



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi

Affiliated to JNTUH, Hyderabad.

3.1.3 Number of Seminars/conferences/workshops conducted by the institution during the last five years given below.

List of Activity Report

Academic years	2019-20	2018-19	2017-18	2016-17	2015-16	Total
No. Seminars/conferences/workshops	12	9	6	3	2	32


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -601 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sriet.ac.in>

Cyber security

With cyber attacks accelerating, there is an acute shortage of trained cybersecurity professionals and an escalating need for their skills. Our workshops provide the critical knowledge needed to protect an organization's information assets and systems; make strategic decisions about information security issues including identity theft, computer viruses, and electronic fraud; and provide leadership in these and other strategic efforts

Course Content

Secret Key Cryptography , Public Key Cryptography

Applications of the crypto hash

Key Management and PKI , Network Security

DDoS Attacks, Authentication Protocols

Transport Layer Security (SSL/TLS)

Access Control and Firewalls

Software security , Worms, viruses, bots, etc.

Malware protection , Web application security

Browser security, Intrusion detection and prevention

Security Tools – Wireshark, Snort, Metasploit, etc

Security all of your systems: Industrial **Security** at every level by Siemens! Defense in Depth. Protecting productivity. Latest news & alerts. Types: Plant **security**, Network **security**, System integrity.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sliet.ac.in>

One Day webinar On Resources for Mobility Development

Date :26th may 2020

.This Workshop aims to provide the opportunity for the participants to gain detailed understanding of latest technologies and innovations in the field of E-Mobility. This will enable the participants to enhance their knowledge to identify the areas of research in design & development of electric vehicle, capable of using renewable sources of energy for mobility preventing further depletion of fossil fuels.

This Webinar aims to provide the opportunity for the participants to gain detailed understanding of latest technologies and innovations in the field of E-Mobility. This will enable the participants to enhance their knowledge to identify the areas of research in design & development of electric vehicle, capable of using renewable sources of energy for mobility preventing further depletion of fossil fuels

TOPICS TO BE COVERED

- Sustainable mobility
- Cities can learn from one another and history
- Each component of society has a role to play
- motivated and committed leadership to create a functioning mobility system

COURSE CONTENT:

In general, mobility opportunities are expanding
but for the poor the mobility situation is deteriorating
Transport-related health and safety risks remain a serious
problem...

Stakeholders are not confident that sustainable mobility will
be achieved in their cities


SRI INDU INSTITUTE OF ENGINEERING & TECH.
SHERIGUDA(V), IBRAHIMPATNAM(M),
R.R. DIST. TELANGANA -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Resources for Mobility Development”

26th May 2020




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Webinar on Fluid-structure interaction

Fluid-structure interaction (FSI) is the multiphysics study of how fluids and structures interact. The fluid flow may exert pressure and/or thermal loads on the structure. These loads may cause structural deformation significant enough to change the fluid flow itself. Undesired effects in your product may increase as the level of the fluid-structure interaction increases. With Ansys simulation you can gain a deeper understanding of the phenomena occurring with your product to ensure safety, reliability and longevity.

Ansys has a range of solutions for all the fluid-structure interaction challenges one may face to provide the level of fidelity needed. Simple fluid-structure interaction problems can be solved completely within Ansys CFD. This is known as rigid body motion, exemplified by an impeller rotating in a mixing tank.

As the fluid-structure interaction increases and the problem needs more detailed evaluation, Ansys has an automated, easy-to use-solution called one-way coupling. One-way coupling solves the initial CFD or Ansys Mechanical simulation and automatically transfers and maps the data to the other system. An example of this would be simulating the fluid flow around a cone flow meter and automatically transferring this data to calculate the resulting structural response.

For the most complex and tightly coupled fluid-structure interaction problems, you can use System Coupling to perform two-way coupled FSI simulations. The fluid and structural simulations are both set up and solved at the same time. While being solved, data is automatically transferred between the two solvers to achieve robust and accurate results. An example of this would be calculating flow around a rigid airplane wing and transferring the pressure loads to solve structural deformation. The structural deformation would be transferred back to the CFD simulation to calculate the flow again, and this process would repeat.

PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sheriguda, Ibrahimpatnam(M),
R.R Dist Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Fluid Structure Interaction”

On 21st May 2020




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sijet.ac.in>

Webinar on Modern Trends in Transportation Engineering

Department of Civil Engineering, Sri Indu Institute of Engineering and Technology is organizing a Five days webinar on "Modern Trends in Transportation Engineering" Also known as "(MTTE 2020)" This webinar is 5 days long starting from 25th July to 29th July 2020.

The transportation Engineering system has a major role in the growth and development of a country. This webinar aids to create a platform to enhance the information in the area of transportation system among researchers, faculties and other transportation fraternity in the region. Webinar address issue related to the geometric design aspects, sustainable transport measures, surrogate safety measures, road safety audit, automated vehicle, deep learning techniques, theology of binder, imaging techniques etc. SIIT invites you to participate in this five days webinar series.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. 501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Modern trends in transportation Engineering” On
12th Mar 2020




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Two days Workshop on Students Empowerment Programmed on Perceptual Orientation for career Success"

Date :24th JAN -2020 to ,25th -JAN 2020

As today era is dominated by careers without boundaries the engineering students are in a dilemma to choose their career paths. Majority of the engineering students irrespective of their branch of study are aspiring for careers in software companies. However students from core engineering branches like Mechanical and Civil are finding it difficult to get placed in software companies. In order to help the student community to know all about career paths and the credentials required for different careers, IQAC has organized an awareness programmed targeting the outgoing Batch. My3 Educational academy with which the institution has an MOU organized an empowerment programme to let the students know how to choose their career paths and also to know the pre requisites that can help them in achieving their career path. The academy also offered training programme on various skills that are required in addition to the domain knowledge to enhance their employment potential. One interactive session is also organized with the persons from core industries as part of the awareness programme. More than hundred students have attended and as per the feedback received all the sessions were helpful.

