

Workshops

Organizing workshop help to acquire knowledge in a particular field. It provides a chance to interact with experts from the specific field. Students tend to learn about latest information and skills related specific domain which meets industry requirements.

Nowadays, the market is very much demanding and we often come across the issue regarding the level of higher education not meeting the industry expectation. To bridge this gap and equip the students of current generation with new-age technologies, seminars and workshops play an imperative role. Ensuring a proper flow of knowledge Seminars and Workshops assist in passionate interaction and active participation boosting the skills and expertise of students.

Workshops are great for sharing knowledge around a specific topic and teaching participants practical skills in a short period of time. Workshop PowerPoint presentation is what you need to introduce your audience into a one-of-a-kind educational experience or create a new one from scratch with the workshop.

Shridevi Institute of Engineering and Technology regularly organizing workshops on latest technologies which satisfy industry requirements.



Sri Shridevi Charitable Trust (R.) SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106. Karnataka.



Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: <http://www.shrideviengineering.org>

Two Day's Workshop On Analog Design

Title: Analog design

When: 15.11.2018 to 16.11.2018

Where: Shridevi Institute of Engineering & Technology ,Tumkur

Category: Workshop

Target Audience: Students of 3rd & 5th Semester students of ECE & EEE

Venue : EDUSAT Hall & VLSI Lab

Resource Person: Sri Saragur Narasimhan, System Architect, Saroja Enterprises & Saragur Systems,Mysuru

In collaboration with Shridevi Institute of Engineering & Technology and BITES announces two days workshop on

Analog Design

Venue – EDUSAT Hall,ECE Department, Shridevi Institute of Engineering & Technology, Sira Road, Tumkur

November 15 & 16, 2018.

Description:

It was the great day for ECE & EEE Dept. of SIET when the Two Days Hands-on Workshop on Analog design was inaugurated by the principal Dr.T Hemadri Naidu, presence of Vice Principal Dr. H.B. Pani raju, HOD Dept. of ECE Mr. Aijaz Ahamed Sharief & coordinator madhu B.C dated on November 15, 2018

Workshop Summary:

This is two days orientation workshop to analog design. Sri Saragur Narasimhan, System Architect, Saroja Enterprises & Saragur Systems,Mysuru taught the students introduction about analog design and analog mathematics, simulations on opamp such as differential opamp, integrator and inverting and non inverting amplifiers ,non inverting summer ,MOSFET ,Differential opamp. the simulations conducted using software tina done by hands-on experience. This workshop gives an exposure to participants about analog design, simulation & its applications. we are thank full to Sri Saragur Narasimhan, System Architect, Saroja Enterprises & Saragur Systems,Mysuru & sri KNM murthy, chairman, BITES on behalf of management, principal ,staffs & students.



Inauguration of two days workshop on Analog Design by Dr. Hemadri Naidu, Principal, SIET, Tumkur.

Technical Symposium & Quiz Contest 2019

Department of Electronics and Communication Engineering organized a one day Technical Symposium and Quiz Contest “Pragnya 2019” on 21/03/2019 at EduSat Hall, SIET Main Block.

Date : 21/03/2019

Venue : EduSat Hall

Target Audience: All Students of 4th, 6th & 8th Semester.



One day Technical Symposium and Quiz Contest



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Sira Road, Tumakuru - 572 106. Karnataka.

Department of Computer Science & Engineering

Cordially Invite you for the Inauguration of

A One Day Workshop on

BIG DATA & DATA ANALYTICS

In association with



Inauguration by

Dr. M. R. HULINAYKAR

Chairman & Managing Trustee,
Sri Shridevi Charitable Trust (R.), Tumakuru

Sri. M. S. PATIL

Director - HR & IT, SCT, Tumakuru

Chief Guest

Dr. PRADEEP PATIL

Director
Skenper Technologies, Tumakuru

President

Dr. HEMADRI NAIDU T.

Principal, SIET



Organising under:



CSI - SIET STUDENT CHAPTER

Date: 22nd March 2019

Time: 8:30 am

Venue: EduSat Hall, SIET Main Block

Prof. CHETHAN M. S.

