



Sree Buddha College of Engineering

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.





The following topics were 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.

ENTREPRENEURSHIP AWARENESS PROGRAMME FOR THE IEDC STUDENT MEMBERS OF SREE BUDDHA COLLEGE OF ENGINEERING BY DISTRICT INDUSTRIES DEPARTMENT

The Entrepreneurship development centre of Sree Buddha College of Engineering in association with District Industries Department conducted an awareness programme for the IEDC student members of the college on 18 September 2018 in Civil block Seminar Hall. The Programme started by 10.00 am with an inaugural session. The welcome speech was given by Mr. Gopu Darsan, IEDC coordinator, Sree Buddha College of Engineering. The presidential address was given by Sri A. Haneefa (Assist. District Industries Officer, Mavelikkara). The awareness programme was inaugurated by Sri K.B. Radhakrishnan, Manager, District Industries Centre (Rtd.). The keynote address was given by Sri Ajimon (Manager, DIC, Alappuzha). The inaugural session ended with a vote of thanks by Mr. Bilal Bin Nazar (student IEDC Coordinator, Sree Buddha College of Engineering). The awareness programme was taken by Sri K.B. Radhakrishnan, Manager, District Industries Centre (Rtd.) where he started with a motivation session which made students aware about the importance of time management, risk taking mentality to become an Entrepreneur. The Session also included the importance of IPR and Patenting of ideas. He also introduced the various schemes available under the DIC to begin a Startup.



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



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



SREE BUDDHA COLLEGE OF ENGINEERING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

REPORT ON TECNICA 2K17-INTERNET OF THINGS

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.



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 importance of technology in Space missions and had a

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.





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

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.