Career learning environments

School reculturing

Collective learning of teachers

Transformational leadership

Student success encompasses both educational and early career performance. Educational performance metrics include college grades, cumulative GPA, program persistence, degree attainment, and student retention. Relative to early-career performance, student success is descriptive of early income and occupational prestige.

Professional orientations are the trends and behaviors that express an individual's desire to pursue or apply oneself to a specific occupation and, together, these orientations affect the individual's decision-making process with respect to occupational choice (Gerber, Wittekind, Grote, & Staffebach, 2009).


PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Two Days Workshop on Students Empowerment Programme on Perceptual Orientation for career Success"

From 24th Jan 2020 to 25th Jan 2020




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

One day workshop on antennas and wave propagation

Date :07th JAN 2020

Antenna is an electrical conductor which radiates electromagnetic energy into space and receives electromagnetic energy from space. In bidirectional communication, the same antenna can be used for transmission and reception as well

An antenna is basically a transducer. It converts radio frequency (RF) signal into an electromagnetic (EM) wave of the same frequency. It forms a part of transmitter as well as the receiver circuits. Its equivalent circuit is characterized by the presence of resistance, inductance, and capacitance. The current produces a magnetic field and a charge produces an electrostatic field. These two in turn create an induction field.

Topics to be covered

ANTENNA FUNDAMENTALS

THIN LINEAR WIRE ANTENNAS

NON-RESONANT RADIATORS

VHF, UHF AND MICROWAVE ANTENNAS

WAVE PROPAGATION

Course outcomes

Identify basic **antenna** parameters. Design and analyze **antenna** arrays. Design and analyze wire and aperture **antennas**. Identify the characteristics of radio-wave **propagation**.

An antenna is an electrical conductor or system of conductors

Transmission - radiates electromagnetic energy into space

Reception - collects electromagnetic energy from space

In two-way communication, the same antenna can be used for transmission and reception


Sri Indu Institute of Engineering & Technology
Sherguda (V), Ibrahimpatnam
R.R. Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Antennas and Wave Propagation” On 07th Jan 2020




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

One Day Workshop on "Impact of Data Mining Technologies in Society" 23rd NOV 2019

OBJECTIVE AND SCOPE

Data are raw facts or measurements that can be recorded about events and assets, and indirectly meaningful. The data needs to be collected, organized, summarized, analyzed and synthesized for decision-making purposes. data analysis is defined as the collection, organization, modeling, and testing of information access. Data analysis requires a systematic approach involving several important steps. Data analysis is involved in many disciplines such as data mining and statistics. Statistics are defined as the art of learning from data. In its most general form, statistics deals with the collection of data, the description of data following it, and the analysis of data that often leads to the conclusion. In almost all areas of work, statistical data analysis has great importance for the results to be valid and reliable. There is no statistical method applied from the field and subject, independent of the measurement and research problem. So, it is not possible to propose a single statistical method that can provide results depending on multiple purposes in the data analysis process.

OBJECTIVES OF PROGRAMME:

- What is Data Mining
- Uses of Data Mining
- Data Mining Techniques
- Data Mining Terminologies
- Data Mining Applications
- Areas where Data Mining had Good and Bad Effects
- New Applications
- Trends that Effect Data Mining

COURSE CONTENT:

Data mining and knowledge discovery are emerging as a new discipline with important applications to

science, engineering, health care, education, and business. Data mining rests firmly on

- 1) research advances obtained during the past two decades in a variety of areas and
- 2) more recent technological advances in computing, networking and sensors. Data mining is driven by the explosion of digital data and the scarcity of scientists, engineers, and domain experts available to analyze it


Sri Indu Institute of Engineering & Tech
Sheriguda, Ibrahimpatnam(M),
R.R. Dist. Hyderabad - 501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop “Impact of Data Mining Technologies in Society”

On 23rd Nov 2019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTU11, Hyderabad.
Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510,
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sriet.ac.in>

To
J.Rangayya, LBRCE, A.P.
Sir,

Date: 16.11-2019

Subject: Request invitation for delivering expert lecture one day workshop on
"Concrete Mix Proportioning as per IS 10262 :2009" on 22-11-2019 - Reg.

Respected sir,

The department of CIVIL SIET Ibrahimpatnam RR district Telangana is organizing a one day workshop 'Concrete Mix Proportioning as per IS 10262 :2009' during 22-11-2019. I am happy to invite you as a resource person.

I request you to accept the invitation and arrange to send the relevant study material so as to include in the course book a line of reply will be much appreciated.

Thanking You,

Yours sincerely

HOD-CIVIL


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sherguda(V), Ibrahimpatnam(M)
R.R Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Concrete Mix Proportioning as per IS 10262 :2009” On 22-11-2019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTU11, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

Workshop On Recent Technologies To Achieve Manufacturing Excellence

Additive Manufacturing

Advancements in additive manufacturing can help SMMs reduce energy costs, limit waste, and boost production. Plus, these technologies are becoming increasingly affordable, according to California Manufacturing Manufacturing Technology Consulting (CMTC), the MEP Center in California.