Asst. Professor - CSE
Programme Coordinator

PRINCIPAL
SIET., TUMAKURU.

Prof. SHANMUKA SWAMY C. V.

Associate Professor & Head - CSE
Convener



Three day Workshop on “Embedded Systems and IoT”

Date of Conduction : 22-04-2019 to 24-04-2019

Venue : Network lab and microprocessor Lab, SIET, Tumakuru

Activity : Workshop

Description:

A Three day workshop was organized by Dept., of CSE on “EMBEDDED SYSTEMS AND IOT” in association with BITES under CSI-SIET student chapter in SIET, Tumakuru from 22-04-2019 to 24-04-2019 for 8th & 6th Sem CSE & ISE students. The objective of this workshop was to cover the programming in Embedded systems and integration of IOT.

The inauguration ceremony for the workshop was conducted at 9.30AM on 22-04-2019 in Edusat Hall. The inaugural programme was graced by chief guest Sri. Narasimhan.S.M, CEO, Saroja Enterprizes, Mysuru. Guest of honor Sri. M.S.Patil, Director, HR & IT, SCT, Tumakuru, Presided by Dr. M.R. Hulinaykar, Chairman, Sri Shridevi Charitable trust, Tumakuru, Dr. T. Hemadri Naidu, Principal, SIET, Tumakuru, Prof. C V Shanmuka swamy, Convener, Associate Professor & Head, CSE dept., SIET, Tumakuru & Prof. Chethan M S, Assistant Professor &, workshop coordinator, Prof. Raghu Nandan.R Assistant Professor and CSI Coordinator CSE dept. Faculty members of CSE Department and participants (8th & 6th sem CSE & ISE students) were present in the function. The Master of ceremony was Prof. Raghu Nandan.R , Asst professor, CSE dept. The function started with invocation by Ms. Bhargavi Bapu.M 8th Sem CSE , welcome speech delivered by Ms. Prarthana. M. G, 8th Sem CSE. The inaugural function was inaugurated by lighting the lamp by dignitaries on the dais, Prof. Chethan M S, Assistant professor, CSE dept., introduced the chief Guest Sri. Narasimhan.S.M, Dr. T. Hemadri Naidu, Principal, addressed the gathering and vote of thanks was delivered by Ms. Harshitha.B.C.

The chief Guest Sri. Narasimhan.S.M addressed the gathering. He congratulated the participants and organizers for taking the initiative for organizing workshop Embedded Systems and IOT. He highlighted the scope of Embedded system and integration of IOT. Dr. Hemadri Naidu T, Principal, in his address described about scope of learning new and upcoming technologies that enhances the placement opportunities. He motivated the students to avail best out of this three day workshop and gain insight into design aspects to take up the innovative projects. The inaugural was closed by Thanksgiving. Vote of thanks was offered by Ms. Harshitha.B.C CSE student. She thanked all the invited guests and participants for gracing the occasion by their solemn presence.

On day-1 the sessions of workshop was started by inauguration. The speaker Sri. Narasimhan.S.M, CEO, Saroja Enterprizes, Mysuru has deliberated the basic programming interface of embedded programming.

The website for the IDE is www.embed.com in this website the program can be written and compiled.

Embedded Design Solutions Workshop

1. Introduction to ARM University program and registration
2. Introduction to Open source Embedded Systems
3. Introduction to the ARM Architecture
4. Introduction to few multiple vendor platforms (NXP, SiLabs, ST Micro etc)
5. Introductions to Boards, Modules and Components
6. Hands on software/firmware for all the experiments listed below

After lunch the afternoon session started, in this session hardware components were distributed to batches and a basic blinky Led program was written.

The program was written and compiled for different boards and taught how to load the program into the board.

Hands on (complete H/W and S/W) the below experiments on three platforms

General purpose IO interfaces

Blink LED to start with

PWM output on led ports

Segment LED interface

LCD interface

Key buttons interface

The day ended with lab session on the learnt programs of the day.

