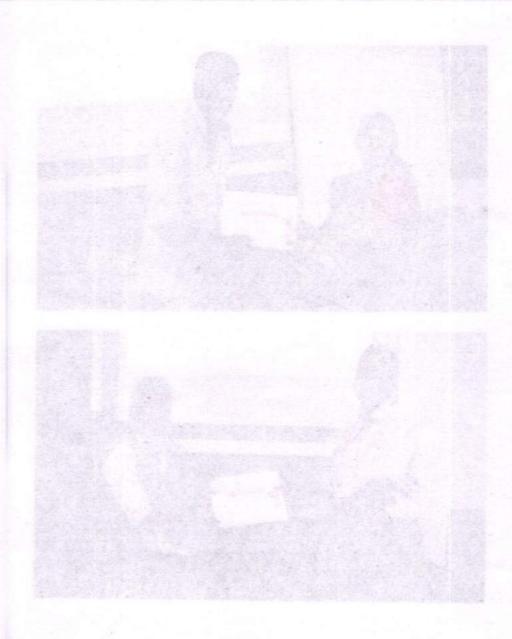
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TWO DAY WORKSHOP ON

QUANTUM GIS

Department of Civil Engineering, Sree Buddha College of Engineering, Pattoor organised a two day workshop on open source software, on GIS 'Quantum GIS' for sixth semester students of Civil Engineering on 26th and 27th February 2019. The workshop was conducted in association with Institute of Engineers, India (IEI) and Kerala State IT Mission (KSITM). Resource persons for the training program were consultants of Kerala State IT Mission. 69 students have registered and attended the workshop.



Mr. B.K. Jayaprasad from KSDI handling the introductory session.

Workshop started with the felicitation from Head of the Department, Dr. Gouri Antherjanam. The classes started by 9.00am with the introductory lecture by Mr. B. K. Jayaprasad, consultant of KSIT. He handled classes on basic concepts of GIS – its overview and application areas the software. Another Trainer Mr. Tanish Brown, gave introduction on Kerala State Spatial Data Infrastructure (KSDI) and Kerala Geo portal. Ms. Kala Raj took classes on web and mobile GIS applications, spatial analysis of data etc.

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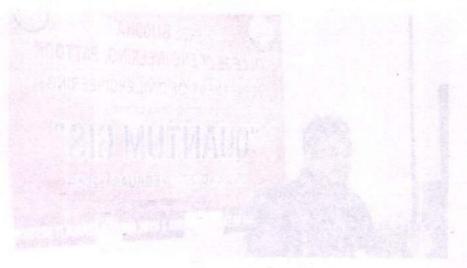
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Practical Session of the workshop

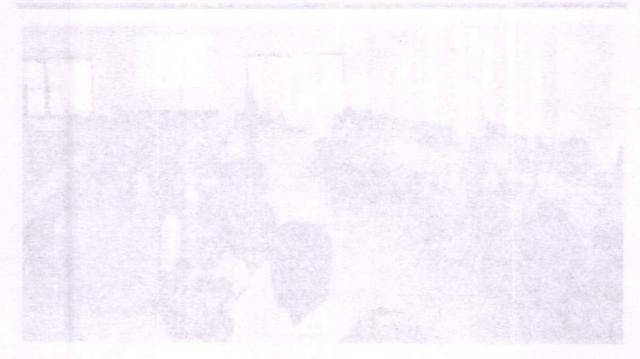


HoD Dr. Gouri Antherjanam with the trainers and coordinators.

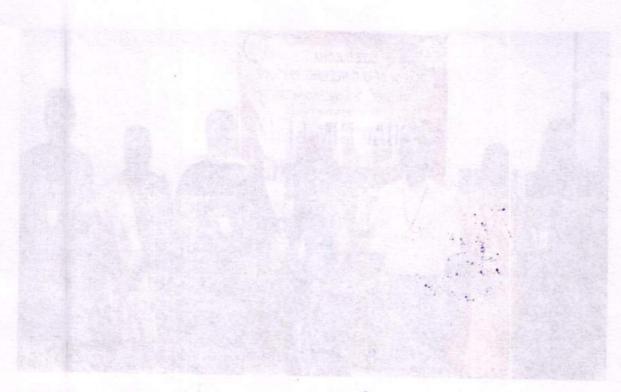
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After lunch, students were introduced to practical sessions on using the software, various tool bars, creating different features, Geo referencing, projection, attribute entry, spatial analysis, lay out generation and exporting for publication etc. Practical sessions continued on the second day also. It ended by 4.00pm on 27th February with the valedictory function. Certificates were also distributed.

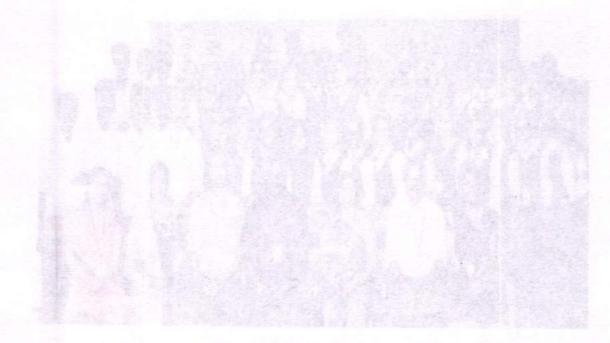


Participants of the workshop with Trainers, HoD and Coordinators

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TECHNICAL ACTIVITY CARRIED OUT BY KOLLAM LOCAL CENTRE

Name of Centre

Kollam Local Centre

| itle of Activity Division | | Celebration Of National Security Day 2019 | | |
|----------------------------|------------|---|---|--|
| | | Statutory Days & Student Chapters | | |
| Date: | 25/03/2019 | Venue | Sree Buddha College of Engineering, Pattoor | |



Arrangements for the workshop made in Seminar Hall, Computer Science and Engg Block.



Prayer at the beginning of inaugural session.



Welcome speech by Prof. Dhanya Sreedharan, IEI Faculty Advisor, Department of Computer Science & Engineering, SBCE



Prof Anil A R, Associate Professor, Dept of CSE, SBCE delivering the inaugural address

| | | omnuter Seemon | Semmar Hall, (Block: |
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| | | | |
| - 2 Prof. Ami. A. E. Associate Professor, Dept. of CSP, Stitute delivering the manghed address | | | |
| Sandar Magning and July Sandar Sandar | | | |
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Workshop Session by Ms.Divya R, Research Assistants, Amrita Center for Cyber Security, amritapuri Campus

Workshop Session by Mr.Rahul Mohan, Research Assistants, Amrita Center for Cyber Security, amritapuri Campus



Vote of Thanks by Prof. Dhanya Sreedharan, IEI Faculty Advisor, Department of Computer Science & Engineering, SBCE.



Concluding Session of the workshop.



Report

Sree Buddha College of Engineering, Pattoor celebrated the World Standards Day on October 15, 2018. The Institution of Engineers (India) students Chapter of Department of Computer Science & Engineering, Sree Buddha College of Engineering and The Institution of Engineers (India) Kollam Local Centre jointly celebrated National security Day.

In association with this programme one day workshop on "Cyber Security" was conducted by Mr.Rahul Mohan and Ms.Divya R, Research Assistants, Amrita Center for Cyber Security, Amritapuri Campus, on 25th March 2019 at Seminar hall of Computer Science & Engineering block. 60 participants attended the function. Prof. Dhanya Sreedharan, IEI faculty advisor, Department of Computer Science & Engineering delivered welcome speech. Prof.Anil A R, Associate professor and former HoD inaugurated the function. In his inaugural address he talked about the importance of security day and various research areas in Cyber Security.

Prof. Dhanya Sreedharan, IEI faculty advisor, Department of Computer Science & Engineering gave the vote of thanks.

The function continued with a workshop on "Cyber Security" was conducted by Mr.Rahul Mohan and Ms.Divya R, Research Assistants, Amrita Center for Cyber Security, Amritapuri Campus.

In the workshop both of them demonstrated various tools that can be used in different area of Cyber Security.

Fourth Semester students have attended the workshop so that they could get awareness on various research areas in cyber security. In the workshop they have got an awareness in various operations like SQL injection in Cryptography. Most of them expressed their interest in selecting Cyber Security related Projects as their final year projects after attending this workshop.

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Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O. NOORANAD ALAPPUZHA (Dist), PIN - 690 529

REPORT ON

WORKSHOP ON WEB APPLICATION DEVELOPMENT USING NODE JS

An One day symposium titled 'WORKSHOP ON WEB APPLICATION DEVELOPMENT USING NODE JS was organised by the Dept of computer science and Engineering of SBCE on 20.03.2019. This workshop was conducted in association with ICFOSS off the job training scheme at Project Lab, Computer Science Block.

The event was officially inaugurated by Dr S V Annlin Jeba, Head of Dept. CSE. The resource person for the session was Mr Anish S Nair, M/s. Logix Space Technologies. Pvt. Ltd. Pandalam, Alappuzha.

We received wonderful participation both internal as well as external candidates of other institutions. The strength was Thirty (30) of which eight (8) were external participants.

The sessions has started followed by Registration. Trainer gave immense information from introducing the FOSS technology to the participants. He discussed various platforms available for web development and gave a brief introduction about that. Since he has given clear idea about the basics of Node JS and Express and also provide hands on training of the technology, all the participants got collective and useful information about the title. Major achievement of the workshop was everyone has explored the opportunity to develop their own app using Node JS. We received good feedback about the event and appreciated the way of organising the event by our department. The workshop was satisfactorily completed at 3 .30 p.m with a validatory function and certificate distribution.

DI. S. SURESH BABU

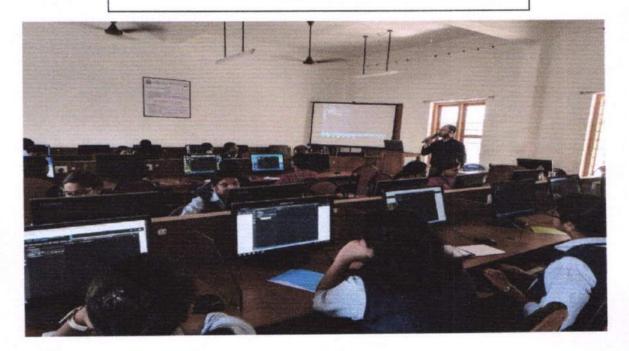
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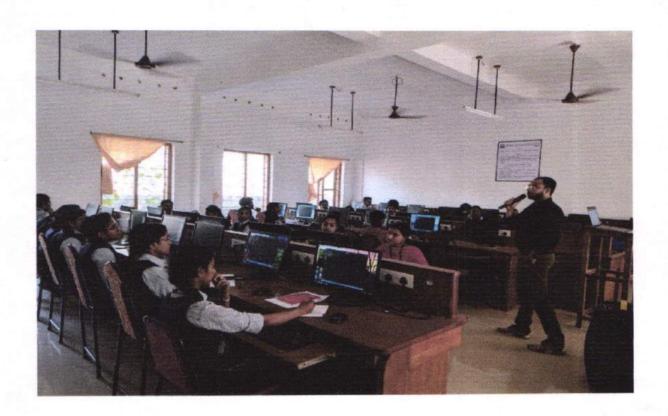
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Inaugural Session



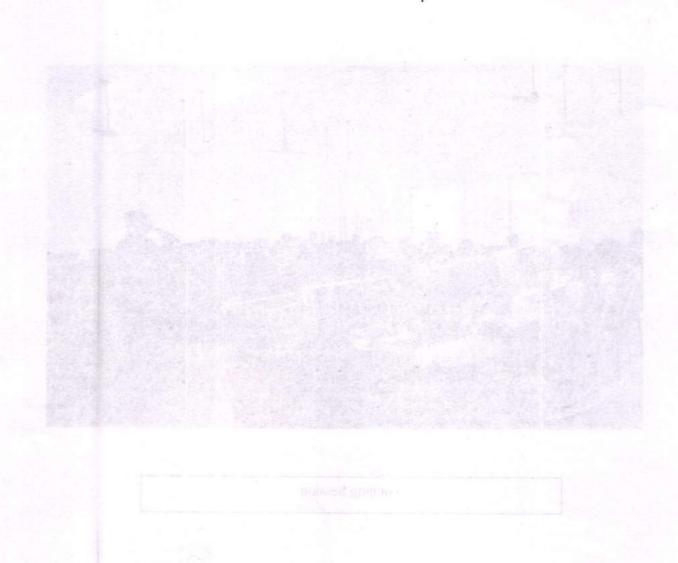




Training Session

Dr. S. SURESH BABU
PRINCIPAL
SREE BUDDHA COLLEGE OF ENGINEERING
PATTOOR P.O., NOORANAD
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Prof. Gopu Darsan, Asst Professor giving Lecture on LATEX



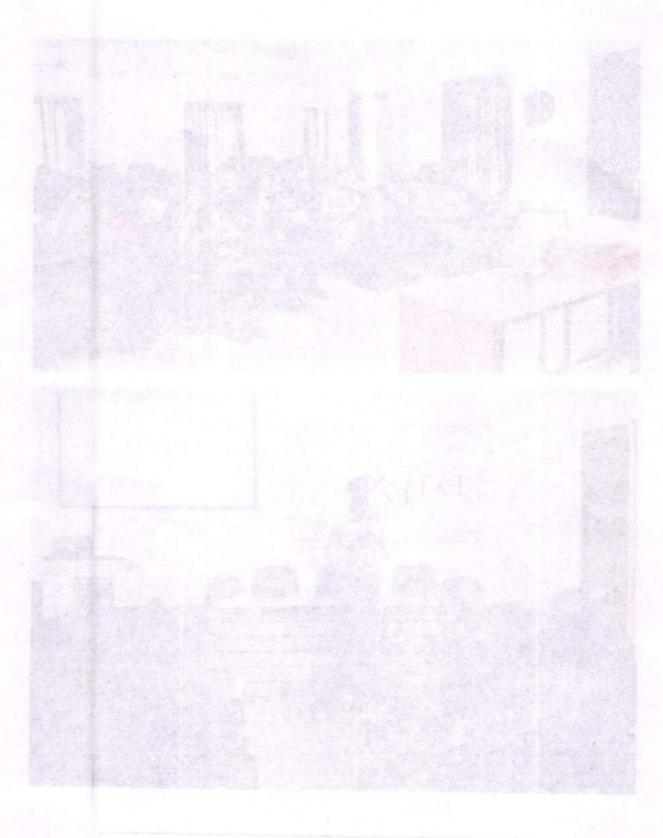
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DEBATE COMPETITION

As part of the inauguration program, CASTELLOS conducted a debate competition. Seven teams from various departments participated in the competition. The event was judged by Dr. Manoj Narayan, Associate professor of Biotech- nology and Biochemical Department, Asst. professor Ashok Mathew of civil department and Ms. Lekshmi R Asst. pro- fessor of Computer science department. Four teams were selected for the final round. Certificates and Cash prize were given to the winners.





DEBATE COMPLETION

As part of the (congertuous pregnant U.STELLOS conducted a debate competition) from various departments participated in the connectation. The exect was judged by Dr. Maney Newsyam, Associate professor at thirteels malogy and thicknessed displacement, Assigned professor Asia, a Matheward control of the Landau Mr. Letsland, R. As a pro- fessor of Computer science department. For terms were selected for the month monet. Certificates and Cartificates and Cartificat



STATES VITUATES



THE MAGAZINE

In many ways, a student magazine is the ideal project for language learning. It is a clearly defined end product while there is also a plenty of room for choice regarding contents. The students can focus on individual interests such as sports, computers, the Environment, music, etc. — with obvious motivational benefits — while at the same time working within a clear structure to a common aim. The 'four skills' of reading, writing, listening and speaking are integrated naturally in making of magazine.

This year we decided to introduce a department handwritten magazine for the first time in the history of our Sree Buddha college of Engineering. Our goal was to find the hidden talents of our students and to showcase it in public. The Handwritten magazine was officially published at the

inauguration of association on 21st November 2018.

Dr. S. SURESH BABU

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THE MAGAZINE

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Students from various schools came to visit the expo. For them it was a very exciting and a different experience. Introducing and discussing technical related things seems very interesting.

MAIN ATTRACTIONS OF SAMSKRITHI

FLOATING HOUSE

Floating house was the center of attraction of the expo and got appreciations from everyone. The body of floating house is constructed by using aluminium frame work. Large barrels were used as the base of the floating house and the walls were made using bamboo and dry coconut leaf. The roof was made by using aluminium sheets. It was specially mentioned at the inauguration of the xplore'18. The floating house was selected as the best innovative exhibit of Xplore'18



BAMBOO BRIDGE

A bamboo bridge was made at the entrance of the civil engineering block using bamboo, ropes, etc. It was a special experience for everyone.

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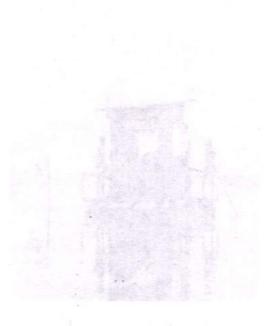
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TREE HOUSE

"Tree houses are the ultimate return to nature" — Pete Nelson, who is an American author and a master tree house builder. Our students built a tree house using treated bamboo which acted as structural member and dry coconut leaves serving as roof. It was an adventurous experience for the students.



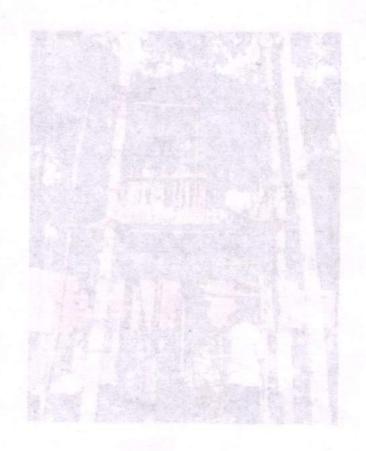
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Page 31

TREE HOUSE

Tree houses are the attenue return to nature! — Pete Nelson, who is an American author and a master tree house hard. And the combon which acted as an element in the house which acted as a medical monder and dry coconar leaves serving as real. It was an adventurous experience for the students.



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Kerala State Council for Science, Technology and Environment

Dr. Ajit Prabhu V. Chief scientist & Head (TDPMD)

No. KSCSTE/2170/2018-ETP

23.11.2018

Sir.

Sub:- Engineering and Technology Programme - Meeting of RC-ETP - reg.

Ref:- i) Your proposal entitled 'Design and development of Low-Fume Green Welding Electrodes'

ii) Minutes of the 18th meeting of RC-ETP held on 11th and 12th October 2018.

This is with reference to your project proposal entitled 'Design and development of Low-Fume Green Welding Electrodes' submitted under Engineering and Technology Programme (ETP) of KSCSTE. The Research Council for Engineering and Technology Programme (RC-ETP) evaluated the proposal and as per reference (ii) cited above, RC-ETP recommended to support the above project, subject to the following.

The financial assistance for the project shall be Rs. 3,00,000/- under the following heads.

| | | 1st year (Rs.) | 2 nd year (Rs.) | Total (Rs.) |
|--------|---------------------|----------------|----------------------------|-------------|
| SI. No | Item | 30,000 | 60,000 | 90,000 |
| 1. | Consumables/Testing | 20.000 | 30,000 | 50,000 |
| 2. | Travel | 20,000 | 20,000 | 40,000 |
| 3. | Contingencies | 30,000 | 30,000 | 60,000 |
| 4. | Testing Charges | 30,000 | 30,000 | 60,000 |
| 5. | Labour Charges | 1,30,000 | 1,70,000 | 3,00,000 |
| | Sub Total | 1,50,000 | -,, | |

The duration of the project shall be two years.