Last year, NIST MEP partnered with another program at the National Institute of Standards and Technology (NIST), the Measurement Science for Additive Manufacturing (MSAM) Program, to delve into the pros and cons of additive manufacturing. The collaboration found that, in order to reap the benefits of 3D printing, manufacturers should consider these “factoids”:

- You don't have to buy additive manufacturing machines to try it. There are local service bureaus that can help manufacturers test before investing in equipment.
- If you are already using computer-aided design (CAD), you may be just one step away from being able to utilize additive manufacturing. If your data is already digital, it's a simple process to link your data to additive manufacturing equipment to create prototypes.
- The NIST MSAM database provides manufacturers with the data that NIST researchers collected while sampling various materials, laser powers, laser speeds, and other factors when creating a build.
- Don't be afraid to play with additive manufacturing. Manufacturers who have partnered with MEP Centers are already testing prototypes with promising early developments.
- Additive manufacturing is already being implemented in mold building, replacing traditional sand moldings for metal castings.

Collaborative Robots

- The Robotics Industries Association (RIA) defines collaborative robots, also known as “cobots,” as robots specifically designed to work side-by-side with humans within a defined collaborative workspace. Along with additive manufacturing, cobot technology can be a formidable ally for SMMs trying to compete with larger operations. The RIA predicts cobot sales will reach \$34 billion by 2026 as more and more manufacturers take advantage of this technology.


Principal
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. 501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

Three Days Workshop On “Recent Technologies to Achieve Manufacturing Excellence” From 08th Aug 2019 to 10th Aug 2019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Name of Department	Computer Science Engineering
Name of Event Organized	Telangana Academy for Skill and Knowledge(TASK)
Title of the Event	Workshop on Oracle & Java Fundamentals
Date of Event Organized	24-06-2019 to 28-06-2019
No. of Participants	32
Venue	SIIET, Auditorium, IBP, Hyderabad.
Name Chief Guest/Speakers	Mr. Vamshidhar Reddy Pally

Speaker/Organizations Profile

Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana, TASK is a non profitable organization created by Government of Telangana for bringing synergy among institutions of Government, Industry & Academia with an objective of offering quality human resources and services to the industry.

This TASK is successfully conducting number of workshops, seminars, training programs and so on at various educational Institutions.

Description/Conclusion: The Department of Computer Science & Engineering, Sri Indu Institute of Engineering and Technology, Hyderabad in association with TASK has organized Fivedaysworkshop on“ORACLE & JAVA FUNDAMENTALS” on 24th to 28thJune, 2019 by Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana.

To create and promote perception about the challenges in an industry project and industry oriented research area, to develop an industry oriented project and patent the proposed project and to upgrade the placement and entrepreneur opportunity.



Pictures - Workshop on Oracle & Java Fundamentals


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Name of Department	Computer Science & Engineering
Name of Event Organized	SOP TASK, Two days webinar on “F-Tech 2.O”
Date of Event Organized	05-03-2020 to 06-03-2020
No. of Participants	153
Venue	Class room: Auditorium 1 & 2
Name Chief Guest/Speakers	Mrs.T,Sravani, Telangana Academy for Skill and Knowledge (TASK) Department of ITE & C, Government of Telangana.

Speaker/Organizations Profile

Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana, TASK is a non profitable organization created by Government of Telangana for bringing synergy among institutions of Government, Industry & Academia with an objective of offering quality human resources and services to the industry. This TASK is successfully conducting number of workshops, seminars, training programs and so on at various educational Institutions.

Description/Conclusion:The Department of Computer Science & Engineering, Sri Indu Institute of Engineering and Technology, Hyderabad in association with TASK has organized Two day webinar on“F-Tech 2.O” on 05th & 06thMarch, 2020 by Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana.

To create and promote perception about the challenges in an industry project and industry oriented research area, to develop an industry oriented project and patent the proposed project and to upgrade the placement and entrepreneur opportunity.



Pic - SOP TASK, Two days webinar on “F-Tech 2.O”


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

A One Day WEBINAR On A New Trend in Computer science- Cloud applications

29TH MAY 2019

Cloud computing is a modern emerging trend in distributed computing technology that is rapidly gaining popularity in the network communication field. software, and information are provided with computers and devices on-demand. The concept of "cloud computing" is not new, it has proven a major commercial success over recent times and it is also considered "the delivery of computing model" through shared resources, software and information over the internet (public) or intranet.

OBJECTIVES OF PROGRAMME:

Distributed cloud infrastructure will make use of network edge in future. Two tier applications will be replaced by new multi-tier cloud architectures. Next generation cloud computing impacts both societal and scientific avenues. A new marketplace will need to be developed for resources at the network edge.

Security and sustainability are key to architecting future cloud systems

COURSE CONTENT:

This paper shows the role of cloud computing services and applications in different sectors, which in turn helps individuals and organizations to understand how cloud computing can provide them with customized, engine requirements, reliable and cost-effective services in a wide variety of applications., such as security, resource availability, cost, interoperability, precautions, and roadmap in healthcare, education, financial, agriculture and library sectors

PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “A New Trend in Computer science-Cloud Applications” On 29th May 019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sriet.ac.in>

One Day Webinar on imagined speech an upcoming development in brain computer interface

Date : 29th MAY 2019

Brain Computer Interface (BCI) technology is a powerful communication tool between users and systems. It does not require any external devices or muscle intervention to issue commands and complete the interaction [1]. The research community has initially developed BCIs with biomedical applications in mind, leading to the generation of assistive devices [2]. They have facilitated restoring the movement ability for physically challenged or locked-in users and replacing lost motor functionality [3]. The promising future predicted for BCI has encouraged research community to study the involvement of BCI in the life of non-paralyzed humans through medical applications.