On day-2, The speaker Sri. Narasimhan.S.M, CEO, Saroja Enterprises, Mysuru; taught about Timer interface, Interrupts handling, ADC interface, DAC Interface. Motor interface, Relay interface, Waveforms generations for specific drives (Sine, Ramp, triangular etc), Different types of Sensors interface (Ultra Sound, Temperature), Infra red LED interface, USB Interface, RS232 Board to Board communication, Board to PC communications, I2C Board to Board Communications, SPI Board to Board Communications, Details of Module interfaces like Xbee, Blue tooth, Wi-Fi, GSM, GPS etc, Test points are available for waveform measurements with the scope.

On Day 3 , the resource person thought about the Advance Modular Interface Programming . In the morning session, the students coded temperature variation program, the port consists of Temperature Sensing Unit, LCD Module, Switching Device, Driver, PWM generator,. It will operate based on the values or ranges of temperature in the system which is detected by the Temperature Sensor. The Temperature Sensor consists of an LM35 IC. The temperature sensor is connected to the ADC input of the PIC μ C. It converts the analog input to a digital value.

Next student's coded sine and cosine wave signal generation program, to generate sine wave one needs to output various analog voltages of different values between -1 to +1 multiplied by amplitude. Here for the experiment 20 different values, students repeated them thus generating a periodic approximation sine wave.

In an Afternoon session, coding was done for detecting targeted object using Ultrasonic sensors. Ultrasonic Sensors measure the distance of target objects or materials through the air using "non-contact" technology. They measure distance without damage and are easy to use and reliable. This kind of sensors is very common maker's community as well as industrial applications. They are pretty cheap and interfaced with minimal electrical circuitry setup.

Ultrasonic sensors operations mainly dependent on ultra-sound waves. They send some sound waves in the air, which will reflect back to them to tell how close an object is to the source of the sound wave.

The Resource person Sri. Narasimhan.S.M, CEO, Saroja Enterprizes, Mysuru addressed the gathering of the valedictory function. He expressed his appreciation towards the participant's enthusiasm in the workshop. Dr. Hemadri Naidu T, Principal, SIET, felicitated the resource person and also addressed the gathering. He described about how embedded technology is used in smart cities. The certificates were distributed to the participants by the dignitaries. The participants were given chance for the impression on the workshop. The Valedictory function was closed by Thanksgiving. Vote of thanks was offered by Ms. Chandana H, 8th sem CSE student. She thanked all the invited guests and participants for gracing the occasion by their solemn presence.



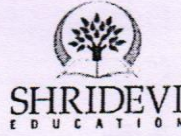
Inaugural Function



Workshop in Progress



Valedictory Function-Certificate distribution



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Sira Road, Tumakuru - 572 106. Karnataka.

Department of Computer Science & Engineering

Cordially Invite you for the Inauguration of

A Two Day Workshop on

● MACHINE LEARNING AND ITS APPLICATIONS

Inauguration by

Dr. M. R. HULINAYKAR

Chairman & Managing Trustee,
Sri Shridevi Charitable Trust (R.), Tumakuru

Sri. M. S. PATIL

Director - HR & IT, SCT, Tumakuru

Chief Guest

Dr. DINESH R.

Principal Engineer
Samsung Electro Mechanics, Bengaluru

Guest of Honor

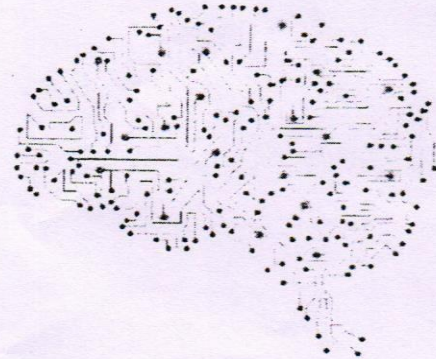
Dr. HEMADRI NAIDU T.

Principal, SIET

President

Prof. SHANMUKA SWAMY C. V.