The Research Council made following recommendations:

- The PI should consult an expert from medical field to carry out epidemiological studies of the fumes.
- The PI should thoroughly study the industrial requirement and standards and must develop an electrode that meets the industrial standards. The PI must also be cautious about the cost effectiveness of the developed electrode, so that it is commercially viable.
- The title of the project may be modified as 'Design and development of Low-Fume welding electrode'.
- The PI may carry out research with the equipment already available at NIT Trichy or other similar institutions. The project cost may include the testing charges and avoid purchase of costly equipment.
- Dr. G. C. Mohan Kumar, Professor, Dept. of Mechanical Engineering National Institute of Technology. Karnataka is identified as the mentor for this project. The PI/Researcher should interact with the mentor, until successful completion of the project and subsequent technology transfer. PI should submit list of deliverables for the research work and also milestones of the project with detailed schedule.

If the above is acceptable, you may kindly execute the Terms and Conditions (enclosed herewith) in a non-judicial stamp paper worth Rs.100/- counter signed by the Head of the Institution. I request you to kindly ensure that the PI, Co-PI and Head of the Institution have signed in all the papers of the agreement. You are also requested to incorporate the suggestions and recommendations of the Committee. Yours sincerely.

Thanking you,

Dr. Sreejith Mohan.,

Assistant Professor in Mechanical Engineering,

Sree Buddha College of Engineering, Pattoor. P. O. Alappuzha - 690 529

Sasthra Bhavan, Pattom P.O., Thiruvananthapuram - 695 004, Kerala State, India Tel: 0471 - 2548200-09, EVP - 2543557, 2548222, MS - 2534605, 2548220, CoA - 2543556, 2548248

Fax: 0471 - 2540085, 2534605 e-mail: kscste@gmail.com, www.kscste.kerala.gov.in

Dr. S. SURESH BABU

REE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529

Report On "Advanced Structural Health Monitoring and Its Experimental Applications"

The Department of Civil Engineering, Sree Buddha College of Engineering, Pattoor organized a two day training Programme on "Advanced Structural Health Monitoring And Its Experimental Applications "scheduled from 29th to 30th April 2019, Dr. Gouri Antherjanam, Head of The Civil Engineering Department, formally inaugurated the session. Ms Ritzy R, Assistant professor Civil Engineering Department coordinated the workshop. The target group was first year PG students . 24 PG students of our college attended the training programme.

The resource person was Dr. Akash Rajan, Vibration Analyst CEO, Tyrannus Innovative Engineering & Research Academy (TIERA) CET-TBI College of Engineering Trivandrum. The trainer handled analytical and experimental sessions on application of LAB View software in concrete testing. The course was highly beneficial for PG students for planning ahead their project work and enhancing their research capabilities.



Practical Session of the workshop

Dr. S. SURESH BABU SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529

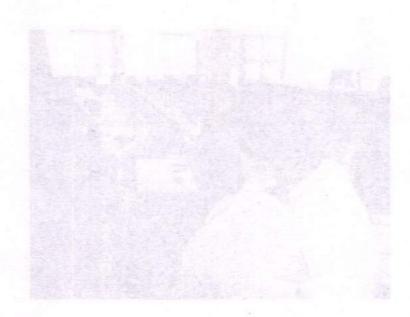


Participants attending software training

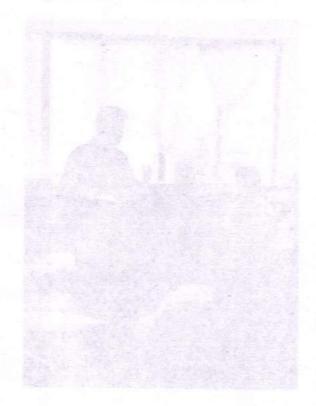


Participants of the workshop with Trainer

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NATIONAL CONFERENCE ON RECENT ADVANCES IN CIVIL ENGINEERING (RACE 2019)

The two day national conference on Recent Advances in Civil Engineering (RACE 2019) is conducted by the Department of Civil Engineering of the Sree Buddha College of Engineering, Alappuzha on 16th and 17th May 2019 as part of the 3rd Annual Conference Series of the institution titled "Engineering Education for Facing the Future (E2F2 2019)". Focal theme of the conference was "Sustainability in Civil Engineering". Sub themes are:

- Structural Engineering & Construction Technology
 - · Structural health monitoring
 - · Advances in concrete technology
 - · Sustainable building construction practices
- Water Resources & Environmental Engineering
 - · Solid waste management
 - · Pollution prevention technologies
 - · Sustainable management of water resources
- Geotechnical & Transportation Engineering
 - Sustainable transport infrastructure
 - · Geo hazards and ground improvement techniques
- GIS Applications in Civil Engineering
 - Civil Engineering Applications of Remote Sensing and GIS

The technical sessions of RACE 2019 conference are held on 16th and 17th May 2019. A total of 34 papers were presented and discussed in 2 technical sessions. Each technical session is

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NATIONAL CONFERENCE ON RECENT ABY ANCESTY CIVIL ENGINEERING RACE 2010

The two day national content are preferred Advances in their trust seeing (RACE 2019) is conducted by the Department of the rose flations College of Furinceinng Alappains on to task (A. Ary, 1919) as part of the "Manuari College Residence Series of the relations of the Standard Residence of the Incidence of the Conference of the Standard Residence of the Conference of the Con

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The testing and resempts of RALE 2019 conservation in the field of the and 17° May 2019. As part of 34 pages were presented and discussed in 2 technical services. Each reclaimed service were presented and the services where the services are services as the services where the services are services as the services where the services are services as the services are services are services as the services are services as th

conducted by an expert panel consisting of an external subject expert as Session Chair and a faculty member of SBCE as Rapporteur. Each technical session started with an introductory speech by the Chair. For each paper, 12 minutes was allotted for oral presentation and 3 minutes for discussion. Details of the subject experts who are invited to Chair the technical sessions and the Rapporteurs are given below.

16 May 2019:

Venue 1

Session Chair:

Dr. B Saraswathi, T K M College of Engineering, Kollam.

Rapporteur:

Dr Gouri Antherjanam, HOD (CE), SBCE, Pattoor

Dr E. K Bhass Professor, SBCE, Pattoor

Venue 2

Session Chair:

Dr. E. V. Nampoothiri, Head (Civil), Sree Buddha College of Engineering, Pathanamthitta Rapporteur:

Ms. Ritzy R, Assistant Professor, SBCE, Pattoor

Ms. Pradeep P Assistant Professor, SBCE, Pattoor

The technical sessions for paper presentations and discussion are completed by 4.00 PM on 16 May 2019. In each technical session, the presented papers are evaluated and best papers selected based on the content, novelty of work, presentation skill and response of the participant. Conference committee analysed the results of evaluation of papers of all technical sessions and decided the best paper of RACE 2019 conference.

In the concluding meeting conducted at 4:15 PM on 16 May 2019 in the Seminar Hall of Civil Engineering Department, Dr. E. V. Nampoothiri, Head (Civil), Sree Buddha College of Engineering, Pathanamthitta, distributed the certificates and awards for the best papers. As per the decision of the Conference Committee, there was one paper selected for the award for best

Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (O.ST), PIN - 690 529 paper. The awards included a certificate of appreciation and a memento. Ms. Anju Mary Thomas, Sree Buddha College of Engineering, Pattoor, received the best paper award.



RACE 2019: 16 May 2019, VENUE 2



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SREEBUDDHA COLLEGE OF ENGINEERING, PATTOOR



DEPARTMENT OF MECHANICAL ENGINEERING

One Week Faculty Development Programme on "Advanced Materials Processing

Technologies" Sponsored by APJ Abdul Kalam Technological University during 08-12 July

2019

Department of mechanical Engineering Organized an One week faculty development programme on "Advanced Materials Processing Technologies" sponsored by APJ Abdul Kalam Technological University, Kerala from 8th July to 12th July 2019. The FDP aims to provide opportunities for the faculty members to enrich their teaching and research skill in the field of Materials Processing Techniques, joining Techniques and Materials for Energy Applications.

About 20 participants from KTU affiliated external participants and 10 faculty members of SBCE attended the FDP.

FDP was started with an Inauguration on 8th July 2019 at 9.30am. The Inauguration started with welcome speech by Prof. Pavitha, HOD/ECE following by Dr. S. Suresh Babu, Principal explained about the importance of FDP and its impact on Faculty career advancement. Sri. K. K. Sivadasan, Treasurer, SBCE who gave Presidential address and briefed about the importance of such programs. The chief guest of the program Dr. P. Chakravarthy, Asso. Professor, IIST, Trivandrum inaugurated the FDP by lighting the lamp. in his speech he explained about the importance of materials, career updating of faculty by attending such program. The inaugural function came to end by vote of thanks by Dr. Saji Varghese, HoD/ME

There were two sessions every day for four days as given in the Programme Schedule. The resource persons of various sessions were Dr. Chakravarthy (Asso. Professor, IIST, Trivandrum), Dr. Jagannantham., (Wheels India Ltd, Chennai), Dr. Joby Joseph (AssociateProfessor, Mar Athanasius College of Engineering), Dr. J. Yoganandh., (Associate Professor, Sri Ramakrishna Engineering College, Coimbatore) Dr. Sreejith Mohan., (Associate Professor, NIE Mysore)

Dr. S. SURESH BABU

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Dr. M. S. Senthil Saravanan (Sree Buddha College of Engineering Pattoor), and Dr.J.B.Sajin (Sree Buddha College of Engineering Pattoor). There was an Industrial visit to Autokast Limited, Cherthala, Alleppey District on the last day. Individual feedback of participants was collected and participation certificates were issued on the last day. The workshop came to an end with a closing ceremony in the evening.

The following feedback was received from the participants:

- 1. 86% of the participants felt that the delivery and presentation of the resource person was good.
- 2. 90% of the participants were of the opinion that the FDP brought practical knowledge of the subject in them.
- 3. 90% of the participants felt that the FDP was coordinated very well.
- 4. Participants felt that such FDP should be arranged regularly.

Coordinator of FDP

Convenor of FDP

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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING

NATIONAL CONFERENCE ON NATURE AND LIFE (NCNL'19)

Engineering Education for Facing the Future 2019 (E2F2 2019) is the third annual Conference Series organized by the Sree Buddha College of Engineering on 16th - 17th May 2019. Aim of E2F2 2019 was to bring together innovative academicians, researchers and industrial experts in the field of Engineering and Technology in a common forum to present research findings, discuss the recent advancements and to explore the future directions in the emerging areas.

E2F2 THEME

The Department of Biotechnology & Biochemical Engineering has organized E2F2 series under the main theme of Scientific and Technological Advancements to tackle the challenges of Nature and Life. The conference was aimed to provide insight on areas like

- Food and Nutritional Sciences
- **Novel Separation Processes**
- Biomass and Bioenergy
- Health care Biotechnology
- Nanobiotechnology
- Sustainable Engineering
- Industrial and Microbial Biotechnology
- Environmental Pollution Monitoring and control
- Other life sciences and allied areas

Last date for abstract submission was 10th April 2019 and we received 3 abstracts. Registration fee was Rs. 1000 and Rs. 500 for external and internal candidates respectively.

The following papers were presented on 17th April 2018

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SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD

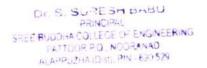
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| Seri al No: | Paper ID | Author Name | Co-Author Name | Topic Name |
|-------------------|-------------|--------------------|---|--|
| 1 | BT101 | Soumya.S. Das | Dr.Gayathri Elayidam.U | Impact of chemical pesticides on rice environment |
| 2 | BT102 | Nitha V | Smeera Thomas | Isolation and characterization of potential Chrysene degrading bacteria from hydrocarbon contaminated Marine Samples |
| 3 | BT104 | Malavika Mukesh | Dr.Manoj Narayanan, Lekshmi R.Babu, Malavika Mukesh, Priya V, Shilpa Haridas, Vrindha R | Mycofoam Material Production By Pleurotus Ostreatus Mycelia Using Eichhornia Crasippers And Salvina As Substrates |

We had 3 participants and they presented their papers and 5 participants were registered as coauthors. Dr sajin, Associate Professor, Department of Mechanical Engineering, was an external judge for the evaluation of paper presentation. The internal judge for paper evaluation was Dr Manoj Narayanan, Associate Professor, Department of Biotechnology and Biochemical Engineering. A total of Rs.5200/- was received as registration fee for the conference. Ms. Nitha V won the best paper award for the paper "Isolation and characterization of potential Chrysene



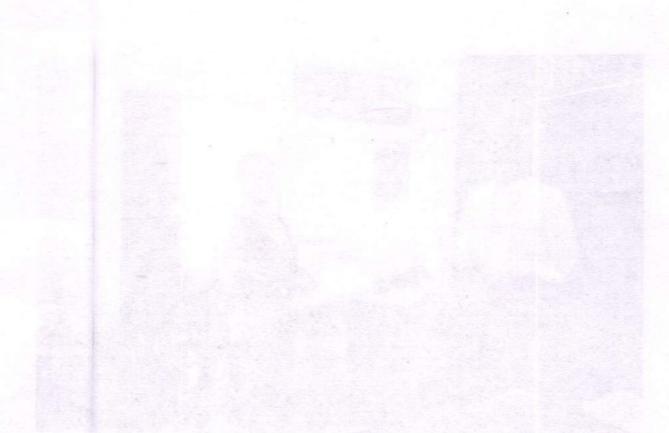
degrading bacteria from hydrocarbon contaminated Marine Samples". The certificate was distributed by Dr sajin, Associate Professor, Department of Mechanical Engineering. Finally the external judge commented on various presentations and gave suggestions to the Best paper award winner for improving her quality of work. Other two presentations were also good and maintained the level of standard. Under the guidance of Dr. R. Gopakumar, (E2F2 coordinator) we have successfully completed E2F2 third series.



Ms Nitha V receiving Best paper Award

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18-60 5.00-11:00 by

EEE Dept. Association Activity POWER QUIZ 2018 in association with KSEB Officers Association

As part of the Electrical Department Association activity, Department of Electrical and Electronics, SreeBuddha College of Engineering, Pattoor in association with KSEB Officers Association organized a preliminary competition of "POWER QUIZ 2018" on 8th November, 2018 at Conference Hall, Library Block.Ms. Varsha, S7 UG student of the department welcomed the gathering. Mr. Mahesh, Assistant Engineer, Edappon Substation conducted the competition, along with their trainees Mr. Rahul R.S. and Mr. Shihab. The session was concluded by Vote of thanks delivered by Department association faculty in charge Asst. Prof. Chama R Chandran.

In between the questionaire session, the importance of Electrical safety was given by the quiz master. The competition was very informative too.He gave case studies of deaths occurred in recent Kerala Floods due to Electrical safety lapse in different households. He also discussed the importance of protective devices in domestic households. Around 60 students from various department participated in the event. Mr. Stalin of S7, CE and Mr. Harimurali of S3, CS secured first and second prize, and were selected for the District level competition.



Mr. Mahesh, Assiatant Engineer, Edappon Substation Interacting with the students.

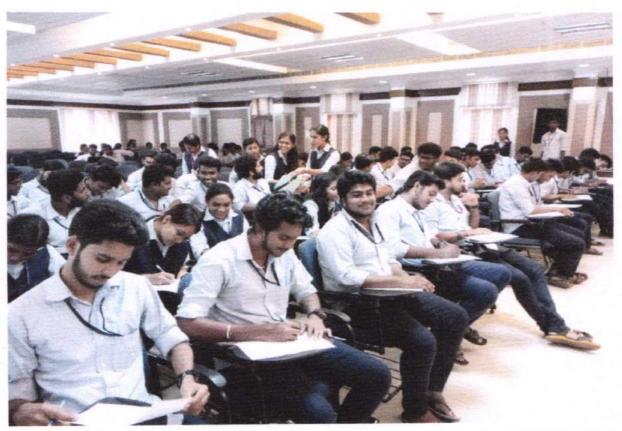
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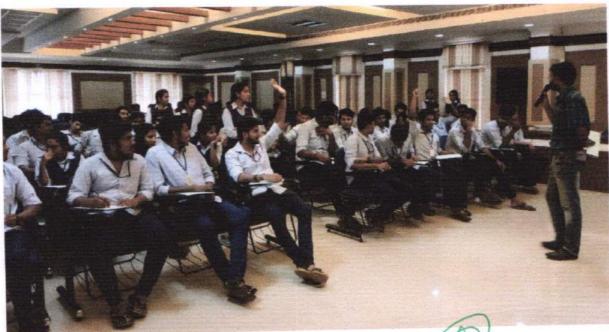
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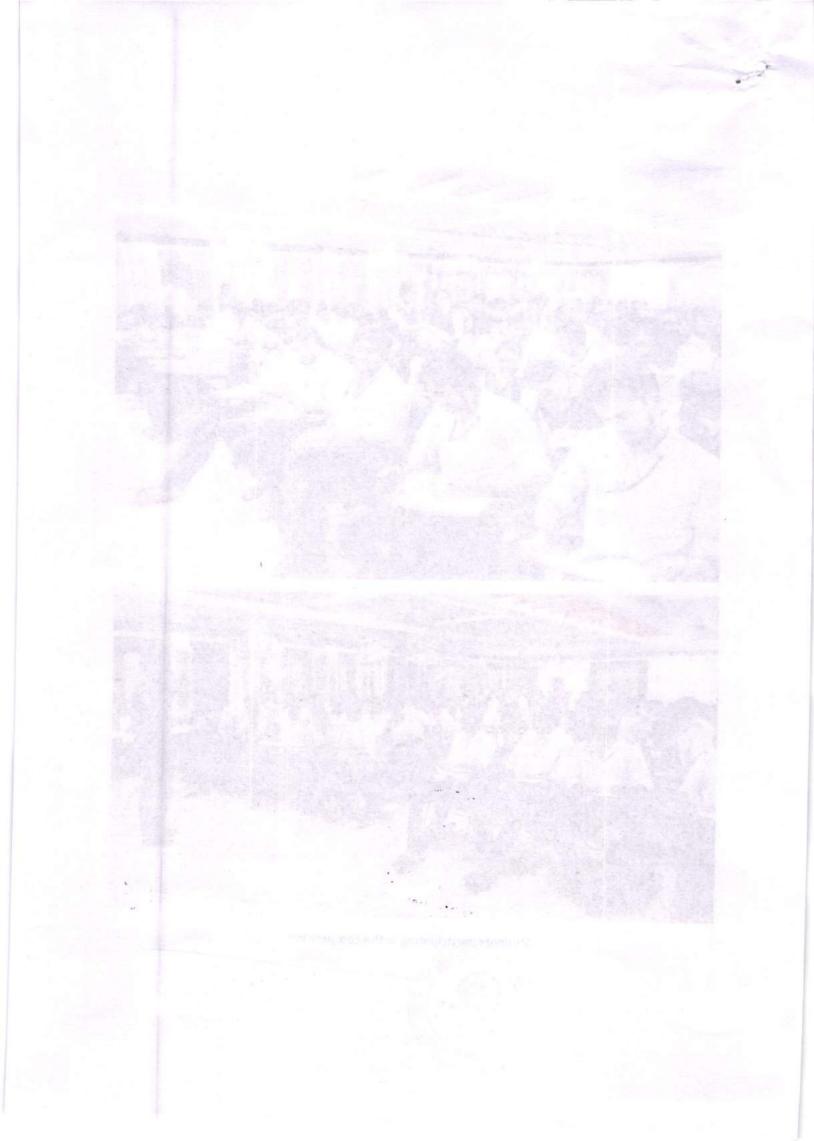




Students participating in the competition



Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 630 529



EEE Dept. Association Activity ELECTRICAL CIRCUIT DESIGNING in association with AutoCAD Engineering Solutions Pvt. Ltd.