However, the scope of research has been further widened to include non-medical applications. More recent studies have targeted normal individuals by exploring the use of BCIs as a novel input device and investigating the generation of hands-free applications [1], [2]. The use of BCI interfaces for healthy users has been subject to some doubts as discussed in [4]. The problem of poor information transfer rate (ITR) of BCIs and its effect on reducing the commands user can give has been addressed as one of those issues. It has been claimed that this problem restricts BCI utilization for locked-in persons as it will not be able to keep up with ordinary communication ways or even existing human computer interfaces.

On the other hand, some of BCI advantages for able-bodied users have been enlightened in [5]. BCI could be helpful especially for safety applications or applications where it is instantaneously difficult to move and the response time is crucial. Besides they can also be used to increase the accuracy of the HCI systems, resulting in BCI contribution in various fields such as industry, educational, advertising, entertainment, and smart transportation. Despite its expected success, Brain computer interfacing needs to overcome technical difficulties as well as challenges posed by user acceptance to deal with such newly discovered technology.

The next sections will provide more information about BCI functions and associated applications. Various methods for acquiring brain signals are then explored along with the electrical changes reflected in the recorded brain waves. This paper will also discuss the issues facing BCI systems and some found solutions to their consequences in details.

TOPICS TO BE COVERED

Brain Computer Interfaces

Brain signal acquisition

BCI applications

Mind commands

Brain monitoring

BCI challenges

COURSE CONTENT:

In This webinar mainly The development of BCI technology was initially focused on helping paralyzed people control assistive devices using their thoughts. But new use cases are being identified all the time.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Imagined Speech: An upcoming development in Brain Computer Interface (BCI)” On 29th May 2019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Webinar on photogrammetry for mapping

This course introduces photogrammetry as a data acquisition tool, and provides a general overview of its theory and working principles. This course covers the factors that influence the formation of the photographs, and the process of reconstructing the three dimensional model for the real world. Students will gain the ability to extract data from aerial photography

Basic concepts of image geometry and measurement of aerial photograph. 2. To develop understanding of image interpretation and information extraction

Assessment Criteria 1. Tutorials, assignment, activities, and laboratory exercise 2. Formal exam, theory and problem solving 3. Work loads, assigning different tasks to students

Photogrammetric surveying or photogrammetry is the branch of surveying in which maps are prepared from photo-graphs taken from ground or air stations. With an advancement of the photogrammetric techniques, photographs are also being used for the interpretation of geology, classification of soils and crops, etc. Is the science of making measurements from photographs, especially for recovering the exact positions of surface points. Er. Pramesh Hada, Asst. Professor, nec especially for recovering the exact positions of surface points. Used to recover the motion pathways of designated reference points located on any moving object, on its components and in the immediately adjacent environment. Photogrammetry may employ high-speed imaging and remote sensing in order to detect, measure and record complex 2-D and 3-D motion fields.

PRU/CIPM
Sri Indu Institute of Engineering & Tech
Sheriguda(V) Ibrahimpatnam(M),
R R Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Photogrammetry for Mapping”

On 18th Jan 2019




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

workshop on pavement design construction and management

This workshop will inform on the principles & practices involved in concrete pavement design & construction and the program will closely follow the content in the appropriate Chapters of the Austroads Guide to Pavement Technology – Part 2: Pavement Structural Design and Part 4C: Materials for the Concrete Pavements, which are used as the principal references. The materials content will however cover more information than is in the current Guide, as the selection of materials is critical to producing a road/pavement design that will deliver both structural and functional performance. Appropriate joint types and their design are key elements and will be discussed in detail. The important construction aspects will also be elaborated on.

- Pavement Design Systems
- Construction & Maintenance Considerations
- Road Environment
- Sub grade Evaluation
- Materials
- Design Traffic and Case Study
- Structural Thickness & Pavement Design
- Jointing & Reinforcement
- Construction Aspects
- Finishing
- Worked Examples
- Design Exercise and Workshop


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R Dist Telangana. -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop “Pavement design construction and Management” On 18th Sep 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sriet.ac.in>

Workshop on smart energy using GSM

Energy consumption monitoring at domestic or industrial locations is required to understand the trends over a period of time. The data acquired during monitoring is useful for taking necessary steps to save the energy. In this course you will develop a Smart Energy Meter system using GSM technology which can send you updates about the energy consumption at a particular interval of time. You will be using an Arduino development board as a processing unit.

As part of this course you will learn about GSM technology, electrical loads and their measurement, Arduino development boards, Arduino environment and will implement Arduino programming for building your Smart Energy Meter system.

Course Outcomes

- Build your own Smart Energy Meter
- Get hands-on experience in Energy Meter, electrical loads, Arduino and GSM modules
- Develop the project using Arduino development board
- Learn and Implement Arduino programming for functioning of the project
- Demonstrate your Smart Energy Meter to receive timely updates

The described system is to achieve the smart energy meter automation using GSM technology. Sensor systems are used to sense the various values. In this module current sensor is used to measure the value of the current consumed by the applied load. The PIC is used to get the values from the sensor as a digital one

PR
Sri Indu Institute of Engineering & Tech.
Sherguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Smart Energy Meter using GSM”

On 18th Sep 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On Cloud Computing

On 18th SEP 2018

Cloud Computing provides an alternative to the on-premises data centre. With an on-premises data centre, we have to manage everything, such as purchasing and installing hardware, virtualization, installing the operating system, and any other required applications, setting up the network, configuring the firewall, and setting up storage for data. After doing all the set-up, we become responsible for maintaining it through its entire lifecycle.

Cloud computing is the delivery of computing resources as a service, meaning that the resources are owned and managed by the cloud provider rather than the end user. Those resources may include anything from browser-based software applications (such as Tik Tok or Netflix), third party data storage for photos and other digital media (such as iCloud or Dropbox), or third-party servers used to support the computing infrastructure of a business, research, or personal project.