Associate Professor & Head - CSE
Convener



Conducting under:



CSI - SIET STUDENT CHAPTER

Date: 19th November, 2018

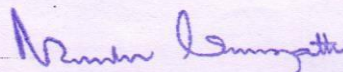
Time: 9:00 AM

Venue: Edusat Hall, SIET Main Block

Hearty Welcome by
HOD, Staff and Students of CSE

Prof. CHETHAN M. S.

Asst. Professor - CSE
Programme Coordinator



PRINCIPAL
SIET., TUMAKURU.



A two - day workshop on “machine learning and its applications”.

2. Department of Electronics & Communication Engineering in Association with
IETE(ISF) Bengaluru

Report on
“TWO DAYS WORKSHOP ON MACHINE LEARNING & WEKA TOOL”

At
Shridevi Institute of Engineering & Technology, Tumkur

On
27th & 28th May 2022

Department of Electronics and Communication Engineering at Shridevi Institute of Engineering & Technology, Tumkur in association with IETE (ISF) Bengaluru has organised **online two days workshop on “Machine Learning and WEKA Tool”**. Using google meet app platform on 27th and 28th may 2022.

Dr.Narendra Vishwanath, principal SIET appreciated the efforts of department for organising technical activities.

Prof.Aizaz Ahmed Sharief, department Head, advised all students to increase their programming skill which required in software companies by attending technical session .

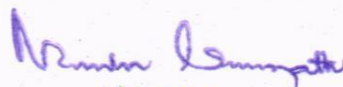
Event coordinator Dr.umesha G B has addressed welcome speech and discussed about importance of machine learning in software field. **Resource person Dr.Padmaja Grandhe , Professor , PSCMR college of engineering & Technology, Vijayawada , Andrapradesh ,** has delivered useful information about fundamental of machine learning , applications of machine learning and explained about future trends in machine learning application in medical sectors and **other resource person Prof.P S Silpa,Associate Professor PSCMR college of engineering & Technology, Vijayawada , Andrapradesh ,** explained about how to use and install WEKA Tool for machine learning applications.

Venue: Edusat Hall

Place: SIET Campus

Date: 27th and 28th May 2022

Online workshop on “Machine Learning & WEKA Tool ” by Dr.Padmaja Grandhe and Prof.P S Silpa Associate Professor.


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Picture1: Online Workshop by Dr. Padmaja Grandhe



Picture2: Event Group Photo



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**Department of Electronics & Communication Engineering in Association with IETE(ISF)
Bengaluru**

Report on

“Online workshop on NPTEL Local Chapter Awareness Programme”

At

Shridevi Institute of Engineering & Technology, Tumkur

On

25th May 2022

Department of Electronics and Communication Engineering at Shridevi Institute of Engineering & Technology, Tumkur in association with IETE (ISF) Bengaluru has **facilitated Online workshop on NPTEL Local Chapter Awareness Joint initiative Programme of IIT'S & IISc under MHRD , Govt of India.** Using YouTube live streaming platform on May 25th 2022. Dr. Narendra Vishwanath, Principal SIET appreciated and advised students to participate in different quality improvement programmes to reach industrial requirements. Prof. Aizaz Ahmed Sharief, Department Head, wished students to upgrade their technical knowledge and awareness about NPTEL online certificate courses by attending technical sessions.

Event coordinator Dr. Umesha G B has addressed a welcome speech and discussed about the importance of how to make use of NPTEL certification courses in multiple dimensions. Resource person from IITs has explained in detail about NPTEL ONLINE certificate courses, eligibility conditions, registration fees, certificate categories and its weights across the country.

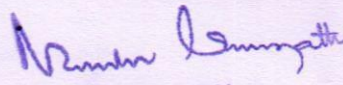
Dr. Pradeep K G M, Associate Professor & ISF coordinator has expressed tokens of gratitude to all who were involved in making the technical talk successful.

Students of ECE department, Second, Third year were actively participated in this event. Prof. Raghavendra, Prof. Pradeep Kumar SS has wished and advised students to improve their technical knowledge in latest technologies.