As part of the Electrical Department Association activity, Department of Electrical and Electronics, SreeBuddha College of Engineering, Pattoor in association with AutoCAD Engineering Solutions Pvt. Ltd., Chengannurorganized a two day workshop on "ELECTRICAL CIRCUIT DESIGNING" on 11th and 12th February, 2019 at Seminar Hall, EEEBlock. Department association faculty in charge Asst. Prof. Chama R Chandran welcomed the gathering. Mr. Midhun, Central Manager conducted the sessions.

The workshop was conducted for final year UG and PG students. It gave an insight to Autodesk EAGLE software. In this competing environment, apart from an Engineering degree every company is looking for an additional certificate course for their candidates. In this regard, our department has organized such an event to add an additional course for the students. Around 26 students participated in the workshop.





SEE Dept. Association Activity ELECTRICAL CIRCUIT DESIGNING in association with AutoCAD Engineering Solutions Pyt. Ltd.

As you of the jection is partition Association convertepartition of Herman and Cleationics. Sociation College of Argmeeting Pathon in association-working and Engineering Solution. But I lid. Chemeanutoriganized a two day working on a factor RICM CHECKET DESIGN (VC) and 11° and 12° February 2419 or Seminar Hall EEEBlock Capacition association is and working Ass. Post China. China. Turndran Welcomed the authorize Me Artiform, Central Manager conducted the sessions.

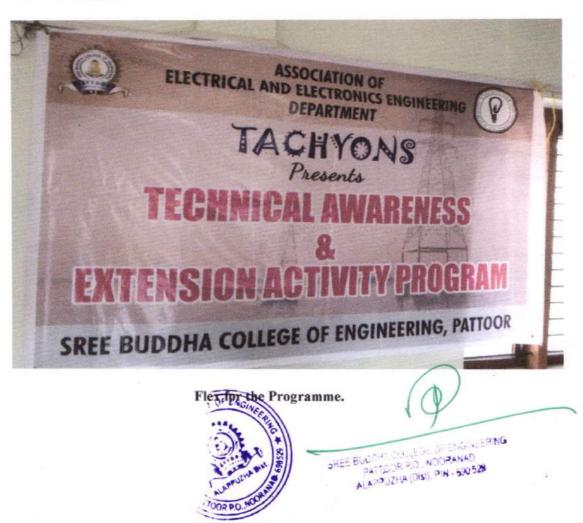
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'TECHNICAL AWARENESS & EXTENSION ACTIVITY PROGRAMME' – AN OUTREACH PROGRAMME

The association of Electrical & Electronics Engineering (EEE) Dept. (TACHYONS) of Sree Buddha College of Engineering, Pattoor has conducted a 'Technical Awareness & Extension Activity Programme' – An Outreach Programme on "Energy Conservation & Management" at CBM Higher Secondary School, Nooranad on 31st January 2018 forfirst/second year Plus Two students.

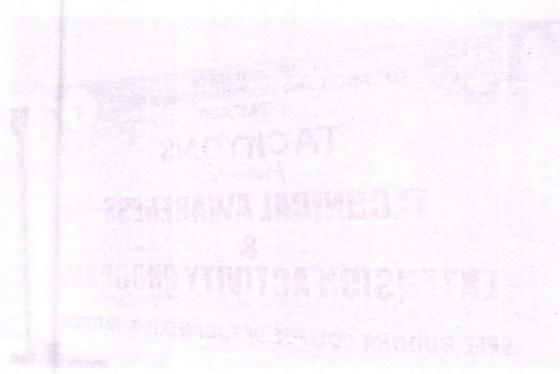
The programme started by 1.00 pm at smart class room. Some electrical energy saving tips, energy consumption by different electrical equipment, usage of various electrical equipment, calculation of monthly electricity bill, etc. were explained. The programme was attended by staff coordinators of the EEE dept, Prof. AnanthuVijayakumar, Prof. Vijina K and Department Staff Secretary Prof. Vishnu J along with the student co-coordinators Mr. Anandhu Ramesh, Mr. Vignesh R, Ms. Malavika Anil and Ms. Aiswarya B of S8 EEE. By 2:30pm the programme was concluded.



PROGRAMME AND RESERVED ATTEMPTOR ACTIVITY

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Mr. Ananthu Ramesh S8 Dept. of EEE interacting with the students.



Ms. Malavika And St. Dept. of EEE demonstrating electrical concepts.



Dr. S. SURESH BABU

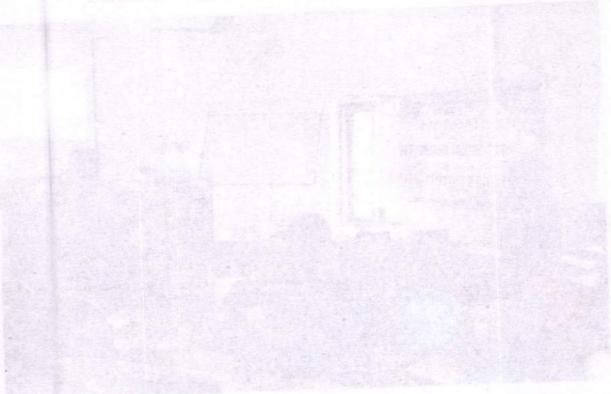
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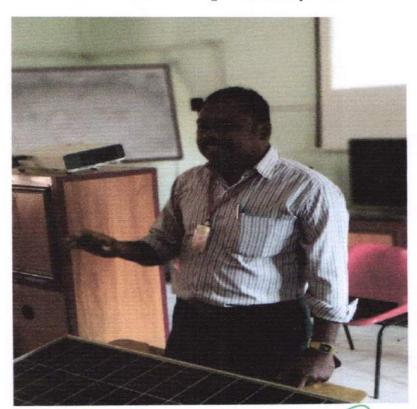




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Students from CBM Higher Secondary school



Vote of Thanks by Mr. Vishnu J, Assistant Professor, EEE Dept.



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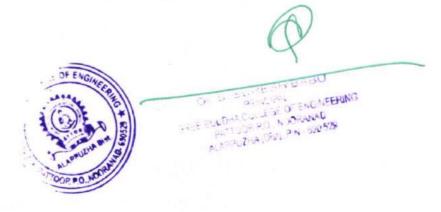
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Faculty of Dept. of Electrical and Electronics with the students from CBM Higher Secondary School Nooranadu.





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ELECTROTSAV 2K18

The inauguration of annual activities of the association of Electrical & Electronics Engineering (EEE) Department (TACHYONS) for the Year 2018-'19- "ELECTROTSAV 2K18" was held at Sree Buddha College of Engineering (SBCE), Pattoor, Alappuzha, on 9th February 2018, Friday. The programme was organized at Conference hall, Central Library Block. The programme started with the welcome address by Mr. Vishnu J, Assistant Professor & Department Association Staff Secretary, EEE Departmentand the inauguration was done by Mr. Sreekumar M K, Energy Efficiency Engineer, BPCL, Cochin Refinery. Dr. S. Suresh Babu, Principal, SBCE, Pattoor gave the presidential address. Prof. Vinod V P, HoD of EEE department presented department annual report 2017 in front of the august audience.Mr. K KSivadasan, Treasurer, SBCE, Pattoor has delivered felicitation speech. Vote of thanks was delivered by Anandhu Ramesh of S₈ EEE.

Later Mr.Sreekumar M K, Energy Efficiency Engineer, BPCL, Cochin Refinery&Mr.Azeem K, Founder & Senior Consultant, Alenso Energy, Kochidelivered a Technical session on Energy Conservation and Sustainable Energy respectively with various practical examples, which made the talk more interesting and interactive. As a part of the programme, two inter department competition such as poster presentation, concept Power Point Presentationand Project Expo were conducted at EEE Department. Students from various schools along with the faculty members visited to watch "ELECTROTSAV 2K18". The winners are:

1. Concept PPT

- First Ms.FathimaThangal&Ms. Alisha Moni (CE, S₄)
- Second Mr.KishorManohar&Ms.Rajeswari A (CE, S₄).

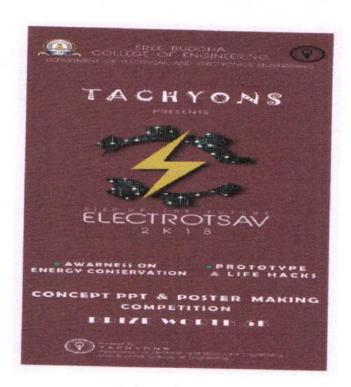
2. Poster Presentation

➤ First – Mr. Alwin Godly (EC, S₂)

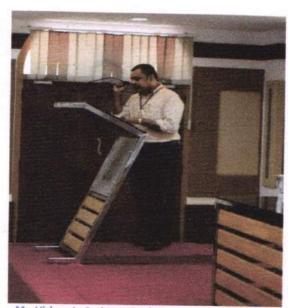
Second – Ms.Lekshmi (EC, S₂).

Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING

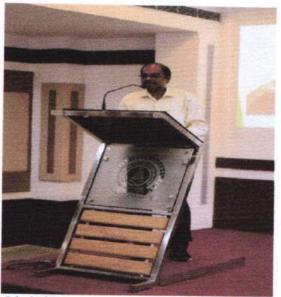
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Flex for the Programme.



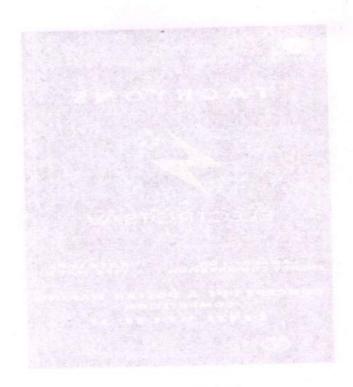
Mr. Vishnu J., Assistant Professor & Department Staff Secretary welcoming the audience.



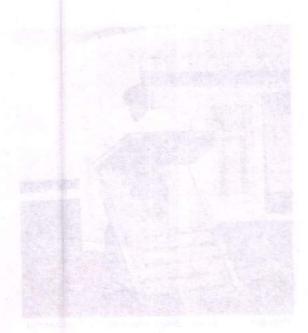
Principal Dr. S. Suresh Babu delivering the Presidential address



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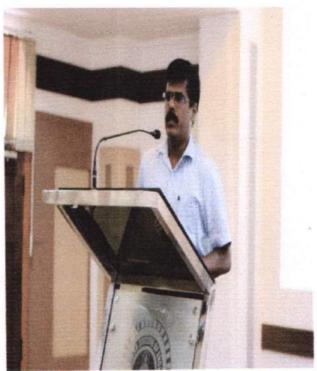


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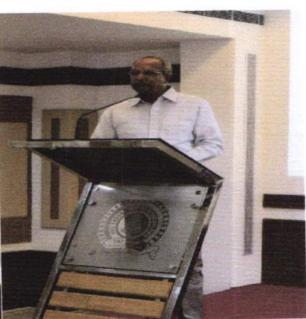
Prof. Vinod V P, HoD of Electrical & Electronics Engineering presenting annual report.



Inaugural address by Mr. Sreekumar M. K., Energy Efficiency Engineer, BPCL, Cochin refinery.



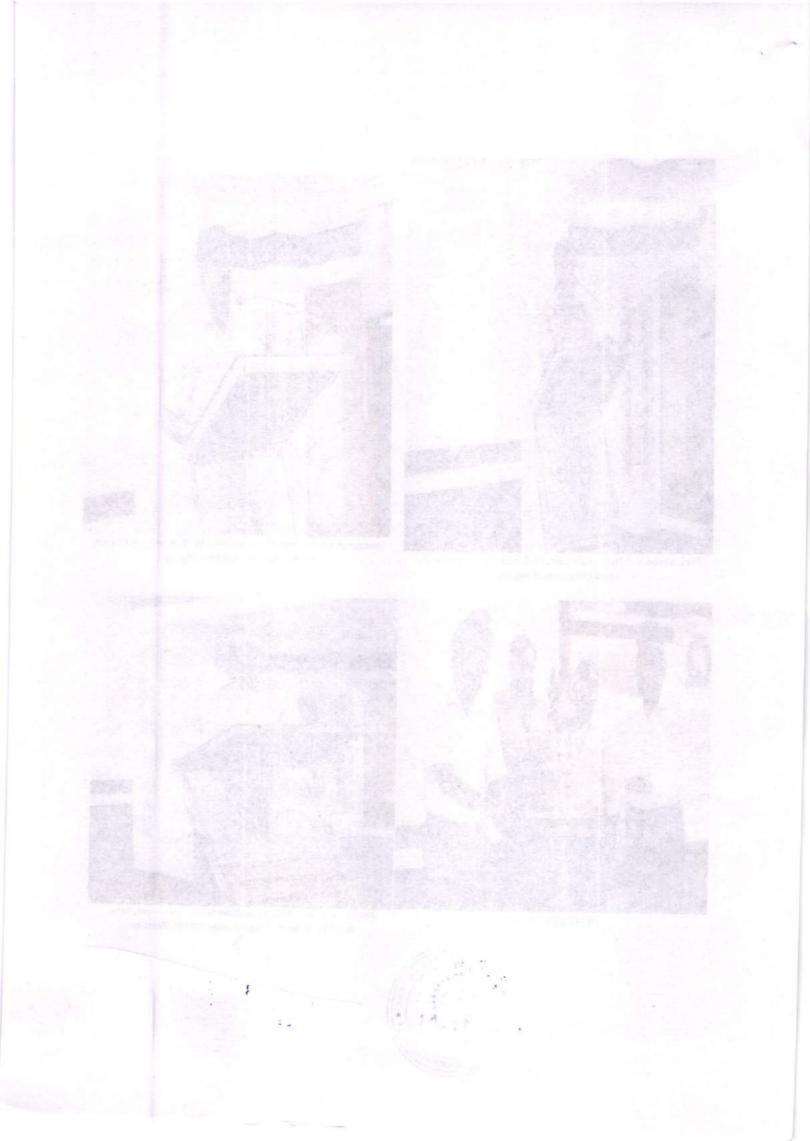
Lighting the lamp

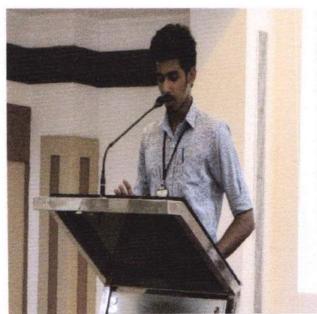


Felicitation speech by Sri.K KSivadasan, Treasurer, Sree Buddha College of Engineering (SBCE), Pattoor.

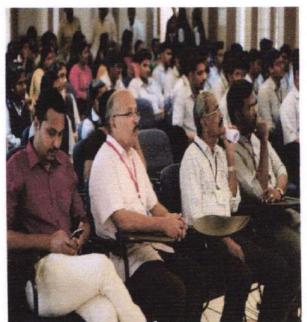


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Vote of thanks by Mr. AnandhuRemesh, S8, EEE.



Audience.

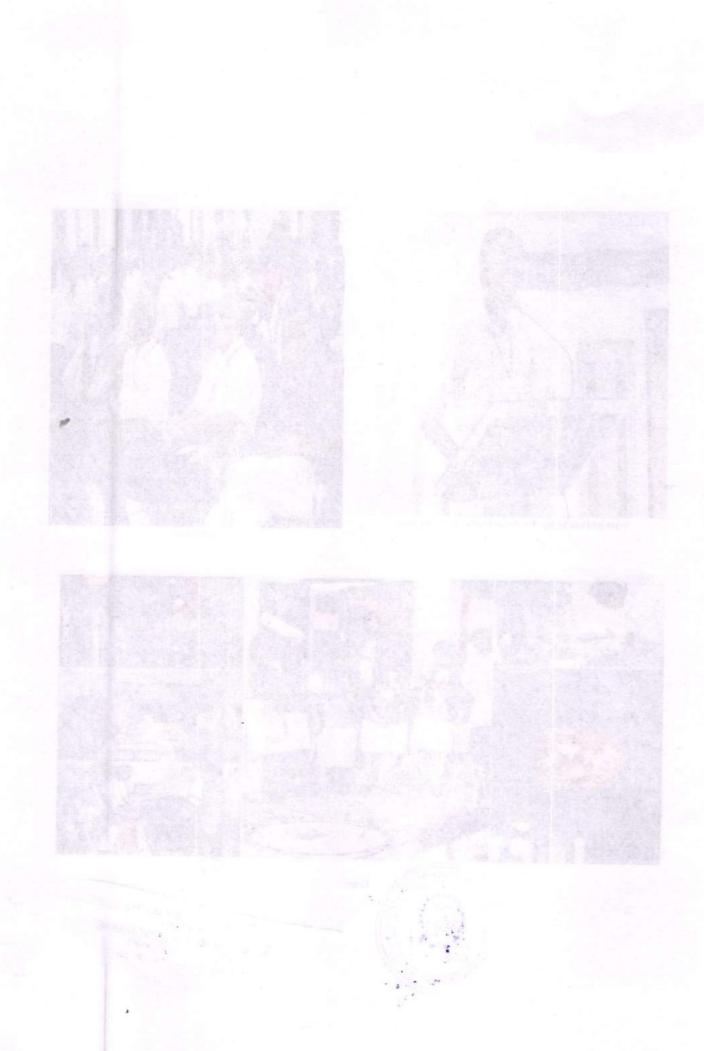


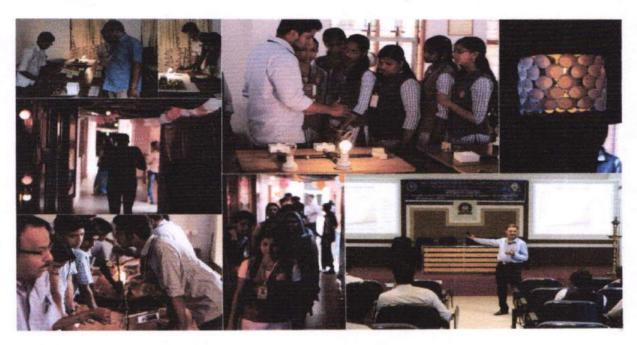


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Expo



Technical talk on Energy Conservation by Mr. M K Sreekumar

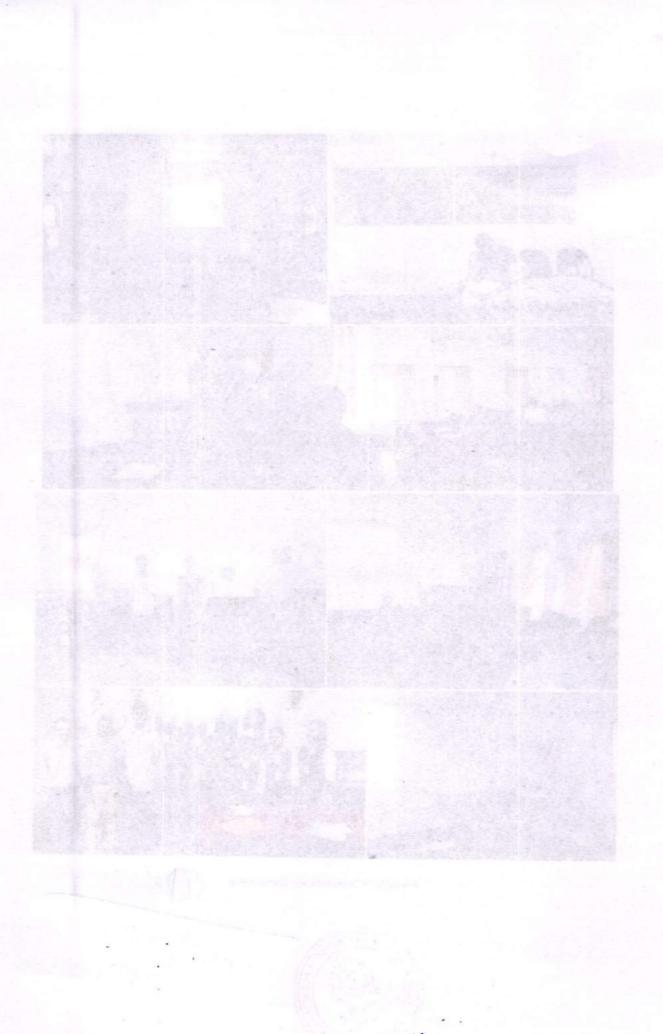
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Poster & PPT presentation Competition