Contents to be covered

- Introduction to Cloud Computing
- Advantages of cloud computing
- Types of Cloud Computing
- Types of Cloud Services
- Characteristics of Cloud Computing

The impact of cloud computing on industry and end users would be difficult to overstate: many aspects of everyday life have been transformed by the omnipresence of software that runs on cloud networks. By leveraging cloud computing, startups and businesses are able to optimize costs and increase their offerings without purchasing and managing all the hardware and software. Independent developers are empowered to launch globally-available apps and online services. Researchers can share and analyze data at scales once reserved only for highly-funded projects. And internet users can quickly access software and storage to create, share, and store digital media in quantities that extend far beyond the computing capacity of their personal devices.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda (V), Ibrahimpatnam (M),
R.R. Dist. Telangana. 501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Cloud Computing “ On 18th Sep 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

Workshop on Fabrication and Testing of Fiber Reinforced Polyester Composite Material

Composite materials are becoming more important in the construction of aerospace structures. Aircraft parts made from composite materials, such as fairings, spoilers, and flight controls, were developed during the 1960s for their weight savings over aluminum parts. New generation large aircraft are designed with all-composite fuselage and wing structures and the repair of these advanced composite materials requires an in-depth knowledge of composite structures, materials, and tooling. The primary advantages of composite materials are their high strength, relatively low weight, and corrosion resistance.

Composite materials are generally used for buildings, bridges, and structures such as boat hulls, swimming pool panels, race car bodies, shower stalls, storage tanks, imitation granite and cultured marble sinks and countertops. The most advanced examples perform routinely on spacecraft and aircraft in demanding environments.

Project Description:

1. **Composite Material:** Materials like Iron, Steel are better in tension but poor in compression, similarly Wood, Cast Iron is better in compression but poor in tension. To gain the benefit of having more such properties in one material we combine two or more materials in some arrangement. These types of materials are called composite materials.
2. **Fiber Reinforced polyester Composites:** Fiber reinforced composites have been widely successful in hundreds of applications where there was a need for high strength materials. There are thousands of custom formulations which offer FRP a wide variety of tensile and flexural strengths. When compared with traditional materials such as metals, the combination of high strength and lower weight has made FRC an extremely popular choice for improving a product's design and performance.
3. **Bamboo:** Bamboo fiber is a regenerated cellulosic fiber produced from bamboo. The starchy pulp is produced from bamboo stems and leaves through a process of alkaline hydrolysis and multi-phase bleaching. Further chemical processes produce bamboo fiber.
4. **Polyester:** On the other hand different waste plastics can be used like Plastic bottles (Polyethylene Terephthalate), Plastic bags (Polyethylene), Toys or Pipes (Polyvinyl Chloride), Straws or Medicine bottles (Polypropylene), Egg cartons or cups or bowls (Polystyrene) etc.


PRINCIPAL
Sri Indu Institute of Engineering & Techno.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Fabrication and Testing of Fiber Reinforced Polyester Composite Material” On 21st July 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph:9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

Name of Department	Computer science and Engineering
Name of Event Organized	Workshop On Cloud Computing
Date of Event Organized	18-09-2018
No. of Participants	57
Mode of Conduction	Auditorium, CSE Department SIIET
Name Chief Guest/Speakers	Dr.Ramesh, Professor, Geethanjali College of Engineering and Technology

Speaker/Organisations Profile

Dr.Ramesh is a Professor, in Computer Science and Engineering Department of Geethanjali College of Engineering and Technology Hyderabad.

Discription/Conclusion:

The Department of computer science and Engineering, Sri Indu Institute of Engineering and Technology, Hyderabad. Conducted a Workshop on Cloud Computing to build up Awareness and pros and cons in it.



Pic.Participants participated in Cloud Computing


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sherguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Name of Department	Civil & Mechanical Engineering
Name of Event Organized	TASK- 6 Days
Title of the Event	Auto-CAD Workshop for Civil & Mechanical Professionals
Date of Event Organized	01-10-2018 to 08-10-2018
No. of Participants	80
Venue	SIJET, E- Class room, IBP, Hyderabad.
Name Chief Guest/Speakers	Mrs.MokuRajitha Reddy

Speaker/Organizations Profile

Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana, TASK is a non profitable organization created by Government of Telangana for bringing synergy among institutions of Government, Industry & Academia with an objective of offering quality human resources and services to the industry.

This TASK is successfully conducting number of workshops, seminars, training programs and so on at various educational Institutions.

Description/Conclusion:The Department of Civil & Mechanical Engineering of Sri Indu Institute of Engineering and Technology, Hyderabad in association with TASK has organized Six days workshop on AUTO-CAD Workshop for Civil & Mechanical Professionals on 01st to 08th Oct, 2018 by Telangana Academy for Skill and Knowledge (TASK) Government of Telangana.

To create awareness about the challenges in an industry project and industry oriented research area. To promote students to develop an industry oriented project and patent the proposed project. To enhance the placement and entrepreneur opportunity



Pic.Participants participated in Auto-CAD Workshop


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sherguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Name of Department	Electronics and Communications Engineering
Name of Event Organized	TASK - 3 Days Workshop on MTP HTML
Date of Event Organized	03-01-2019 to 05-01-2019
No. of Participants	54
Venue	SIJET, Auditorium 1, IBP, Hyderabad.
Name Chief Guest/Speakers	M. Murtyanjayam

Speaker/Organizations Profile

Telangana Academy for Skill and Knowledge (TASK) Department of ITE&C, Government of Telangana, TASK is a non profitable organization created by Government of Telangana for bringing synergy among institutions of Government, Industry & Academia with an objective of offering quality human resources and services to the industry. This TASK is successfully conducting number of workshops, seminars, training programs and so on at various educational Institutions.