Venue: Edusat Hall

Place : SIET Campus

Date: 25-05-2022



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Picture1: Welcome Speech addressed by E&C HOD



Picture2: Event Group Photo



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CSI-SIET STUDENT CHAPTER

Department of Computer Science & Engineering

Welcome to
A Two Day Workshop on
**Hands on
R - Programming**

Date: 20th - 21st September 2021
Time: 9:00 AM TO 5:00 PM

Venue:
Network lab

- Event Conducted** : Two days hands on workshop on R- Programming
Date of event : 20-09-2021 to 21-09-2021
Venue : Network Lab
Resource Person : Dr. Sunitha N R, Professor, Department of CSE, SIT-Tumkur .
Target Audience : CSE & ISE students

A two day workshop on “ R-Programming” was conducted by CSE department under CSI-SIET student chapter in SIET ,Tumkuru from 20-09-2021 to 21-09-2021for engineering students. The objective of this workshop was to train students to develop software using R-language .which help in statistical computing, design and data analysis in big data.



Inauguration of two days workshop on R-Programming by Dr. Narendra Viswanath, Principal, SIET, Tumkur.



Dr. Narendra Viswanath, Principal giving memento to the resource person

Department of Computer Science and Engineering Add-on Course Report



Academic Year	2022-23	Targeted Audience from	SIET and SIMSR
Name of the Event	2-Days workshop	Number of Participants	50 +
Date of Conduction	06 th -17 th Jan 2023	Time	2:00 PM to 5:00 PM
Venue	Skill Lab	Resource	Dr Gururaj H.L.

RESOURCE PERSON

Dr. Gururaj H L

Associate Professor

Manipal Institute of Technology, Bangalore

Prerequisite

- No Prior programming Knowledge required.
- One laptop per student.

Benifits

- Real time experience on Cyber Security.
- Certificates will be provided.

Patrons

Dr. M. R. Hulinaykar
Chairman & Managing Trustee,
Sri Shridevi Charitable Trust (R),Tumakuru

Sri. M. S. Patil
Director, HR & IT
Sri Shridevi Charitable Trust (R),Tumakuru

Dr. Narendra Viswanath
Principal, SIET, Tumakuru
Academic Senate Member, VTU Belagavi

Convenor

Dr. Basavesha. D
HOD, Dept of CSE, SIET

Dr. Suhas. G. K
HOD, Dept of ISE, SIET

Co-ordinators

Dr. Dinesha. H. A
Dept of CSE, SIET

Dr. Manjula. T
Dept of CSE, SIET

Prof. Kiran. G. M
Dept of CSE, SIET

Prof. Gurushankar. H. B
Dept of ISE, SIET

About the Course

Blockchain Technology is an emerging technology suitable for decentralised and transactional sharing of data across a large network of untrusted participants. It is an innovative distributed ledger technology where verification data for the transactional records is cryptographically secured against tampering and stored in blocks. Each block contains details of transactions, hash of the previous block, timestamp etc. Blocks are linked with each other, leading to a Block Chain and this is stored at every node in the network. This enables transparency and gives a unique solution to the problem of trust in the digital world, leading towards decentralised trust. It has good potential to transform the logging and management of transactions in different application areas. This technology is successfully used in Bitcoin virtual currency, and it also has good potential in non-financial sectors such as Governance, healthcare, cyber security, automobiles, media, travel, hospitality, energy, smart cities, time stamping, logging of important events in a system, recording transactions, etc.

Modern information and system require high security protection on electronic data over insecure communication (Internet). Cyber security or Information Technology Security (ITC) is a field involving the protection of computer systems and the prevention of unauthorized access too. The primary objective of this course is to deliver on modern cryptographic techniques as well as hardware security concept with cybercrime issues to understand how to design secure systems for computer network model. This course moreover focuses on current emerging technology on blockchain along with future research direction in the domain of network security.