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Technical session by Mr. Azeem K., Founder & Senior Consultant,



Feedback Session

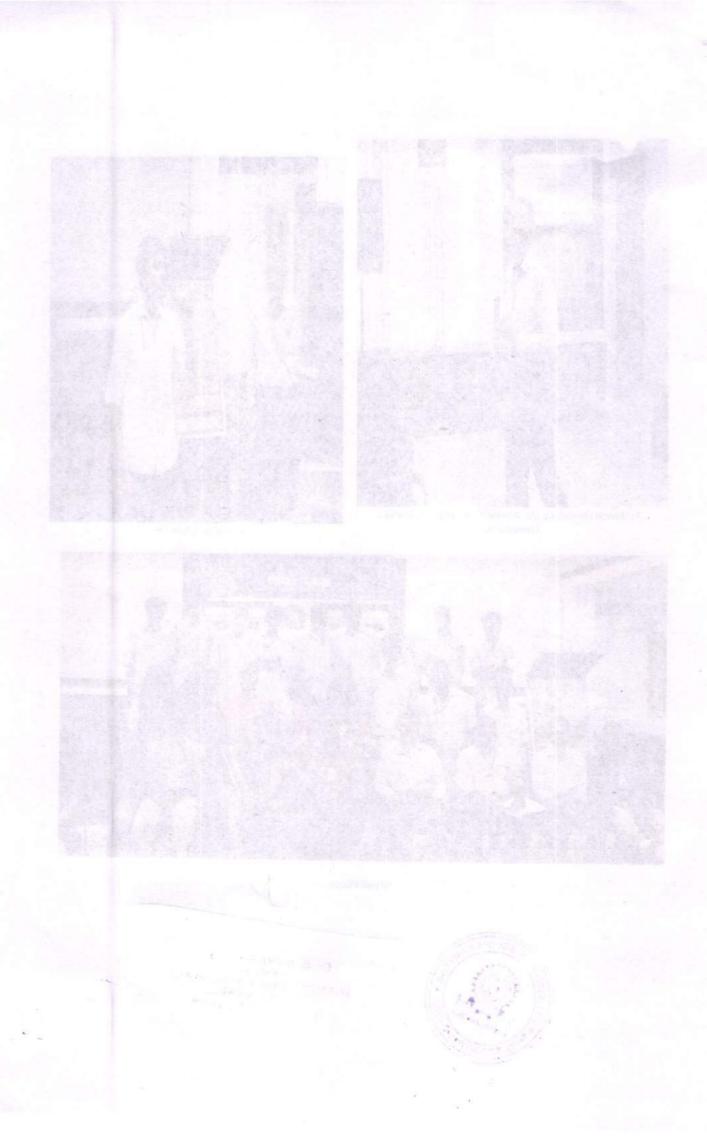


Group Photo





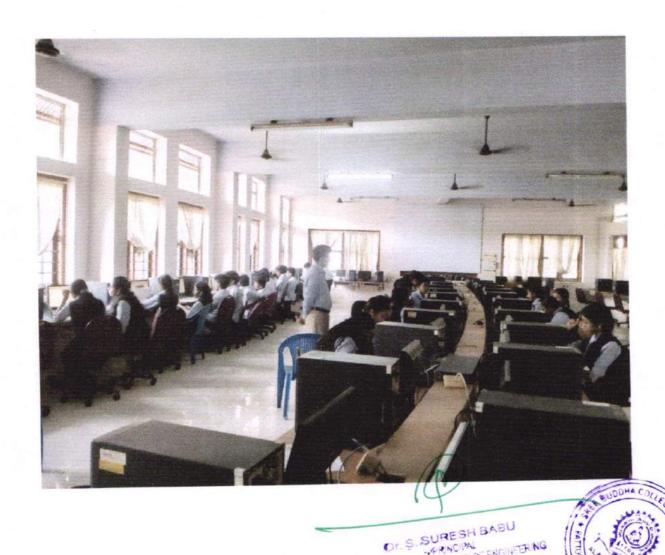
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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

WORKSHOP IN C PROGRAMMING

A one day Workshop in C Programming was organized by Computer Society of India Student Branch of Sree Buddha College of Engg. on 18 March, 2017 for the S2 B. Tech Computer Science and Engineering students The sessions were led by Prof. Shiju Thomas M. Y., Assistant Professor, Department of CSE, Rajagiri School of Computer Science. The workshop was organized as two sessions. The morning session focused more on basics of C programming and the afternoon session focused on practical sessions. The sessions were attended by 45 students and the classes were very informative for them.



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2. 'INITIUM' - 2017

The department of electrical and electronics engineering in association with IEEE conducted a one day workshop on 'Managerial And Product Design Workshop' names as 'Initium' for benefit of students.

This workshop was all about developing the managerial and product design skills of students. This was conducted on 9th March 2017 from 9.30 am to 4.30 pm. The resource person was Mr. Thomson Tom. Students of various departments including ECE and CSE participated in the workshop and enriched their knowledge and skill in product designing.

Activities conducted:

Mr. Thomson Tom was the resource person who conducted the activities efficiently. He conducted a contest which all students participated in groups of seven. The activities indulged the full participation of students. Our first activity was a sort of presentation work. For this we were distributed with newspapers among the various groups. Our next assigned task was to find the current difficulties we are facing in the society and suggest appropriate solutions for that. We were given a booklet in which we wrote problems in one page and solutions in the adjacent page. This was really a new experience for every one of us. From this we also come to know that what all various kinds of difficulties we faced in our society.

Now we were asked to design a product which helps to reduce any of the recent issues which affects the all society badly. Different group came with different ideas and all of them designed products in their own ideas and imaginations. This task really enhanced our technical knowledge.

Now we were split into two and sent to different groups for marketing our products. This was to develop our managerial skills. Then our duty was to present our product in front of a few faculties who judged the presentation. From the above judgement three groups won various positions among the seven groups. The group which banged the first prize presented a helmet; the advancement of this product was, unless we were the helmet the motor bike is not going to move. This was PIR sensored helmet Helmets whenever a person wear PIR sensor get activated which sends signals to the tooth module which helps to insert the key in slot. That was an amazing work from group 6, The Dynamos. Second position was banged by group 1 Tesla. They created an application for women safety and security. Group 7 banged the third position, they presents a Radtrap for the protection of wildlife from rising temperature.

By the end of this activity we came to the last stage of the workshop. This was really a great experience for all the students who attended the workshop. Students from various colleges were also excited.

The volunteers and the faculties have really done a great job, without them this programme would have never been successful. We got good comments from all those who attended the workshop.

2. INTITUM" . 2017

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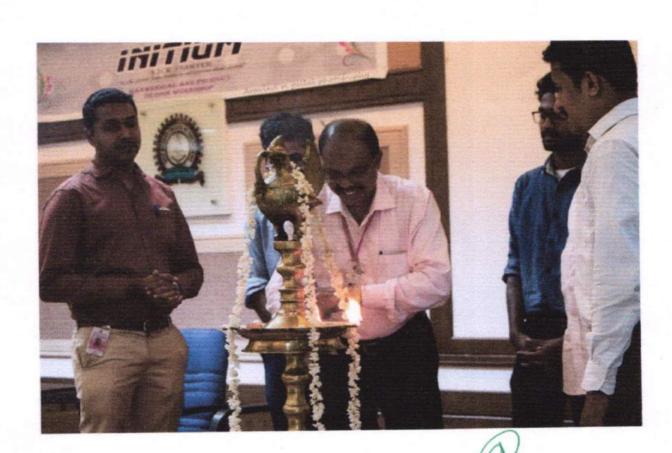
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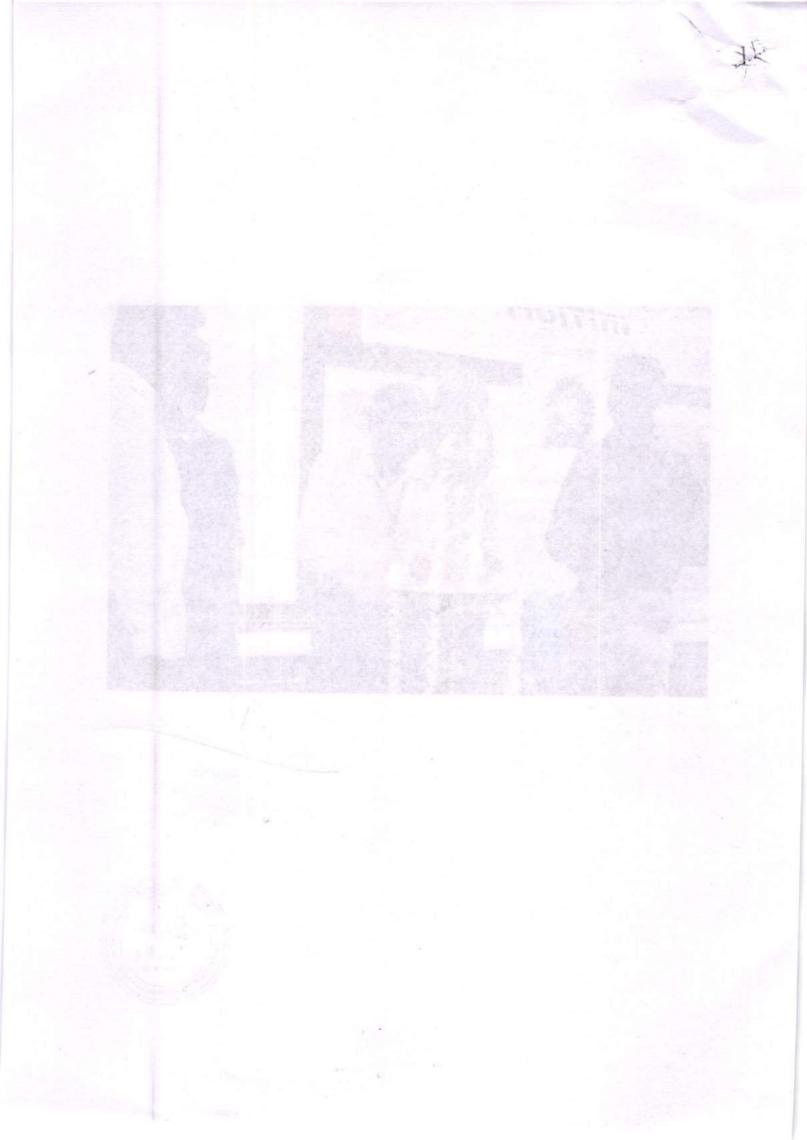
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SREE BUDDHA COLLEGE OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS

REPORT OF PGIF PROGRAM ON 15/03/2017

On 15th March 2017 M Tech students of Electrical and Electronics of Sree Buddha College of Engineering organized a talk on "Stress Management and Relaxation Training" under Post Graduation interdisciplinary Forum (PGIF). Dr. Jaico K Paulose was the speaker of the talk. He is a Consultant Psychiatrist from Believers Church Medical College, Thiruvalla.

The programme was organized at seminar hall, Central Library Block. The programme started by 9:30 am with a prayer song of PG students followed by the Welcome Address by HOD Dr. Mithun M. S of EEE department. He greeted and welcomed the guest to the college. Later on Principal Dr. S Suresh Babu addressed the dias by greeting the dignitaries on the dias, all the HOD's, staffs and students. He also shared his views on stress management and importance of organizing such talks. Then Guest of Honour Dr. Jaico K Paulose was felicitated by Treasurer, Sri K K Sivadasan. After felicitation, lighting the lamp was there, which were done by guest, Principal, HOD, PG coordinator and two student representatives. After lighting lamp ceremony, Dr. Jaico K Paulose was invited to share his views. He gave a brief idea about what he was going to discuss during his talk. Vote of thanks was given by student representative Ms. Riya Anna Thomas. Later on Dr. Jaico K Paulose related the talk with various practical examples which made the talk more interesting and interactive. He talked about how to manage stress and different ways to overcome stress. The talk continued till 12 pm after that question answering session was conducted. Then programme coordinator Mr. Nandan G

Dr. S. SURESH BABU
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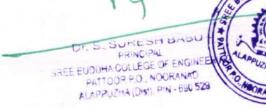
SREE BUDDEN COLLEGE OF ENGINEERING DEPARTMENT OF ELECTRICAL AND ELECTRONICS REPORT OF EGIF PROGRAM ON 15/83/2017

On 15th March 2017 M Fech students of Decircus and Electronics of Size Buddha College of Framewing organized a talk on "Sixes Management and Relaxation Training" mader Post Guiduation intertisciplicacy Corum (PGH). Dri Juico K Pauliss was the speaker of the talk. He is a Consultant Psychiatric from Belfevers Church Medical College. Thurwalla.

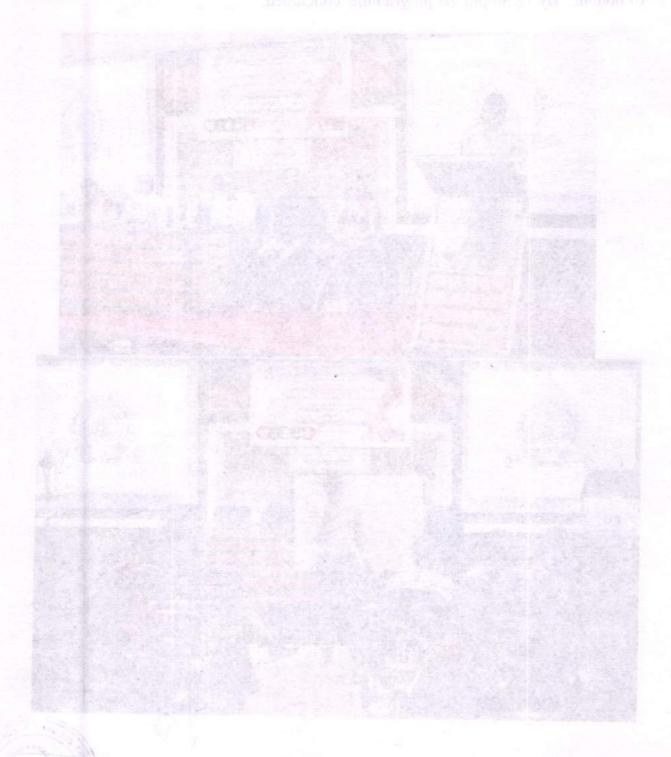
The programme started by 9.30 am with a prayer song of PG sendents followed by the programme started by 9.30 am with a prayer song of PG sendents followed by the Welcome Address by HOE Dr. Mithon M. S. of Ed E department. He greated and welcomed the guest to the orthogo I are not Principal Dr. S. Sungh Buba addressed the views by greating the distributed on the diag, all the 140 Br. Sungh Buba addressed the views of sunghamed and importance of significant lands. He also shared his views on areas management and importance of significant lands. Then Gors of Homore Dr. Saica E Penilose was their vehicle were duge by guest. Principal, 140 Br. Frieder and relations was there vehicle were duge by guest. Principal, 140 Br. Frieder and the lumb was there vehicle were duge by lighting lamp at among. Dr. Frieder K Paulose was invited to share his views. He gave a brief idea about what he was complete was therefore his views. He was given by student representatives have strong from the talk with various practical examples which made the talk more pallose related the talk with various practical examples which made the talk more uniteresting and interactive. He talked about how to quantice stress and different ways to overcome stress. The talk continued till 12 pm after that question answering session was conducted. Then pregramme coordinator Mr. Surbitator Mr.

followed by a student representative Ms. Anagha Basheer gave thanks to the guest of honour. By 12:30 pm the programme concluded.





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ENERGY & ENVIRONMENT CONSERVATION CLUB REPORT

One day seminar on "Solid waste management", (18th October 2017)

A Seminar on "Solid Waste Management" was conducted by EEC club of Department of BT&BCE on 18th October 2017 in the conference hall (Library Block). A lecture on Innovative methods in solid waste management was taken by Dr.Gouri Antherjanam, Department of Civil Engineering. The lecture also covered the various aspects of design engineering. The session was attended by all batches of students and was presided over by Dr S Suresh Babu (Principal, SBCE) and Dr. Manoj Narayanan (HoD, BT&BCE).





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TECHNICAL AWARENESS & ON THE JOB TRAINING PROGRAMME' – AN OUTREACH PROGRAMME





Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 696 529



A 'Technical Awareness &On The Job Training Programme' – an Outreach Programme was conducted by the association of Electrical & Electronics Engineering (EEE) Dept. of Sree Buddha College of Engineering, Pattoor 12th January 2018.First/Second year Electrical

&Electronics Technology (EET) and Civil Construction Technology (CCT) Students along with the faculty members from EVHSS, Elamannoorattended the programme.

The programme was organized at Conference hall, Central Library Block. The programme started by 11 am followed by the Welcome Address by Prof. Vinod V P, HoD of EEE department. Dr. E K Bhass, HoD, CE, Dr. GouriAntherjanam, Professor, CE & Prof. AmbikaSekhar, HoD, ECE have delivered felicitation speech. Vote of thanks was delivered by Anandhu Ramesh of S8 EEE.

Later Dr. E K Bhass, HoD, CE, Mr. Vishnu J, Assistant Professor, EEE & Mr. Sabi S, Assistant Professor, ECE delivered a Technical session with various practical examples, which made the talk more interesting and interactive. After that the students were split into two batches. The Civil students visited various labs in CE Department. The rest of the students visited the Electrical Machines Lab & High Voltage Engineering Lab, Department of EEE. Later the students visited 50 KW On-Grid Connected roof top Solar Power Plant. Live demonstration and explanation of 50 kW On-Grid Solar panel was done by Mr. Vishnu J, Asst. Prof., EEE. By 2:30pm the programme was concluded.