Description/Conclusion:

The Department of Electronics and Communications Engineering, Sri Indu Institute of Engineering and Technology, Hyderabad in association with TASK has organized Three day workshop on MTP HTML on 03th & 05th January, 2019 by Telangana Academy for Skill and Knowledge (TASK) Government of Telangana.

To create awareness, promotion and enhance & its challenges in an industry project and industry oriented research area, promote students to develop an industry oriented project and patent the proposed project and the placement and entrepreneur opportunity.



Pic.Participants participated in MTP HTML


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana-501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTU, Hyderabad.
Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096981507.

<https://sriet.ac.in>

Workshop on Modern Refrigeration & Air-Conditioning Technologies

Modern Refrigeration and Air Conditioning is the HVACR standard for a new generation of learner. It correlates to HVAC Excellence and PAHRA accreditation requirements to ensure complete coverage that prepares students for career success. This edition has an improved instructional design, improved assessments, enhanced content on fundamentals, such as electrical theory and troubleshooting, and new digital assets that help students master knowledge, hands-on applications, and diagnostic skills. The revision also helps prepare students for employment and careers with new lab activities and features. Prepare your students for careers with new learning materials based upon the original HVACR industry standard.

- Follow-the-Heat™ Animations provide 63 short animations that introduce foundational concepts using simple, easily understood graphics and narrations.
- Troubleshooting Activities create an interactive experience designed to develop and promote troubleshooting techniques and logical diagnostic skills.
- New chapter on Electrical Troubleshooting, and expanded electrical coverage in the text and lab manual provide excellent coverage of essential information.
- Soft Skills for HVACR features emphasize the importance of workplace skills.
- Service Call Troubleshooting features present on-the-job service call situations.
- Full-color Lab Manual includes 35 new lab activities – including activities focusing on basic electrical skills and sheet metal construction.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sherguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana-501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Modern Refrigeration & Air-Conditioning Technologies” On 8th Apr 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized under 2017 UGC Act 1956

Approved by AICTE, New Delhi. Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9649599999, 9347187999, 8096951587.

<https://sriet.ac.in>

Workshop on Android Application Development

A major share of hand-held devices runs on the Android Operating System - which is open source and customizable. The Android Application Development Workshop provides participants technical training on the concepts and programming methodologies needed to develop applications for mobile devices. Participants will learn to use different android libraries. Instruction is aided with live projects which will allow students to grasp concepts of the complete mobile application development life-cycle.

Course Highlights:

- Participants will be able to develop their own android applications
- Participants will understand working of various android applications
- Participants are encouraged to think and come up with new application ideas
- Interactive lecture sessions
- Group discussions to encourage innovation
- Good multimedia content to help students grasp the material easily
- Career guidance by experienced faculty
- Workshop developed by IIT Kanpur graduates

Course Structure & Topics covered:

- Introduction to Mobile Application Development
- Role of Android in mobile industry
- Introduction to Android SDK and its setup
- Building the Application Framework
- Designing User Interfaces
- Activities, Services, Intents, Broadcast Receivers
- Resources, Menus, Content Providers, Dialogs, Notifications
- Working with Data, Multimedia, Location
- Publishing the developed application into Play Store

PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sheriguda(V), Ibrahimpatnam(R),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Android Application Development”

On 17th Jan 2018




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9648500900, 9347187999, 8098951207.

<https://sriet.ac.in>

Workshop on Raspberry Pi Technology

The Raspberry Pi, which is a low cost, credit-card sized computer that plugs into a computer monitor or TV, and uses a standard keyboard and mouse. It is a capable little device that enables people of all ages to explore computing, and to learn how to program in languages like Scratch and Python. It is capable of doing everything you would expect a desktop computer to do, from browsing the internet and playing high-definition video, to making spreadsheets, word-processing, and playing games. Whats more, the Raspberry Pi has the ability to interact with the outside world, and has been used in a wide array of digital maker projects, from music machines and parent detectors to weather stations and tweeting birdhouses with infra-red cameras. We want to see the Raspberry Pi being used by kids all over the world to learn to program and understand how computers work

Raspberry Pi Software support

There are several official distributions (distros) available on official downloads page. New users will find the NOOBs installer the easiest to work with, as it walks you through the download and installation of a specific distro. The recommended distro is Raspbian, which is specially designed for the Raspberry Pi and which our engineers are always optimising; but it is a straightforward process to replace the root partition on the SD card with another ARM Linux distro, so we encourage you to try out several distros to see which one you like the most. The OS is stored on the SD card.

Workshop Highlights

- What "the Internet of Things" means and how it relates to Cloud computing concepts
- How open platforms allow you to store your sensor data in the Cloud
- The basic usage of the RaspberryPi environment for creating your own embedded projects at low cost
- How to connect your RaspberryPi with your Android phone.
- How to send data to the Internet and talk to the Cloud.
- How to update sensor readings on Twitter (Social Networking Sites).
- Control a Relay Switch from anywhere across the world using IoT Platform from your Phone.


Sri Indu Institute of Engineering & Technology
Sheriguda (V), Ibrahimpatnam (M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Raspberry Pi Technology”

On 20th Dec 2017




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sherguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

One day webinar on career after engineering

Date :11-12-2017

B.Tech (Bachelor of Technology) is a very popular and most preferred undergraduate degree course chosen by Science stream students after clearing their Class 12 exams. This 4-year duration course is offered by many engineering colleges across India. But once you have completed engineering, what next? This question is faced by many engineering students in the fourth year of B.Tech.