Objectives

To disseminate the knowledge of cyber security and blockchain technology among students

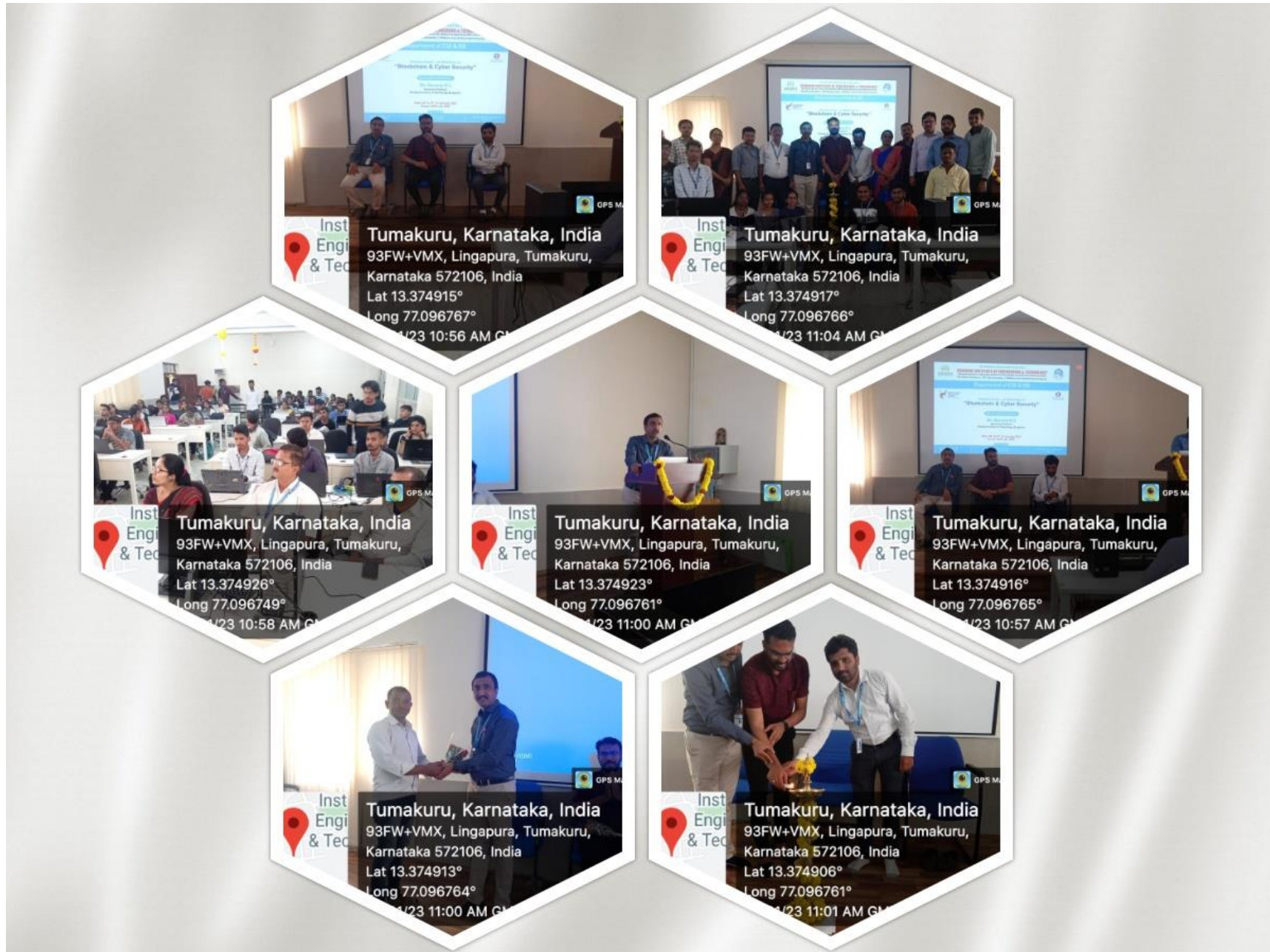
Outcome

This course is designed to prepare students to the federal job market for postings require knowledge of Blockchain Technology and cyber security At the conclusion of this course, the audience, students and the future developers who are involved in technological transformation will be able to:

1. Explain how blockchain technology works
2. Integrate blockchain technology into the current business processes to make them secure
3. Hands on with respect to cyber security tools

Glimpse of course conduction are as follows...