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'PRABODHANA' - ENLIGHTENMENT THROUGH SCIENCE



On 12th December 2017 Sree Buddha College of Engineering, Pattoor organized a program sponsored by **Kerala State Council for Science, Technology and Environment** (KSCSTE) under **Science Popularization Programme**. Students from NSS Polytechnic Pandalam attended the program along with the faculty members of our institution. Dr. Mithun M S, Associate Professor, Department of Electrical and Electronics Engineering was the speaker of the talk.

The programme was organized at Conference hall, Central Library Block. The programme started by 11 am followed by the Welcome Address by Prof Vinod V P, HoD of

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PRABODALYAY - EVELICITENMENT THROUGH SCIENCE



On 12" thecember 2017 Since studdes College of Laminesing, Paragor combined a program sponsored by Kenala State Council for Science, Lecturalisty and Programmet (KSCSTE) under Science Programme Programme Students from MSS Programme Pandalous attended the program attended of a faculty members of the name Liu, Million MSS Accords For Research and Electronics in the name Liu, Million MSS Accords For Research and Electronics in the latter with a second circuit.

the programme states by the second by the Welcome Address by Pro Mind V.P. Half of

EEE department. He greeted and welcomed Polytechnic students from NSS Polytechnic Pandalam. Later on Principal Dr. S Suresh Babu addressed the dias by greeting the dignitaries on the dias, all the HOD's, staffs and students. He also shared his views on energy conservation and

importance of organizing such talks. Then event was inaugurated by Treasurer, Sri K KSivadasan, Sree Buddha Educational Society. DrMithun M S was invited to share his views. He gave a brief idea about the need for Energy Conservation in domestic households. Vote of thanks was delivered by MsAthiraShaji, Assistant Pofessor ECE.

Later on Dr.Mithun M S related the talk with various practical examples which made the talk more interesting and interactive. After the main talk, the students were split into two batches and live demonstration and explanation of On-Grid Solar panel (50 kW) on the roof top of Computer Science Department was done by Mr. Vishnu J, Assistant Prof., EEE. The rest of the students visited the High Voltage Engineering Lab, Department of EEE where students were given live demonstration of Impulse testing by Mr Nandan G, Assistant Prof EEE. By 1:30 pm the programme concluded.

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INITIUM 2K18

- Kick your life before anyone else does!!!



Inaugural ceremony INITIUM 2K18, Dr. S. Suresh Babu, Principal, SBCE Chief guest Mr BinuSanker, Assistant Director Innovation Culture, Shri K.K. Sivadasan, Treasure, SBCE. Prof. Vinod V P Hod EEE.

IEEE student branch of Sree Buddha College of Engineering organized a one day "Managerial and Entrepreneurial Workshop" which was held on 30th January 2018. Welcome speech was given by Ass Prof Vijina K, Dept. of Electrical and Electronics. The inauguration was done by chief guest ShriBinuSankar, who was also the resource person of the event. Principal Dr S Suresh Babu delivered the presidential address, followed by felicitations from K KSivadasanThampy, Treasurer, SBCE. Head of the Department, Electrical and Electronics, SBCE. Vote of thanks was given by SB Chair Manu B.

Shri.BinuSankar who was the resource person has been with EY for 5 + years and brings over 11 years of experience in building collaboration platforms across universities, start-up community and the government.

The morning session started from 10:30 am. The classes began with start-up ideas and reflecting knowledge on managerial sections. Various slides were shown regarding the user empathy. Later

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the classes got focussed on managerial and entrepreneurial arenas. He explained about various scopes and possibilities of management and start-ups.

*120 students attended the programme from SBCE, 80 students from other colleges.

The various aspects which he had gone through are;

Time Management

He quoted that a successful entrepreneur must be able to make wise decisions about how he uses his time, continually evaluating and prioritizing tasks according to relevance and importance. Entrepreneurs must also manage their professional life in conjunction with their family life, striking a balance between work and home.

Business Management

A successful entrepreneur has management skills to accurately research his market and develop a comprehensive, multi-year business plan. This includes accounting for growth and development, taking on employees, financing operations and marketing and running or overseeing the day-to-day business functions.



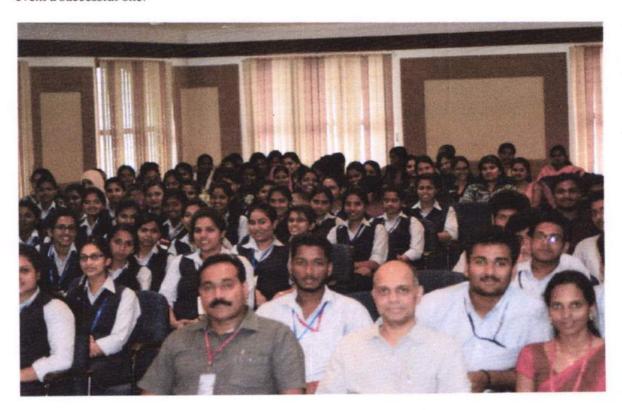
Chief Guest BINU SANKAR talk -Resource Person, INITIUM 2K18.

Customer Management

He also said that a good entrepreneur must have the ability to juggle clients, trouble shoot problems oversee customer interaction with employees and ensure that customers are satisfied. The workshop came to an end by 4pm, after that chief guest was honoured by awarding a memento from the college management.

The event got good feedback .Students from various departments of SBCE attended the workshop. External participants including the students of SriVellapallyNatesan College of Eng. also attended the event.

The Student Branch counselor and each and every volunteer of IEEE contributed their 100% to make this event a successful one.



Audience for INITIUM 2K18 along with chief guest.

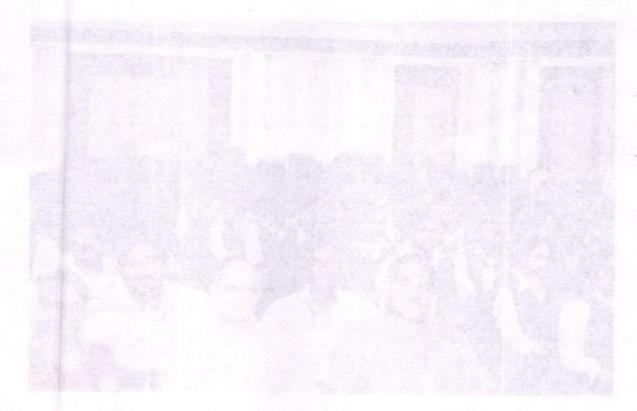
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IEEE SPECTRUM QUIZ

The IEEE student branch has decided to conduct a quiz competition in order to increase their attention.

As a result spectrum competition on 25th January 2018 at seminar hall in Electrical and electronics department from 12:30pm to 1:30pm was conducted.

Question papers were set in such a way that total 20 questions where there.7 questions regarding IEEE, rest of the questions where general type. Students from different branch and year participated in the competition, making it a successful one. 108 students were participated from various departments.





Dr. S. SURESH BABU

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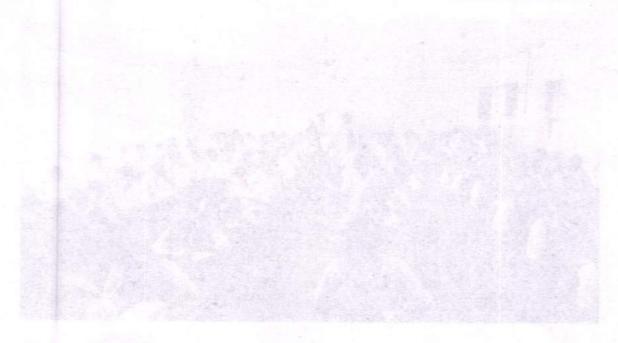
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Participant's for SPECTRUM QUIZ.

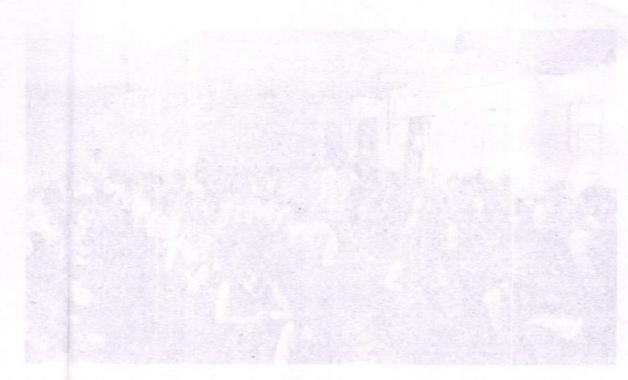


IEEE Spectrum quiz Winner EMAAN FATHIMA N (BT) receives cash price and certificate from chief guest Mr. BinuSankar.



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MECH FEST - NOVEMBER 2018 - REPORT

Technical Expo in Sree Buddha College of Engineering, Pattoor, Organized by Department of Mechanical Engineering

The Mechanical Engineering Department of Sree Buddha College of Engineering conducted a technical Expo named MECH-FEST-2k19 on27thand28thNovember 2018which evoked an attractive participation of students from schools and colleges. The Programme highlighted the technical proficiency of the students of Mechanical Department. The fest was inaugurated by Mr. Anand Chandran, who is aviation engineer. Dr. Saji Varghese, HOD, Department of Mechanical Engineering welcomed the gathering. The inaugural function was presided over by Dr. S. Suresh Babu, Principal, Sree Buddha College of Engineering. Shri. K. K. Sivadasan, Treasurer, Sree Buddha Educational Society, Prof. Amjith T R, Coordinator, MOMENT delivered the felicitation. Mr. Abel Ninan Thomas, Student Secretary, MOMENT delivered the vote of thanks.

Exhibition of mechanical components, Moon Landing Display, Gun Expo, Demo on Kerala flood, Mechanical Project Expo, and Evolution of automobiles expowere the main attractions of the event. In association with the Technical Expo, students of Mechanical Engineering department erected a Clock Tower in the campus which was fabricated by them. The event was successful enough to attract thousands of school students. In addition to this, a workshop on Ornithopter was also conducted. More than 75 students from various Engineering Colleges participated in the event. An Ornithopter, a bio-mimicry of birds, bats and insects, is an aircraft that flies by using the same mechanism as birds: flapping its wings instead of using engines for propulsion like most of the modern day aerodynamic models. The workshop included all the concepts and principles

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involved in the aerodynamics of an Ornithopter. The workshop provided a complete learning experience to the participants.

FIGURE DESCRIPTION

- 1. Inauguration by Mr. Anand Chandran
- 2. Clock Tower
- 3. Demo on Kerala flood
- 4. Moon landing display
- 5. Mechanical Expo
- 6. Evolution of automobiles expo

7. Ornithopter workshop

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SREE BUDDHA COLLEGE OF ENGINEERING DEPARTMENT OF BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING

NATIONAL CONFERENCE ON TECHNOLOGICAL ADVANCEMENT IN BIOENGINEERING (NCTAB'18)

Engineering Education for Facing the Future 2018 (E2F2 2018) is the second annual Conference Series organized by the Sree Buddha College of Engineering on 17th - 18th April 2018. Aim of E2F2 2018 was to bring together innovative academicians, researchers and industrial experts in the field of Engineering and Technology in a common forum to present research findings, discuss the recent advancements and to explore the future directions in the emerging areas.

E2F2 THEME

The Department of Biotechnology & Biochemical Engineering has organized E2F2 series under the main theme of Technological Advancement in Bioengineering. The conference was aimed to provide insight on areas like

- Agriculture Biotechnology
- Biomaterials
- Biomedical Engineering
- Bio nano-technology
- Bioprocess Engineering
- · Catalysis and Reaction Engineering
- Energy and Environmental Engineering

Last date for abstract submission was 12th March 2018 and we had received 12 abstracts. Registration fee was Rs. 1000 and Rs. 500 for external and internal candidates respectively. The following papers were presented on 17th April 2018.

Dr. S. SURESH BABU PRINCIPAL SREE EUDDHA COLLEGE OF ENGINEERING

PATTOOR P.O., NOORANAD PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529

| Serial No: | Paper ID | Author Name | Co-Author Name | Topic Name |
|---------------|----------|--------------------------|---|--|
| 1 | BT 101 | Sruthi Rajan | Dr. Manoj Narayanan | GREEN SYNTHEIS OF ZINC OXIDE NANOPARTICLES USING Simarauba glauca AND ITS APPLICATION IN PESTICIDE REMOVAL |
| 2 | BT102 | Nisha Susan Mathew | GeovanElphin George,Priya Sunny ,Rincy Susan Raju,Arun R | PRODUCTION OF OXALIC ACID FROMArtocarpoushirsutus BY Aspergillus sp USING SUBMERGED FERMENTATION AND STUDY OF THE NUTRITIONAL CONTENT OF THE FRUIT |
| 3 | BT 103 | Rincy Susan Raju | | RELATIVE QUANTITATION AND PROKARYOTIC EXPRESSION OF AQUAPORIN GENE IN TWO VARIETIES OF ORYZA SATIVA-POKKALI AND JYOTHI |
| 4 | BT 104 | Sharon Mariam Jacob | Anandhu A S, Ms. Lekshmi R Babu,Nandhana A,Varna S | "ECOSYNTHESIS OF NANOSILVER AND ITS APPLICATION IN SUSTAINABLE DEVELOPMENT" |
| 5 | BT 105 | Vidya K.V | Ms. Lekshmi R Babu | COPPER REMOVAL FROM AQUEOUS SOLUTION BY USING GREEN SYNTHESIS SILVER NANOPARTICLES WITH Azadirachta indica LEAF EXTRACT |
| 6 | BT 106 | Sandra Elizabeth Sabu | Anjali Babu, Haritha P, and Malu Ravi* | PRODUCTION OF ECOFRIENDLY PAPER FROM WATER HYACINTH FOR A SUSTAINABLE FUTURE |
| 7 | BT 107 | Priya Sunny | NishaSusanMathew | FORMULATION, DESIGN ANI |



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| | | | Arun R , Geovan Elphin George, ,Rincy Susan Raju | EVALUATION OF HERBAL HANDWASH FROM AVERRHOA BILIMBI |
|----|--------|---|--|--|
| 8 | BT 108 | ,Athulya Rajeev, Aparna K, Reshma S, Dr. J R Anoop Raj | Neenu Surendran | WATER TREATMENT BY USING Citrullus lanatus (WATER MELON) SEED AS A NATURAL COAGULANT |
| 9 | BT 109 | Aleena Jacob, Abitha P Raveendran, Sruthy S, Dr. Jaya Mary Jacob | Merin Sara John | BIOSYNTHESIS OF SILVER NANOPARTICLES FROM OCIMUM SANCTUM FOR THE DEVELOPMENT OF NANOENGINEERED TISSUE PAPER TOWELS |
| 10 | BT 110 | Amal Basheer; Haritha V; Malavika Aji; Ms. Shamnamol G K ⁵ | Sony K Cherian | "PREPARATION AND CHARACTERISATION OF ACTIVATED CARBON PREPARED FROM Aegle marmelos FRUIT SHELL" |
| 11 | BT 112 | Lakshmi S, Akash R, Dr. Manoj Narayanan | Sujana S | Greener Synthesis Of Magnetic Iron Oxide Nanoparticles Using Sida Rhombifolia Leaf Extract |

We had 11 participants and they presented their papers and 19 participants were registered as coauthors. Prof.Fazil A, Asst.Professor, Department of Chemical Engineering, TKM college of Engineering, Kollam was an external judge for the evaluation of paper presentation. The session was chaired by Ms.Meera Bai S, Asst.Professor, Department of BT&BCE, SBCE,Pattoor. The

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internal judge for paper evaluation was Ms.Meera Bai S and Dr.Anoop Raj.J R. A total of Rs.9300/- was received as registration fee for the conference. Ms.Rincy Susan Raju (Faculty) won the best paper award and Ms. Sruthi Rajan (PG Scholar) secured second best paper award. The certificate and memento were distributed by Dr.Manoj Narayanan, HoD, and Department of BT&BCE. Finally the external judge commented on various presentations and congratulated the B-Tech students for their effort to include the analysis like XRD, SEM, TEM, FTIR etc. Under the guidance of Dr. R. Gopakumar, (E2F2 coordinator) we have successfully competed E2F2 second series.



Rincy Susan Raju (Faculty) accepting the best paper award



Dr. S. SURESH BABU

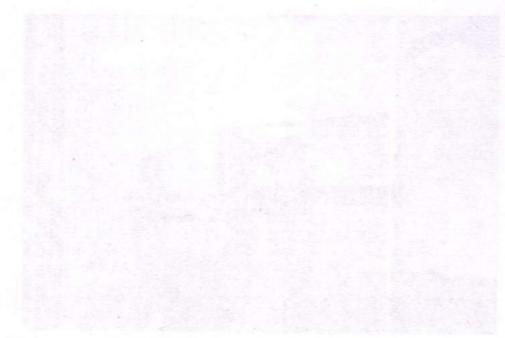
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9th Annual district level seminar series competition of KSEB Engineer's Association held at Sree Buddha College of Engineering, Pattoor.

The annual district-level seminar series competition of Kerala State Electricity Board Engineers Association (KSEBEA) was held at Sree Buddha College of Engineering (SBCE), Pattoor, Alappuzha, on 13thMarch 2018, Tuesday, in association with the Electrical & Electronics Engineering (EEE) Dept of the college and supported by IEEE PES Kerala Chapter. KSEBEA has been regularly conducting this competition for the last 8 years, in order to enhance the understanding of up-coming electrical engineers in the domain of Power System. The topic for this year's competition, was "Electric Mobility and Power Utilities – Challenges and Solutions" was organised in association with department of Electrical and Electronics Engineering.

The program started with the welcome address by Prof. Vinod V. P., HOD - Dept of EEE, SBCE and the inauguration was done by college Treasurer, Mr. K. K. Sivadasan. Er. M. Anil, Executive Engineer, Transmission Division, Mavelikkara— KSEBEA, Alappuzha Unit, gave the presidential address. Dr. S. Suresh Babu, Principal, SBCE, Pattoor and Er.GangadharaKurup, Dty. Chief Engineer — KSEB (Rtd.)have delivered felicitation speech.Students from different colleges participated in the event. In addition to the seminar competition, there was also a poster competition for PG students. The winners were judged by, Er. GangadharaKurup andEr. M. Anil.The program was coordinated by Prof. Vishnu. J, Association Secretary of Dept. of EEE, SBCE and it concluded with a vote of thanks by Er. Sambath, Unit Secretary - KSEBEA, Alappuzha. The winners are:

- First Mr.Manu B. &Mr.Arun Prasad (EEE, S₈)
- Second Mr. Deepak Das Pillai&Mr.ChanduChandran(EEE, S₄).



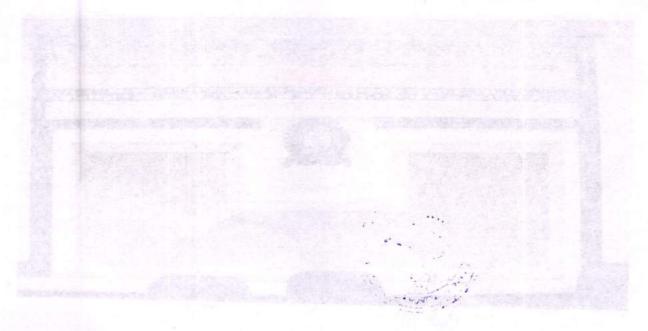
9th Annual district level seminaryonics competition of SSEB Engineer's Association held of See Huddhu College of Engineering Patroon.