After completing the B.Tech course, candidates can either pursue higher studies (one popular exam that they can give for this is GATE) or consider pursuing a job in the field of their choice. Although M.Tech is a natural course choice after completing a B.Tech course, these days many students opt to take up an MBA course after completing their B.Tech degree program.

Other options that aspirants can consider include picking up a job at a PSU (Public Sector Undertaking), taking the Civil Services entrance exam, or joining a private company. Let's talk about each of these in detail.

TOPICS TO BE COVERED

- Introduction of the btech
- Top Career Opportunities
- B.Tech College Placements
- Higher Studies – Courses after B.Tech
- A Job in the field of your choice in the Private Sector

COURSE CONTENT:

Engineering (B.E., or B.Tech.,) is among the most popular graduation courses that students take after completing their school. Choosing the right career can be confusing for many students. The world is full of opportunities. And you might not be aware of most of them. One has to know the list of all career options after engineering to select the right one.


PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sherguda(V), Ibrahimpatnam(M),
R.R Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Career After Engineering” On 11th Dec 2017




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://sriet.ac.in>

webinar on rentable energy system and sustainability education, research and outreach --

Date :04-12-2017

about the program

The theme of the conference is "About the Scope of Education and Research in the Field of Renewable Energy and Sustainability". This Field has an increasing Outreach in terms of Development and Innovations. This Webinar is going to help Participants to Understand and have clear Insight on this Topic, which can be Very useful in the Future.

The RES Group (Renewable Energy Systems) is a global renewable energy company which has been active in the renewable energy industry for over 30 years. Its core business is to develop, construct and operate large-scale, grid-connected renewable energy projects worldwide for commercial, industrial and utility clients. Our goal is to educate the community, both on and off campus, on what it means to be sustainable. The change we seek is a better informed community. The more we are able to educate and inspire, the greener our City of Huntington will become. We hope to help grow our college and the greater hyderabad region into a truly sustainable community, through the efforts of our education outreach program.

Topics to be covered

Community development and training

Urban and governmental affairs

in the area of Sustainable Outreach and Education are designed to foster leadership in creating a culture of sustainability on campus and within the community. This makes sustainability an integral part of the academic curriculum, research practices, and all extracurricular activities


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “ Renewable Energy System and Sustainability- Education, Research and Outreach” On 04th Dec 2017




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana.-501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510,
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://silet.ac.in>

One day workshop modern surveying using total station

Surveying or land surveying is the technique, profession, and science of determining the terrestrial or three-dimensional position of points and the distances and angles between them. A surveying professional is called a surveyor. These points are usually on the surface of the Earth, and they are often used to establish land maps and boundaries for ownership, locations like building corners or the surface location of subsurface features, or other purposes required by government or civil law, such as property sales. Surveyors work with elements of mathematics (geometry and trigonometry), physics, engineering and the law. They use equipment like total stations, robotic total stations, GPS receivers, prisms, 3D scanners, radios, handheld tablets, digital levels, and surveying software. Surveying has been an element in the development of the human environment since the beginning of recorded history. The planning and execution of most forms of construction require it. It is also used in transport, communications, mapping, and the definition of legal boundaries for land ownership.

Workshop Benefits

- Save time and money and reduce errors with the dynamic engineering model.
- Reduce purchase, deployment, and support costs with one complete solution.
- Increase value to client by delivering more design alternatives in less time.
- Take full advantage of existing LAND SURVEY skills to get up to speed quickly.
- Create production sheets faster.
- Be sure that production drafting is always in sync with your design.
- Complete projects faster and reduce the chance of coordination errors using the Land Survey
- Exploit data compatibility.
- Build a foundation for your custom solution.
- Clearly communicate design intent and complete final proposals with realistic 3D rendering.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam
R.R. Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Webinar On “Total Station and GPS” On 10th Nov 2017




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510

PRINCIPAL
 Sri Indu Institute of Engineering & Tech
 Sheriguda(V), Ibrahimpatnam,
 R.R. Dist. Telangana -501 510

- Save time and money and reduce errors with the dynamic engineering model.
- Reduce purchase, deployment, and support costs with one complete solution.
- Increase value to client by delivering more design alternatives in less time.
- Take full advantage of existing LAND SURVEY skills to get up to speed quickly.
- Create production sheets faster.
- Be sure that production drafting is always in sync with your design.
- Complete projects faster and reduce the chance of coordination errors using the Land Survey
- Exploit data compatibility.
- Build a foundation for your custom solution.
- Clearly communicate design intent and complete final proposals with realistic 3D rendering.

Workshop Benefits

Surveying or land surveying is the technique, profession, and science of determining the terrestrial or three-dimensional position of points and the distances and angles between them. A surveying professional is called a surveyor. These points are usually on the surface of the Earth, and they are often used to establish land maps and boundaries for ownership, locations like building corners or the surface location of subsurface features, or other purposes required by government or civil law, such as property sales. Surveyors work with elements of mathematics (geometry and trigonometry), physics, engineering and the law. They use equipment like total stations, robotic total stations, GPS receivers, prisms, 3D scanners, radios, handheld tablets, digital levels, and surveying software. Surveying has been an element in the development of the human environment since the beginning of recorded history. The planning and execution of most forms of construction require it. It is also used in transport, communications, mapping, and the definition of legal boundaries for land ownership.

One day workshop modern surveying using total station

Sri Indu Institute of Engineering & Technology



Recognized Under 2(D) of UGC Act 1956
 Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad
 Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
 Campus Ph: 9640590999, 9347187999, 8096951507.
<https://sitet.ac.in>



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “Modern surveying using total station”

On 29th Dec 2016




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.


Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Two Days Workshop On “Smart Traffic Lighting System”

From 22nd Dec 2016 to 23rd Dec 2016




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Smart Traffic Lighting system

Smart traffic lighting project is about sensing the density the traffic on roads and automatically controlling the traffic lights. The traffic lights are to be controlled using the Arduino Board. The IoT project is similar to that used in nowadays smart traffic lights; which will teach you the basics of a traffic lighting system. The project will require some kits and concepts which are as follows: - Arduino board, IR sensors, Multicoloured LED lighting system, Toy cars for testing

These kits will be shipped to you within 24 hours if you registered to the course provided at the **Skyfi Labs**. This course will provide you with all the basics of this system.

Project Implementation

We will look at all these kits one by one and will know their essentials related to the project.

The Arduino boards are basically controllers which can be used to control the hardware using the simplified programming language. The Arduino programming language is very easy and can easily control the hardware using coding. The Arduino UNO board will be used for this project which fits right for this purpose. As inputs and outputs are important, the board is well-known for its identification capability of input and output signals.

The inputs to the board will be through IR sensor. The IR sensor will be used for the project in order to count the number of cars on the streets and then give data to the controller. The IR sensor should be able to identify the density on the road. The comparison of the density on the road is done with the help of Arduino programming language. The IR sensors are to be well connected with the Arduino board.

Now, the coding will be done on the Arduino IDE which is compatible software for coding the Arduino programming language. The experts at **Skyfi Labs** will teach the basics of the programming language. The language is well known for manipulating hardware using the software. For testing the system we will build a model which contains the traffic light and some cars toys.

Conclusion

The project will require the developer to have some knowledge about the Arduino UNO board and Arduino IDE software. The system made with proper care will work efficiently and it is very simple to build it.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Workshop on Finite Element Analysis Using ANSYS

ABOUT PROGRAMME

The course builds from the big ideas in finite element analysis and computational fluid dynamics to ANSYS case studies that progress from real-world applications and examples. ANSYS is the flagship engineering software solution that uses finite element analysis (FEA), which is a numerical and computational method used to solve the real engineering problems related to physics, structural analysis, heat transfer, fluid flow, mass transport, and electromagnetic potential field. To solve the problem, it subdivides a large problem into smaller, simpler parts that are called finite elements and solve the problem by minimizing an associated error function.

LEARNING OUTCOMES

- Define engineering problem, developing an approach to research problem and selection of suitable FEA Domain.
- Solving engineering situations analytically, drawn from aero/auto domains
- Improves creativity, that is required by concept designers
- Visualization problems based on logic, process, geometries, etc.


PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V) Ibrahimpatnam(M).
R.R. Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On 'Finite Element Analysis using ANSYS'

On 13th Aug 2016




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sberiguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siiet.ac.in>

A One Day workshop On PCB Manufacturing

Date :20th JAN 2016

In this workshop experts will take you through the process of making Printed Circuit Boards (PCBs) from scratch! You'll make a PCB prototype to function as a clap circuit - the system detects clap sound to power an LED bulb.

PCB is a acronym of **Printed Circuit Board** that helps in connecting the electronics components with pads, tracks and lines incorporated on a laminated copper sheet. It is considered as an insulating material which can be developed using epoxy on which copper layer is laminated.

TOPICS TO BE COVERED

- Circuit design using software tools
- PCB fabrication as per design input
- Testing PCB after loading components

COURSE CONTENT:

- Design and Manufacture your own PCB
- Develop and Test your own Clap circuit
- Understand the steps and processes involved in PCB manufacturing
- Developing the schematics of circuit using industry grade software

PCB is a acronym of Printed Circuit Board that helps in connecting the electronics components with pads, tracks and lines incorporated on a laminated copper sheet.

It is considered as an insulating material which can be developed using epoxy on which copper layer is laminated.

PCB design has been evolved in an amazing way and revitalized the latest technology. You can have a look at top 10 PCB design software.


PRINCIPAL
Sri Indu Institute of Engineering & T
Sberiguda(V), Ibrahimpatnam(A),
R.R. Dist. Telangana -501 510




Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

One Day Workshop On “PCB Manufacturing” On 20th Jan 2016




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. -501 510



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956

Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.

Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.

Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Workshop On Recent Trends In Mechanical Engineering

The one-week online workshop entitled 'Recent Trends in Mechanical Engineering' is an honest endeavor to cover various facets of Modern & Smart Manufacturing, Design, and Advance Thermal Engineering. It starts with a deeper discussion on Engineering trends with special emphasis on smart materials, Industry 4.0, 3D printing, CAD/ CAM and Robotics, etc

- Special emphasis has also been laid on machining processes starting with basic conventional machining practices to the more nascent hybrid machining are included.
- The course is also replete with various micro-fabrication technologies and biomedical engineering which are to be discussed by eminent resource persons.
- The program is interdisciplinary and is open for Mechanical Engineering (UG/ PG) students.
- The program may lead to active collaboration between participants and resource persons in these areas.


PRINCIPAL
Sri Indu Institute of Engineering & Tech
Sheriguda(V), Ibrahimpatnam(M)
R.R Dist. Telangana -501 510



Sri Indu Institute of Engineering & Technology


Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi Affiliated to JNTUH, Hyderabad.
Main Road, Sheriguda, Ibrahimpatnam, R.R. Dist. 501 510.
Campus Ph: 9640590999, 9347187999, 8096951507.

<https://siet.ac.in>

Two Days Workshop On “Recent trends in Mechanical Engineering”

From 16th Oct 2015 To 17th Oct 2015




PRINCIPAL
Sri Indu Institute of Engineering & Tech.
Sheriguda(V), Ibrahimpatnam(M),
R.R. Dist. Telangana. -501 510