Add on Course Inauguration



Add on Course Valedictory



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Dr. Basavesha D
HOD, Dept of CSE

Department of Computer Science and Engineering Workshop Report

Two Day Workshop on

FUTURE DIRECTIONS IN DATA STRUCTURES

Date: 15th & 16th Feb, 2023



Academic Year	2022-23	Targeted Audience from	SIET CSE/ISE/AIDS
Name of the Event	2-Days workshop	Number of Participants	100 +
Date of Conduction	15 th & 16 th Feb 2023	Time	10:00 AM to 5:00 PM
Venue	CSE Seminar Hall	Resource	Prof. Monica M

RESOURCE PERSON

Mrs. MONIKA M

Benifits

- Getting knowledge to solve real world problems.
- Applying algorithms for problem solving.
- Identifying the applications of data structures.
- Certificates will be provided.

Patrons

Dr. M. R. Hulinaykar
Chairman & Managing Trustee,
Sri Shridevi Charitable Trust (R), Tumakuru

Sri. M. S. Patil
Director, HR & IT
Sri Shridevi Charitable Trust (R), Tumakuru

Dr. Narendra Viswanath
Principal, SIET, Tumakuru
Academic Senate Member, VTU Belagavi

Convenor

Dr. Basavesha. D
HOD, Dept of CSE, SIET

Co-ordinators

Dr. Dinesha. H. A
Dept of CSE, SIET

Dr. Manjula. T
Dept of CSE, SIET

Prof. Kiran. G. M
Dept of CSE, SIET

Prof. Gurushankar. H. B
Dept of ISE, SIET

📞 : +91-9113563426

📍 CSE Seminar Hall, SIET

About the workshop

Data structure and algorithms are two of the most important aspects of computer science. Data structures allow us to organize and store data, while algorithms allow us to process that data in a meaningful way. Learning data structure and algorithms will help you become a better programmer. You will be able to write code that is more efficient and more reliable. You will also be able to solve problems more quickly and more effectively. As applications are becoming more complex and the amount of data is increasing day by day, which may cause problems with processing speed, searching data, handling multiple requests etc. Data structure provides a way of organizing, managing, and storing data efficiently. With the help of data structure, the data items can be traversed easily. Data structure provides efficiency, reusability, and abstraction. It plays an important role in enhancing the performance of a program because the main function of the program is to store and retrieve the user's data as fast as possible.

Workshop Objectives

To disseminate the knowledge of data structure and its future directions among students

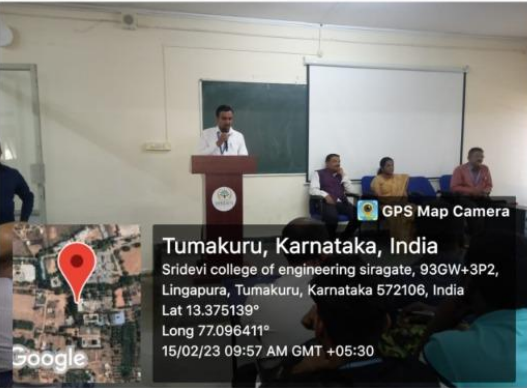
Outcome

This course is designed to prepare students to the federal job market for postings require knowledge of Data structure in future direction. At the conclusion of this course, the audience, students and the future developers who are involved in technological transformation will be able to:

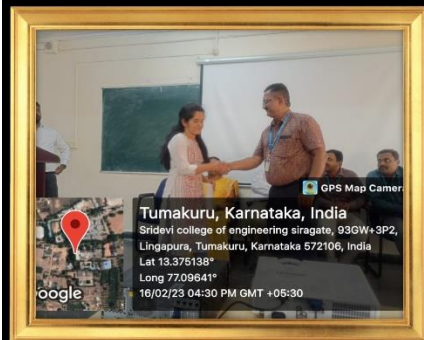
1. Explain the importance of data structure.
2. Apply the Usage for its future applications.
3. Hands on with practicality and case study

Glimpse of course conduction are as follows...

Workshop Inauguration



Workshop Valedictory



Dr. Basavesha D
HOD, Dept of CSE