The annual district rivel seconds series compatined of Secold State Electronic Board Engineers Association (SSE(19-5)) was table at Secoldand Cell-on of Engineering (SSE(19-5)) was table at Secondary of Engineering (SE(19-5)) and the Electronic Secondary of Electronic Secondary (SE(19-19-5)) and supported by that The Result Charter Electronic Secondary of the conference of partition for the factor of Engineering the conference of modes in the domain of Power Section The Topic Solutions' was argued in association with department of Electronics Solutions' was argued in association with department of Electronics and Electronics.

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Prof. Vinod V. P., HOD - Dept of EEE welcoming the audience.



Er. M. Anil, Executive Engineer, Transmission Division, Mavelikkara – KSEBEA, Alappuzha Unit delivering the Presidential address



Inaugural address by college Treasurer, Mr. K. K. Sivadasan.



Lighting the lamp.



SECTION DAY OF SECTION OF SECTION



Felicitation speech by Dr. S. Suresh Babu, Principal, SBCE, Pattoor.



Felicitation speech by Er. GangadharaKurup, Dty. Chief Engineer – KSEB (Rtd.).



Vote of thanks by Er. Sambath, Unit Secretary KSEBEA.



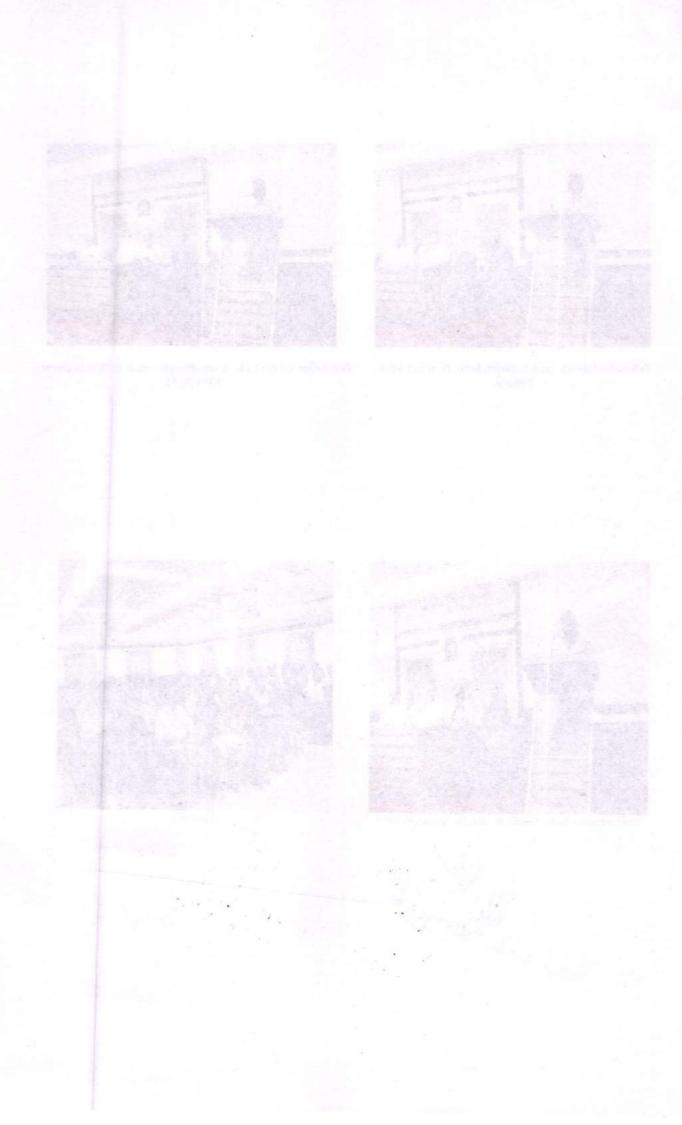
Audience.



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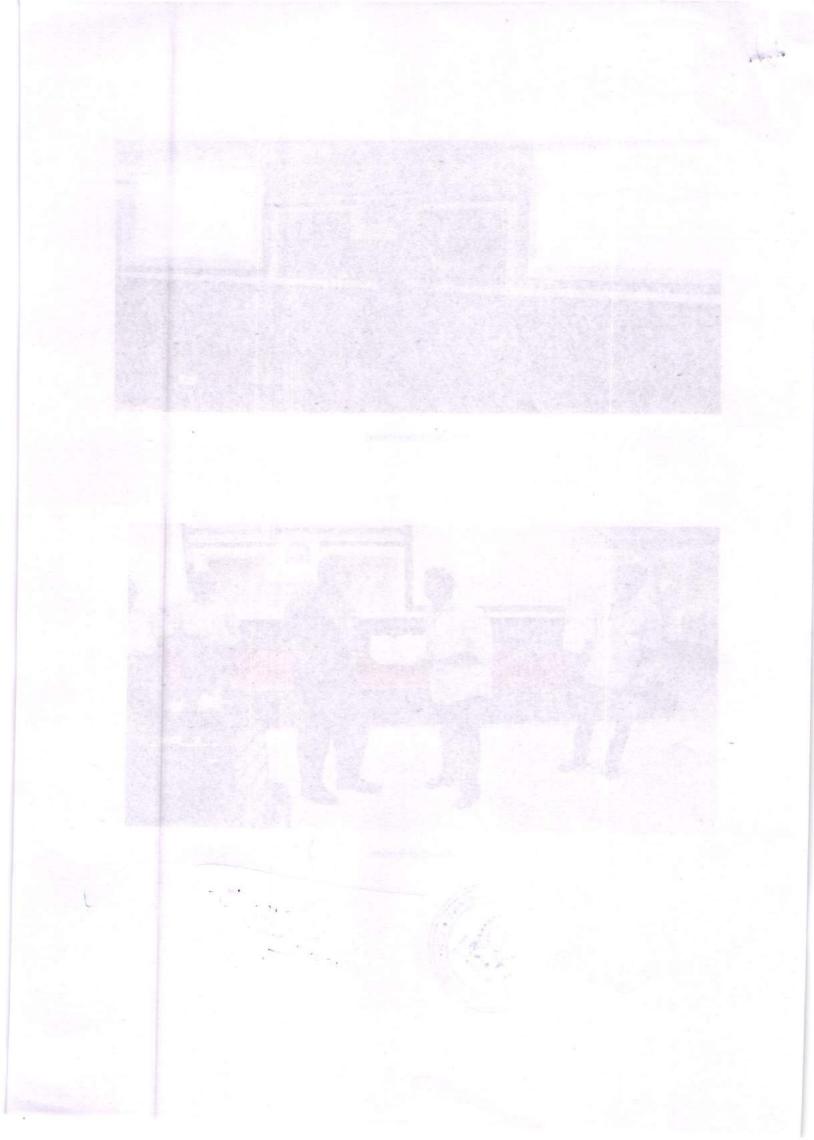


Seminar competition



Prize Distribution





TECHNICAL ACTIVITY CARRIED OUT BY KOLLAM LOCAL CENTRE

Name of Centre

Kollam Local Centre

| Citle of Activity Division | | Workshop on Google SketchUp | | |
|-----------------------------|-----------------------------|-----------------------------------|---|--|
| | | Statutory Days & Student Chapters | | |
| Date: | 11/10/2018 to 16/10/2018 | Venue | Sree Buddha College of Engineering, Pattoor | |



Arrangements for the technical talk made at Mechanical Seminar Hall



Dr. Saji Varghese, HOD, Department of Mechanical Engineering giving welcome speech



Dr. S Suresh Babu, Pricipal SBCE delivering the presidential adress



Shri, K. K. Sivadasan, Treasurer Sree Buddha Educational society, delivering the inaugural address.

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SREE BUDDHA COLLEGE OF ENGINEERING
PATTOOR P.O., NOORANAD
ALAPPUZHA (Dist), PIN - 690 529



Introduction about Google SketchUp by Shri. Suresh Kumar S



Felicitation by Pof. Madhav K, IE(I) Coordinator, SBCE

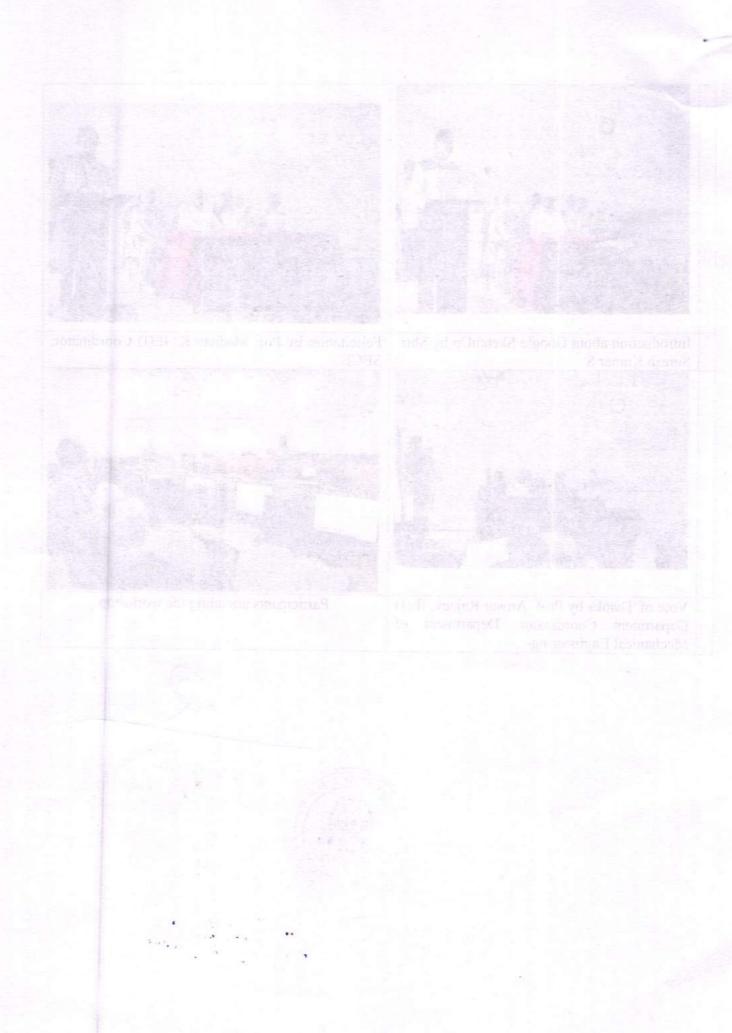


Vote of Thanks by Prof. Anwar Rajeev, IE(I) Department Coordinator, Department of Mechanical Engineering



Participants attending the workshop





Report

Sree Buddha College of Engineering, Pattoor conducted four day workshop on Google SketchUp from 11th to 16th October 2018. The Institution of Engineers (India) students Chapter of Department of Mechanical Engineering, Sree Buddha College of Engineering, Nexus Technical Solutions and The Institution of Engineers (India) Kollam Local Centre jointly conducted the workshop.

As part of the workshop Google SketchUp license has been purchased and a four day training for third semester Mechanical Engineering students have been carried out at the CAD lab.

127 participants attended the workshop. Inaugural function of the workshop was held at Seminar hall of Mechanical Engineering Department. Dr. Saji Varghese, HOD, Department of Mechanical Engineering gave the welcome address. He also gave a talk about the emerging trends in the field of designing and manufacturing.

The function was presided over by Dr. S Suresh Babu, Principal SBCE. In his presidential address he explained about the importance of various CAD/AM tools and the expertise over these tools play a major role in career path of students.

Sri. K.K. Sivadasan, Treasurer, SBCE inaugurated the function. He elaborated about the vast opportunities available to students when they gain expertise over the designing tools.

Sri Suresh Kumar S, Business Manager, Autodesk ATC, gave an introduction talk about Google SketchUp.

Prof Madhav K, IEI Coordinator, SBCE in his facilitation pointed out the role of CAD tools and design engineers.

Prof Anwar Rajeev, Staff Coordinator, Dept. of ME, SBCE gave the vote of thanks.

Dr. S. SURESH BABU
PRINCIPAL
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ASSOCIATION ACTIVITIES (2018-2019)

2018-19 Association Inauguration

The association of civil department "CASTELLOS" has been inaugurated on 21st November 2018, for the academic year 2018-19 by the chief guest **Dr. K S Girija**, Chief Town Planner, Govt. of Kerala.

Dr Gouri Antherjanam, HoD & President of the Department association welcomed the Gathering. Chairman of our institution Prof K Sasikumar has given the presidential address. Chief guest Dr K. S. Girija gave the inaugural address. From her experiences she motivated students to achieve great heights. After the lamp lighting ceremony, the handwritten magazine created by civil students "Srishty" was released by chief guest, chairman and student secretary. Felicitations are given by honor- able principal Dr S. Suresh Babu and PG Dean Dr E K Bhass. Shameer Shaji, student secretary has expressed the vote of thanks. He thanked the chief guest and other dignitaries for gracing the occasion with their solemn presence and to all students of the civil department who were the main ingredient of the function.



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ASSOCIATION ACTIVITIES (2018-2019)

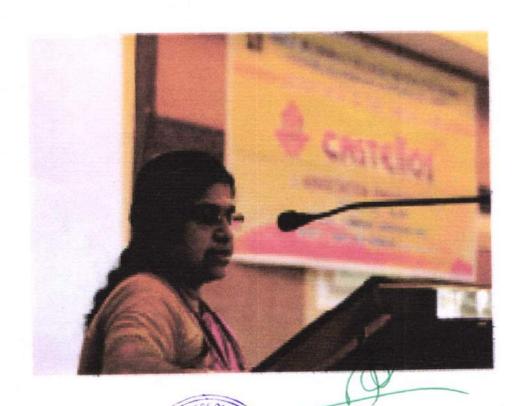
2018-19 Association Inauguration

The especiation of anyl department "CASTELLOS" has been insuranted on 21st November 2018, for the academic very 2018-19 by the chief most tire to Sarriga Chief Fown Planner. Govt of Kerala.

Or Gonri Aminegase in 11613 & Presidents of the Department association welcomed the Southering, Claimann of our institution that K. Sasiburnar has given the presidential solderes. Chief general D. M. S. Units gave the imaginal address Commons has experiences she informated sustains to achieve given heights. After the Jam's lighting executions the handwritten managed engated by civil students "Vrishty" was released by chief guest, chamman and student secretary. Felicitations are given by homoryable principal Dr. S. Suresh Babu and PG. Dean Dr. E. B. Bhass. Shameer Shap, student secretary has expressed the vente of thanks, the thanked the chief guest and other digminances for graving the occasion with their solerum presence and to all students of the civil department when solerum presence and to all students of



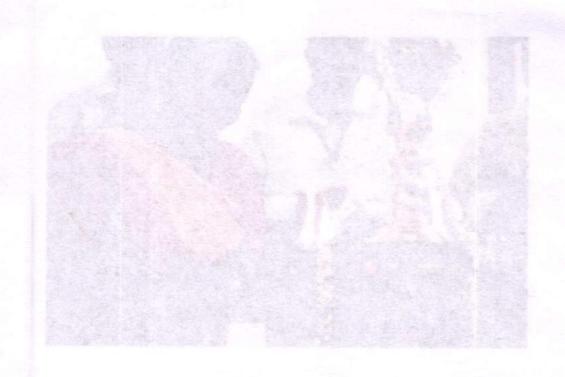


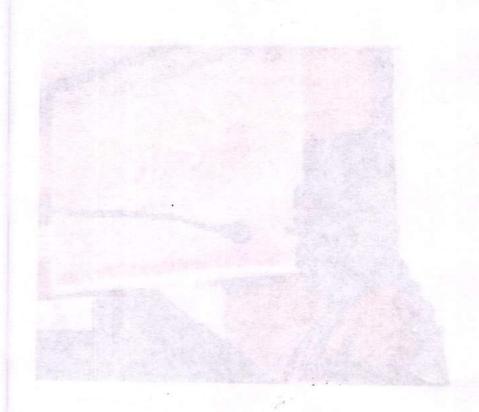


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Sree Buddha College of Engineering, Pattoor Department of Biotechnology and Biochemical Engineering

TECHFEST 2018-X' PLORE

Report

Sree Buddha College of Engineering, Pattoor organized a two day technical fest "X'Plore 2k18" on 27th and 28th November 2018. Dr Suresh kumar T O, Managing Director, Mass Automation inaugurated the function and Dr Suresh Babu S, Principal delivered the Keynote address. Sri. K. K. Sivadasan, Treasurer, SBES and Mr.Sourav, Student representative proposed felicitation. Ms. Priya, Lady Representative proposed the vote of thanks. As part of X'plore 2k18 Department of Biotechnology and Biochemical Engineering highlighted the role of biotechnology and its interventions in daily life. Event hosted student project exhibitions, demonstrative project expo and several other forums that highlighted the importance of biotechnology for sustainable development. The technical fest showcased innovative ideas that deliberated on the concept of waste to wealth, household low-cost water treatment units, bio nanotechnology, medical biotechnology etc. Medical Expo showcasing anatomical specimen from Mount Zion Medical College, Pathanamthitta was the major attraction for X'Plore 2k18". The event created a platform to share and exchange ideas of students of various educational institutions, which would ignite their minds to actively involve, interact and to enhance their knowledge. Around 2000 school students in and around 30 Km from Sree Buddha College had participated in X'plore 2K18 and students got a chance to explore various projects done by Biotechnology Students.



Dr. S. SURESH BABU

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The detailed Department Brochure about the departmental activity had distributed to the school students.

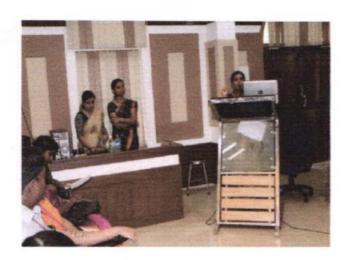
Coordinator

H.o.D







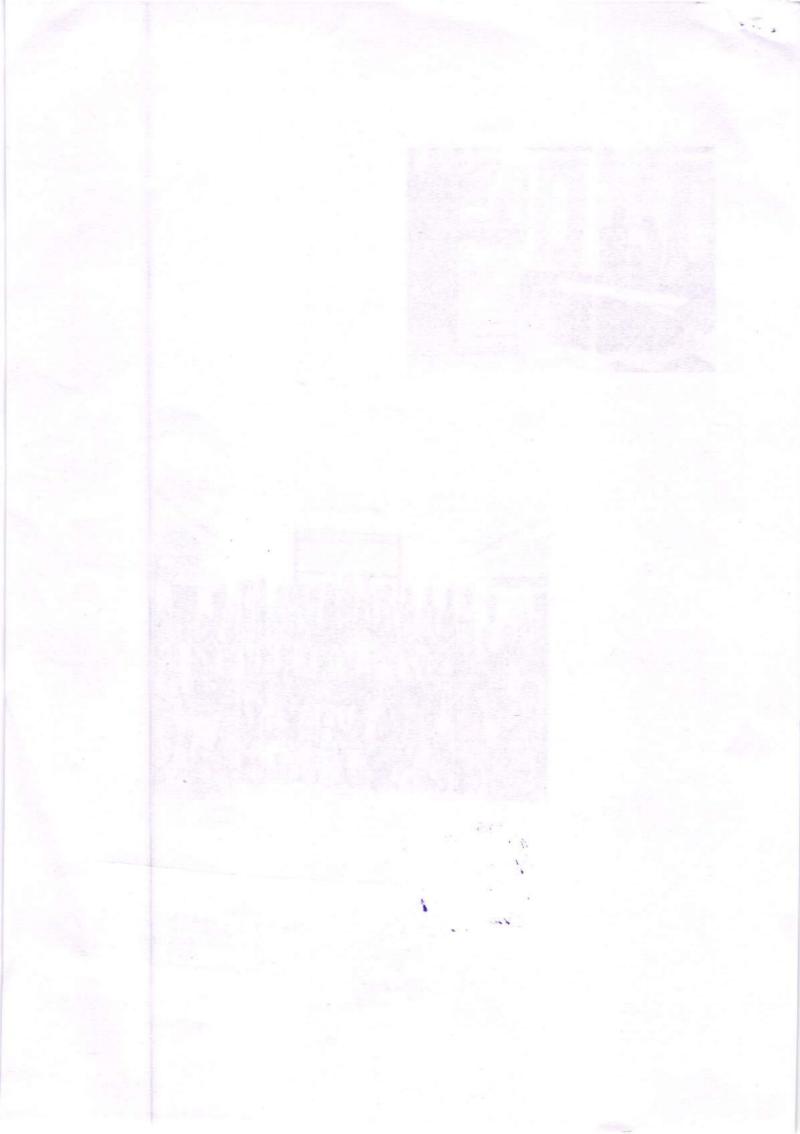








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NATIONAL CONFERENCE ON EMERGING TRENDS IN GREEN ELECTRICAL TECHNOLOGIES (NCETGET '18)

Engineering Education for Facing the Future (E2F2'18) is the second annual conference Series organized by Sree Buddha College of Engineering, Pattoor. The conference series was cosponsored by the Kerala State Council for Science Technology and Environment and Government of Kerala. It was held during April 17-18, 2018. It was a common forum for academics, industrial experts, researchers and students of engineering and technology to present their research findings, discuss recent advancements and to explore future directions in the emerging areas. About 250 technical papers were accepted in this event, which consist of six national conferences covering the focal themes of; Advances in civil, Mechanical and Bioengineering, Green Electrical technologies, VLSI and embedded systems technology and Advanced computing and communication.

National Conference on Emerging Trends in Green Electrical Technologies (NCETGET '18) conducted by Department of Electrical and Electronics Engineering was on the theme "Green Electrical Technologies" started on April 17 2018. Dr.Pinkymol K P, Associate professor, EEE, Saintgits College of Engineering Kottayam was the chief external reviewer of event for both days. Out of the 26registrations obtained, 19 paperswere from internal participants and 7 papers from external participants. The Best paper award was rewarded to Sooraj O.S, Mithun M.S [Sree Buddha College of Engineering, Pattoor] on the topic Estimating Moisture in Transformer oil, utilising a HV De-emulsification process and the Second best paper was awarded to Ajmi S, K L Sreekumar [GEC Barton Hill, Thiruvananthapuram] on the topic A Hybrid Converter with Sequential Multilevel AC and Boosted DC outputs. The program concluded with a valedictory session on 18th April 2018, 2.30pm. Best paper awards were presented to the participants by the chief reviewer and HoD, EEE.

Total Registration Amount collected is Rs. 18800

Internal Participants: 19 Internal Participants: 7

Venues: 2 Technical sessions: 8

Organizing Committee

NCETGET'18 Convener: Nandan G

Stage Committee: Mr. Sreekanth P K Registration Committee: Ms. Reema N Hospitality Committee: Ms. Gayathri V

External expert: Dr .Pinkymol K P, Associate professor, EEE, Saintgits college of Engineering, Kottayam

Co-chairs: Mr. Shanker N, Mr. Sheleel F, Micdura John Daniel, Mr. Ananthu V, Ms. Vijina K

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NATIONAL CONFERENCE ON EMPROING THENDS IN GREEN

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National Conference on Emerging Trends and executed technologies (NCEPGET 18) conducted by Department of Electrical and execute themselves Indicated by Department on April 17 2018. Lt., "make R. P. Associate professor, F.E.F. Saintens College of Engineering Konsyam was the characteristic response of event for both days. On of the "only transmitted Konsyam was the characteristic and response of and 2 papers from external perincipants. The Best paper award was ten indeed to Papers and Mithiem M.S. [See Budden College of Engineering Tanonal or the copie I saintening Molecules and Arthurshings of Engineering Tanonal process and the Science and Arthurshing at the Device Association was formally on the Language was at a state of the process of the process of the process of the Science and Review Arthurshing and the Science and S

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- Second best paper was awarded to Ajmi S, K L Sreekumar [GEC Barton Hill, Thiruvananthapuram] on the topic"A Hybrid Converter with Sequential Multilevel AC and Boosted DC outputs".
 Summary of recommendations
- · To involve more participants from other states.
- Conference proceedings to be available to all participants during registration.
- Transportation facilities need to be improved as the college is in a remote place.
- · Involving the people from industry so as to ensure industry interaction.
- The number of External reviewers to be increased to enhance the quality of judging as if more participants internal in a department.
- Online feedback system after conference recommended.



Dr.pinkymol and judging panel during NCETGET'18



During the valedictor session of NCETGET'18, Prof Vinod VP [Hol) EEE] addressing the session.

Dr. S. SURESH BABU PRINCIPAL SREE BUODHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529



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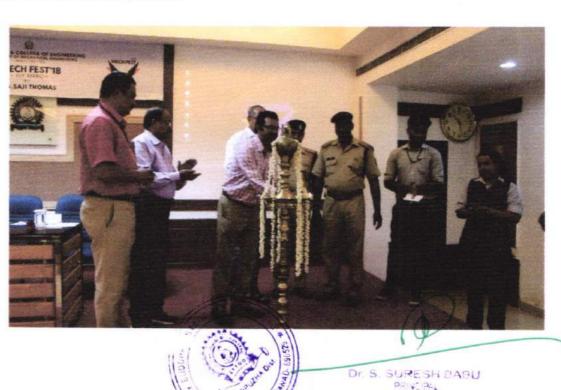


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MECH FEST - 2018 - REPORT

Technical Expoin Sree Buddha College of Engineering, Pattoor, Organized by Department of Mechanical Engineering, created a wave in students.

TheMechanical Engineering Department of Sree Buddha College of Engineering conducted a technical Expo named MECH-FEST-2k18 on 1st March 2018 which evoked an attractive participation of students from schools and colleges. The fest was inaugurated by Mr. Saji Thomas, who is a self developed engineer overcame his limitation of deafness and muteness and built an aircraft with only fourteen lakh Indian Rupees. Prof. Anilkumar A.V, HOD, Department of Mechanical Engineering welcomed the gathering. The inaugural function was presided over by Dr. S. Suresh Babu, Principal, Sree Buddha College of Engineering, Shri. K.K. Sivadasan, Treasurer, Sree Buddha Educational Society, delivered the felicitation. Mr. Akash Ashok, MOMENT, Student Secretary, delivered the vote of thanks.



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The event was successful enough to attract thousands of school students. The fest was executed with a total of around ten events including Military expo by Indo Tibetan Border Police, display of various automobile parts of KSRTC vehicle, the history of various machines along with the exhibition of students innovative project & Contraption the chain of energy conversion, Mars voyage-the journey to planet of Mars was the key attractions. The MECH FEST '18 was a grand success.

It was open for students of secondary and higher secondary schools, other engineering institutions, to get a good exposure of all the above organizations in a single roof and obtain knowledge and awareness about various fields in engineering. The momentous achievement of this program was the participation of more than 700 students from various schools and colleges.

Events:

1. The Brigade

Officials from Indo Tibetan Border Police, Punalur, displayed their various military weaponry, both light and heavy duty combat items including machine guns, sniper rifles, grenades, mortars etc. It was the major eye catching item of the fest as everyone got mesmerized by getting the technical know-how of machinery used in warfare



The event-was successful enough to abrest thorogonds of school soldents. The fest was exercised with a road of around conferents and ding will any experts and of the third of the time Border Folice display of various automatic entire this one of students inconting the history of various machines along with the exhibite of of students incovative project Samp; ideas, Countyment the chain of energy conversion, Mars voyages the journey to planet of the was the key attractions. The MECH FEST 18 was a grand success.

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Events:

t. The Brigade

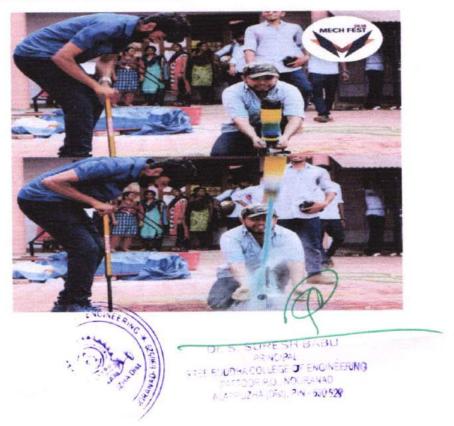
Officials from indo Tibetan usualer Poince Puralus there welcome machine unilitary weaps new both light and beavy duty combot trens including machine guns, supportifies, granulus, mortaes etc. In was the many eye catching item of the lest as everyone get new marked by getting the neck tight longer-how of machinery used in warfare.



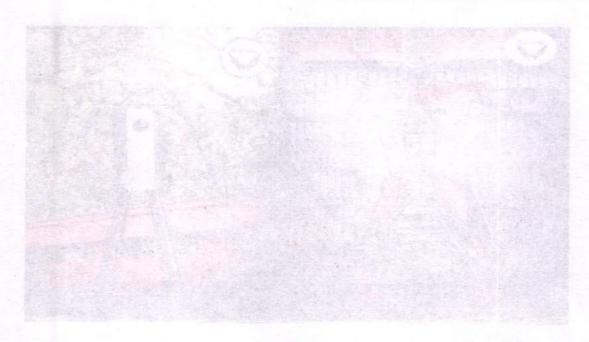
4. The art of Machine Elements



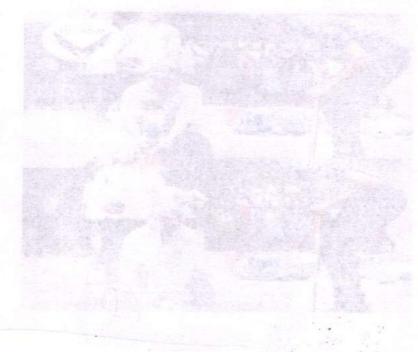
The expo focused on how we can use the scrap, recycle them to create machines in the most effective way and make it aesthetic to the audience. The Robot developed from thrown away automobiles parts was one of the centres of attraction. Also the water missile based on the Legendary Pascal's law was an eye catcher for both students and faculties.



b. The art of Machine Elements



The exposed on how as a one the scrap recycle them to create machines in one most effective way and make it sestimate to the audience. The Robert developed from thrown away automobiles pairs was one of the centres of attraction. Also the water missing based on the Legendary Parcal's law was an eye catting for but's succents and tagendary Parcal's law was an eye.



Students designed and fabricated a "Light House" in the centre of Mechanical & Electrical Engineering block, stood as the backbone of the event. The circular water fountain designed by the students at centre pond created a cool ambience in the fest.



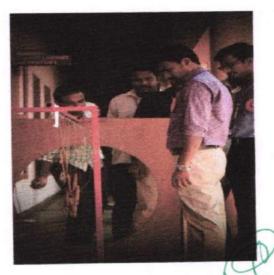
5. Brained

The event included various innovative projects and ideas created by the students. The semi-automatic jackfruit dressing and packing machine which one won the best innovative prize in TEKON 2018 was the centre of attraction in the event. The All Terrain Vehicle developed by the students created a blood rushing aspiration for students interested in machines and automobiles. Various other projects like compressed air car, water weed machine, exo-skeleton, automatic painting machine and kinematic art were other projects displayed in the event.

Dr. S. SURESH BABU PRINCIPAL SREE BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD ALAPPUZHA (Dist), PIN - 690 529









*Dr. S. SURESH BABU

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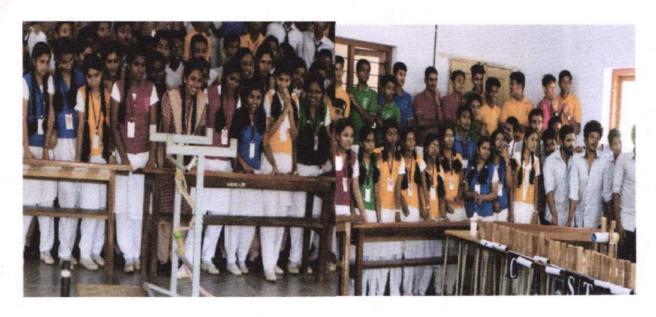


6. Contraption

A Contraption is a chain of different energy conversion steps in which one step trigger the next one leading completion of final task. Everyone who watched the event was blown away by watching the interaction of various components, how the lifeless items create a sequence of motions creating the perspective that they are alive.

Dr. S. SURESH BABU

BUDDHA COLLEGE OF ENGINEERING PATTOOR P.O., NOORANAD



7. Agneya

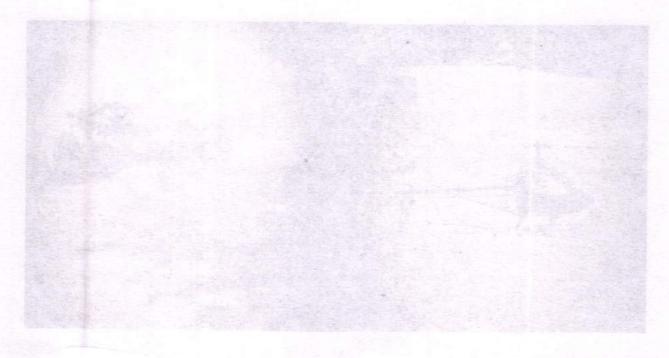
The expo focuses on the display and performance of various RC cars and planes. It was a refreshment show to experience how model cars and planes perform in their respective environment controlled via a wireless remote. An air show using drones and minicopters in the college campus attracted a good public attention.





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The experioruses on the display and performance of various RC cars and planes. It was a refreshment show to expendence how medicious and planes performing their respective environment controlled via a wireless. Sincte An all show using drenes and an ricopress in the cellege compus areacted a good public attentions.



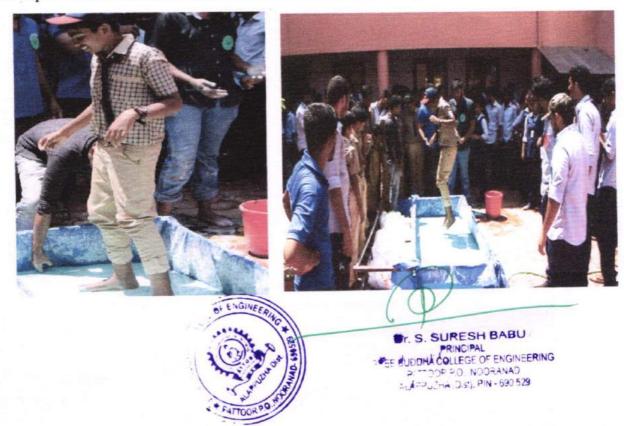
8. The History

An expo on the history of various machines. It was an exhibition showing the history and development of various machines from there spark to latestform. This included ships, cars, motorcycles, submarines, helicopters, aircrafts etc.



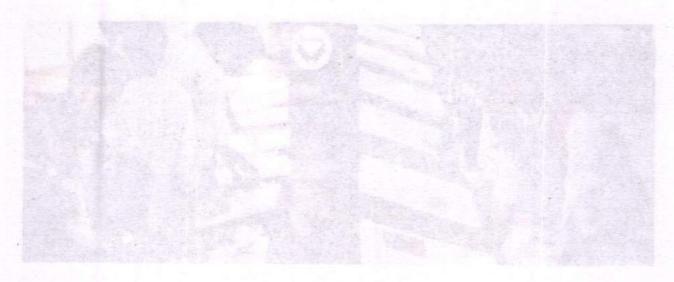
9. Splash

It was a display showing the property of Non-Newtonian fluids. A Non-Newtonian fluid bath created by the PG students stood as a wonder attraction as one was able to experience how a fluid can act as a solid as well a liquid at the same time.



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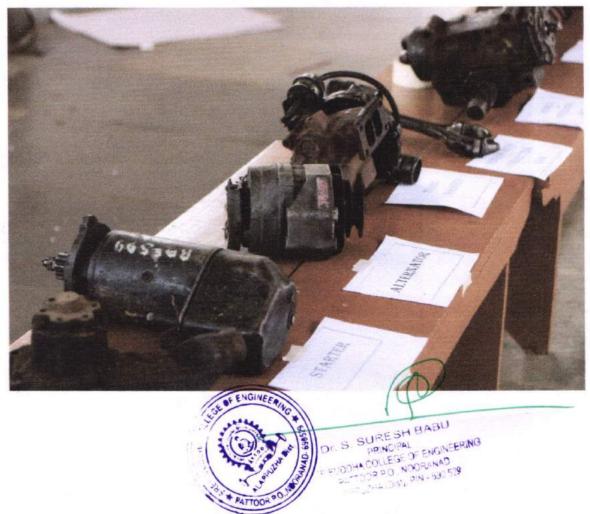


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10. KL-15

The expo focuses on the display of various automobile parts used in KSRTC vehicles.





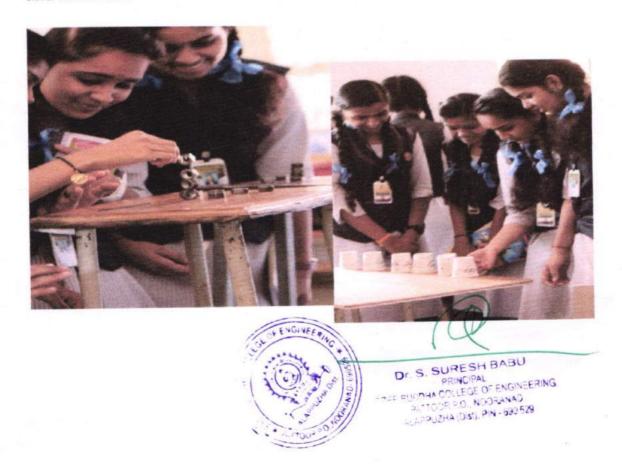
11. Why Mech?

It was a presentation on the latest trends and research works in the field of Mechanical Engineering. It inspired the students a lot about the various job opportunities and working environments of a mechanical engineer.



12. Fun games

In Fun Gaming events participants battle each other to show their gaming supremacy. With fun and games all around, participants head over here to relax and have fun.



A Brief Report

On

2 Day National Conclave on

Accreditation and Bench marking

Organised by

Internal Quality Assurance Cell (IQAC)

Sree Buddha College of Engineering, Pattoor

Internal Quality Assurance Cell (IQAC) of Sree Buddha College of Engineering organizes a National Conclave on "Accreditation and Bench marking: An approach towards quality enhancement in technical education on 21- 22ndDecember 2018.

The workshop was opened with the welcome note byDr. M. S. SenthilSaravanan. Organizing Secretary & Coordinator- IQAC in the inaugural session at 9.30 am on 21st Dec, 2018. Dr. S. Suresh Babu, Principal & Chairperson- IQAC explained about the conclave. In his speech, he mentioned about the various programs organized in SBCE to promote awareness about the quality enhancement. The felicitation address was given by Shri. K. K. Sivadasan, Treasurer, Sree Buddha Educational Society. Mr. Binusankar, Director, Ernest & Young inaugurated the Conclave and Dr.Gopakumar, Coordinator of National Conclave delivered the Vote of Thanks.

During 1st session after inauguration, Mr. Binusankar delivered a plenary talk on Engineering education in India: Vision 2030. He said that Contribution to National Development, fostering global competencies among students, inculcating value system in students, promoting use of technology and quest for excellence are the core values of future engineering education.

In the afternoon, Dr.Sajivarghese, NBA Coordinator of SBCE delivered speech on Outcome based education. In his speech, the need of OBE in higher education sector and the advantages of implementing OBE. Later he gave a hands on experience in writing outcomes of the courses offered in Engineering Colleges and explained the mechanism of calculating the level of attainment in each courses.

The second day of the National Conclave was opened with Dr. T.O. Suresh Kumar, Managing Director, MAKS Automations at 9.30 am. He has thrown light on Entrepreneurship quality of students. He has enlightened on how to prepare students as entrepreneurship. The second session of the day was opened with an invited speech by Dr. Manoj A S (Senior Knowledge Officer, ICT Academy Kerala) on "How to mould industry ready professionals from campuses".

In the afternoon, the session was opened for debate and paper presentation. Two papers were presented and a debate on quality enhancement by accreditation.

The workshop was concluded with the valedictory session at 3.30 pm on 22.12.2018. Dr. S. Suresh Babu presided over the fund and distributed participant certificates. Participants

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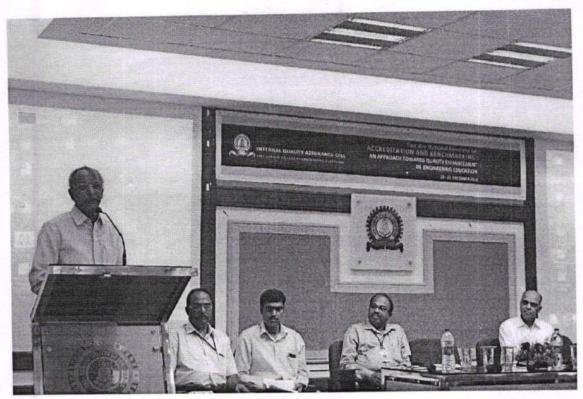
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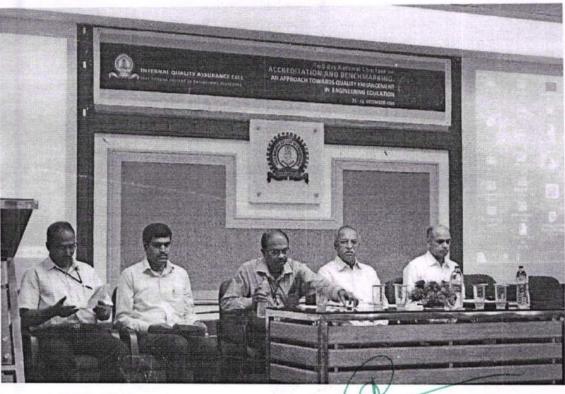
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ALAPPUZHA (DST), PIN - 690 574

have expressed their pleasure attending the workshop and interacted with the resource persons during and after the sessions.







Dr. S. SURESH BABU

Dr. S. SURESH BABU

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SEMINAR ON GOOD CONSTRUCTION PRACTICES

A seminar on 'Good construction practices' was conducted by PGIF, Department of Civil Engineering, SBCE on 14th 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 am. Dr. E. V. Nampoothiri, U.G Dean delivered welcome speech. Principal Dr. S. Suresh Babu then delivered presidential address. Shri K. K. Sivadasan, treasurer of Sree Buddha Educational Society and Dr. E. K. Bhass, Head of Department 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.

He 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 about 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, PG scholar then delivered vote of thanks.

The programme was highly inspiring and informative.

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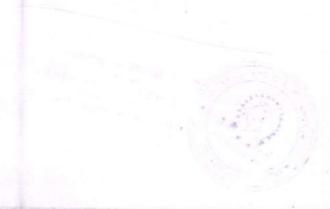
SURESH BABU

SEMINARION GOOD CONSTRUCTION PRACTICES

A seminar on Good constitution practices was conducted by PGH. Department of Civil Engineering, SECT on 1.1° November 2016 of Civil department seminar half, for T. P. Madhushodanan, bick-consultant Habital exhibition of Civil department sensitive chief guest from grand for 10.10 am Dr. E. V. Narapooring, T. Co., delivered welcome speech Principal Dr. S. Suresh Bubu then delivered providential actions whi E. C. Suresh Bubu then delivered providential actions whi E. C. Suresh Bubu then delivered providential actions whi E. C. Suresh Bubu then delivered providential actions whi E. C. Suresh Bubu then delivered providential actions which the continual services and fifth sense to Departmental colling of Good Construction Processes P.G. Schulers and fifth sense to D. Students of the department attended the schulet.

He started the semman in showing once photographs of structures by Dimerci at Schinkar, which were taken by him. The week next day of the distance that he made the sudicues understand what off configuration produced when off configuration practices were not offewed. He sureyed about the need by hillowing good and sustainable constitution practices, like passe a humanitation direction to manuscropp produces. Or 1. K. Bluss, mark concluding remarks.

The programme was highly inspirite and informative





Dr. E. K. Bhass, Dr. E.V. Nampoothiri, Dr.S.Suresh Babu, Shri K.K.Sivadasan with the guest Er.T.P.Madhusoodanan

NATIONAL TECHNOLOGY DAY CELEBRATION 2016

National Technology Day is celebrated as a symbol of quest for scientific inquiry, technological creativity and the translation of that quest in the integration of Science, Society and Industry. This day is also celebrated to honour technological innovations and their successful commercialization which makes fruits of research reach people at large.

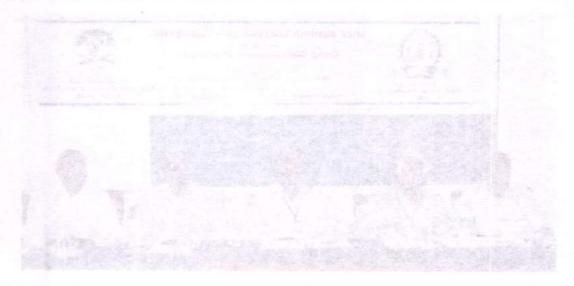
Sree Buddha College of Engineering, in association with Kerala State Council for Science Technology and Environment (KSCSTE) celebrated National Technological Day on 11 May 2016 at conference hall. KSCSTE funded the celebration.

Prof. V. Prasad, Secretary, SBCE, Dr. S. Suresh Babu, Principal, SBCE & Dr. E. K. Bhass, HoD Civil & Dean (PG) (Advisor) were present for the function. Mr. C. P. Dinesh, Managing Director, FRBL and Mr. Shyam Kumar, Managing Director, ENGEN Dealers and Consultants, Trivandrum were the invited guest for the celebration

Dr. E. K. Bhass, welcomed the gathering. He also mentioned on the need for advanced research in engineering colleges.

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Dr. E. K. Bhass, Dr. E. V. Frangoutter, Dr. S. Saresh Balke, State E. K. Standard with the guide.

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NATIONAL TECHNOLOGY DAY OF ESPATION 2016

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Siee Birdetin College of Engineering, in association with Kerala State Council for Science I - Implome undillinenement (KSCSTF), elebrated Similard Econological Day on El May 2016 generalence had KSCSTF funded the celebration.

Prof. V. Prased, Sourciary, SEC., Dr. S. Sansah-Baba, Pencapal, SHAT, & DR. E. E. Bijass, Holl Carli & Dem (PG) (Advisor) were present for the function. Mr. C. P. Dinteh, stangary D., odov, FRBI and Mr. Skyam Kumor. Memoring Director, ERGEN seeders and Corontrop. For goding were the increase for the celebrate or

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Dr. E. K. Bhass welcoming the gathering

Dr. S. Suresh Babu presided the function and delivered presidential address. Prof. V. Prasad felicitated the gathering. They stressed upon the importance of technological innovations in transforming India. Engineers should involve in technological developments by utilizing the potential resources available, without affecting nature.

Mr. C. P. Dinesh, Managing Director, FRBL inaugurated the celebration by lighting the lamp. Following, he delivered a technical talk on 'Prefabricated GFRG panels for mass housing'. The session was informative and interactive. He envisaged a new dimension in cost effective housing methods.

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Dr. E. K. Bless welcoming the gathering

Dr. S. Surech Lights regarded the Lanction and delivered presidented address Perf. V. Prased for others of the principal They at escal upon the a paramosa of technique of the lands of the

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Mr. C. P. Dinesh inaugurating the celebration

Mr. Shyam Kumar, Managing Director, ENGEN Dealers and Consultants, Trivandrum delivered a talk on 'Humanitarian Technologies'. He took the gathering to a new world of innovative ideas. He also stressed upon the need on start-ups.

Dr. S. SURESH BABU

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Mr. C. N. Dinesh ingregurating the calchestion

Mr. Shyan Stares Managed Director, INGEN Dealers & Lessahams, Levindent delivered a spirout Humanuturian Lechnologies. He neek the callecting to their Worldon impositive ideas. Us sixu stressed upon the need on statement.

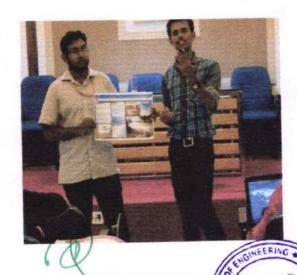


Interactive session of Mr. Shyam Kumar with the audience

Ms. Sreelekshmi S., Assistant professor, Dept. of Civil Engineering delivered vote of thanks.

UG students and PG scholars presented innovative project ideas such as Bamboo reinforced concrete, Bio-sand filter, Cost effective automatic dimmer for automobile headlight, pneumatically powered wheel chair-stretcher, Power generating slabs etc. Participants utilized the platform effectively.





ACTIVITY REPORT

Dr. S. SURESH BABU
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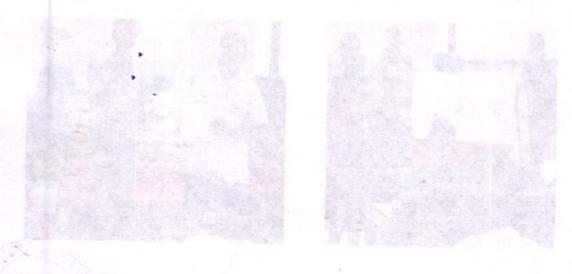


later active session of Mr. Say, or Komar with the audience

Ms. Steek Lehmt V. Assistant professor, Pape of Civil Instruments delivered vote of

The students and Ph. scholars presented amounts's present ideas such as Brudion remforced conserve. Six soud littles clost ediscusse amounts a function for automobile benefits in present the conserved about and such sureless Power secretains alone etc.

Therefore affice the platform effectively.



EEE Dept. Association Activity ONE DAY WORKSHOP ON MATLAB

As part of the Electrical Department Association activity, Department of Electrical and Electronics, SreeBuddha College of Engineering, Pattoororganized a one day workshop on "MATLAB" on 19th February, 2016 at Seminar Hall, EEEBlock. Department association faculty in charge Asst. Prof. Chama R Chandran welcomed the gathering. Dr. B. Jayanand, Professor & HOD, Government Engineering College, Thrissur conducted the sessions.

The workshop was conducted for B.Tech (6th and 8th semester) and M.Tech (1st year) students.It gave an insight to the basic concepts of MATLAB software. In this competing environment, apart from an Engineering degree every company is looking for an additional certificate course for their candidates. In this regard, our department has organized such an event to add an additional course for the students.



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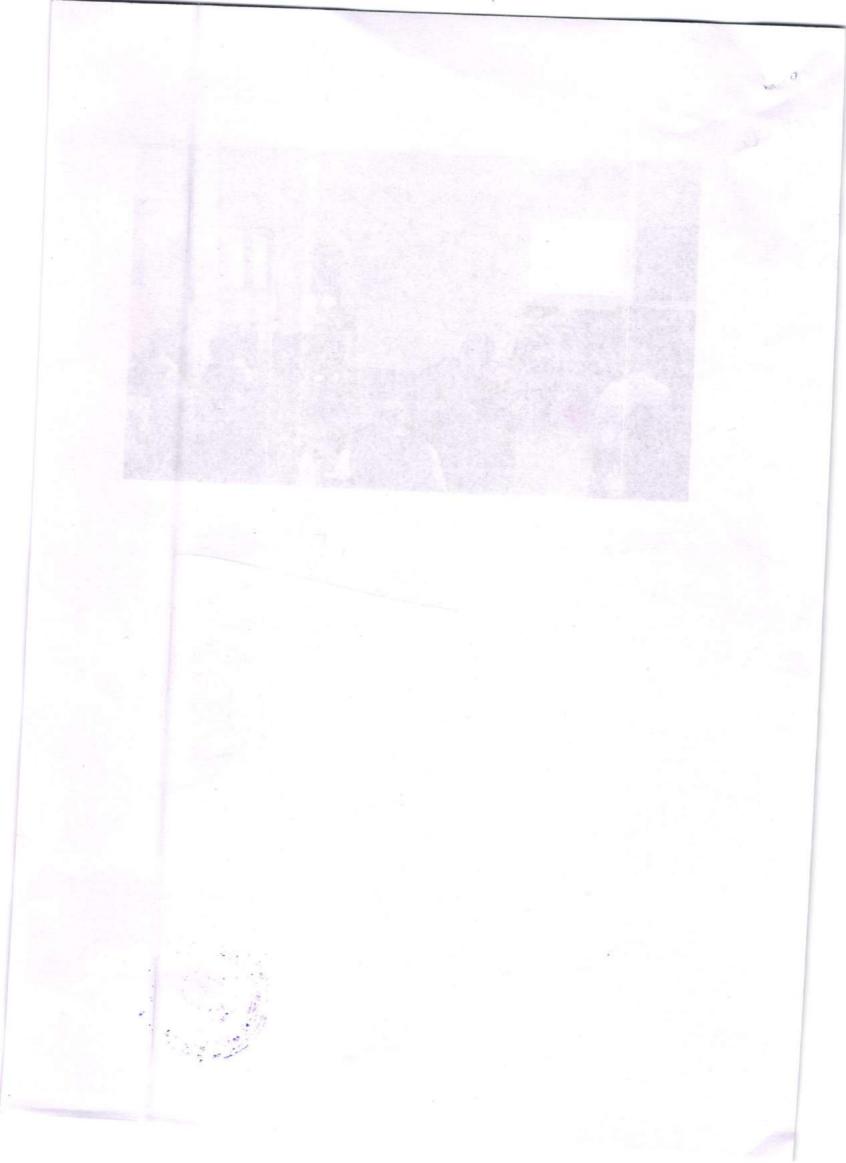


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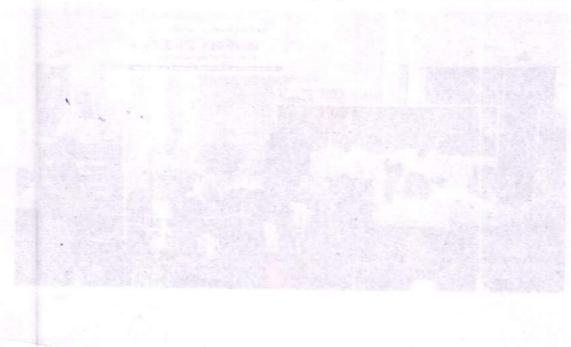
KARMA, a social welfare initiative of the student fraternity of Department of Electrical and Electronics Engineering (EEE) of Sree Buddha College of Engineering (SBCE), Pattoor took place at Mavelikara General Hospital from 25th Feb 2017 to 27th Feb 2017. It was flagged off by Sri. R. Rajesh, MLA, on 25th February 2017 and students along with the staff of the EEE dept. performed the electrical renovation of two blocks of the hospital. The programme ended up with dedication ceremony on 27th February 2017. The valedictory meeting was presided by Dr.Mithun M S, HOD, Dept. of EEE. The renovated wards were dedicated by Dr. S Suresh Babu, Principal, Sree Buddha College of Engineering to the nursing Superintendent C. Rosamma. During his dedication speech, Dr. Suresh Babu identified the labour and hard work of nearly 40 students and staff of the EEE dept as the force behind the success of this activity. The function was attended by staff coordinators of the EEE dept, Prof. Vishnu J and Prof. BibinThankachan along with the student co-coordinators Mr.MunnaDev S and Ms.Amritha Ganesh and other staff and students of the dept.



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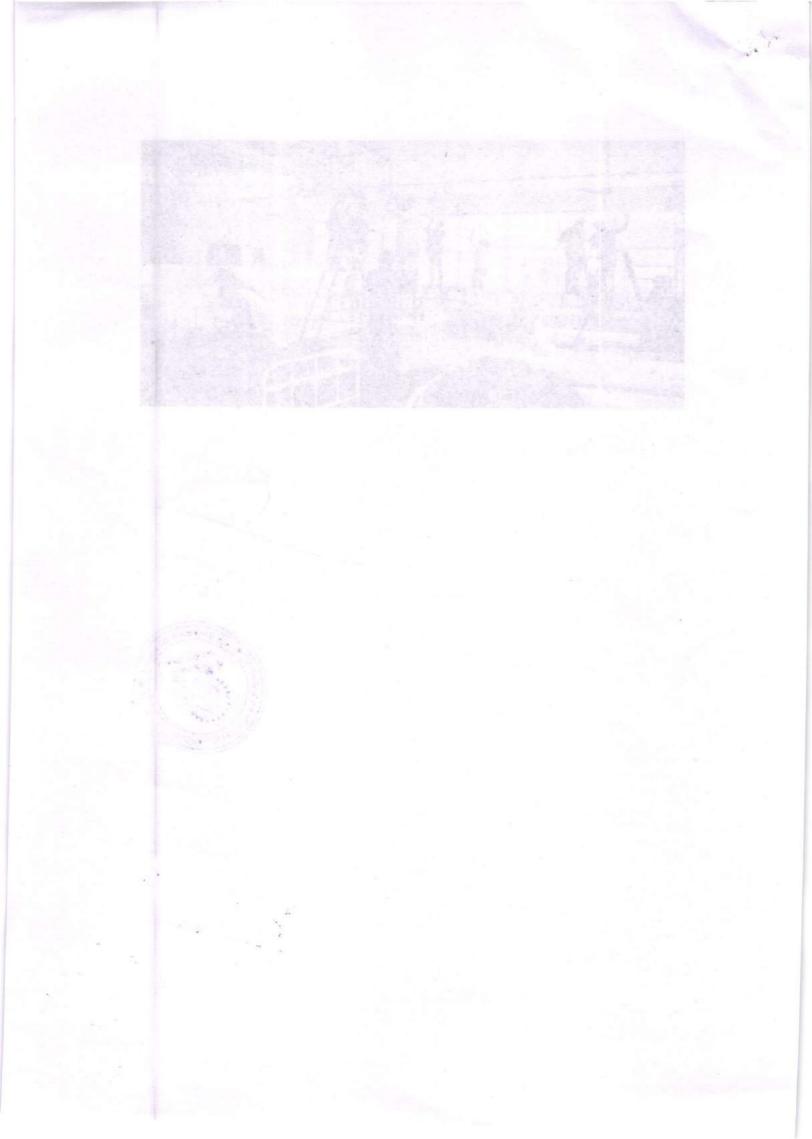
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