JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES
(An Autonomous Institution)

The following list of Value Added courses organized by the Institution with Brochure,contents and outcomes for the academic year 2020-21
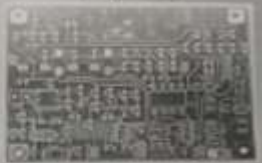
JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

UGC - AUTONOMOUS

Permanently Affiliated to JNTUH, Accredited by NBA, Recognised Under UGC 2 (f) & 12 (b)

NARSAMPET, WARANGAL - 506332

Estd:2001

Sales Force Fundamentals:

M Gmail

Manoj Kumar Myakala <tpo@jits.in>

Salesforce Fundamentals Women in Tech Initiative

Ramakrushan Mamidi <rm4-task@telangana.gov.in>   Wed, Mar 24, 2021 at 8:53 PM
To: BITS ENG PRINCIPAL <principal@bitswgl.ac.in>, CITS ENG PRINCIPAL <principalcits@chaitanyacolleges.com>, CJIT ENG PRINICPAL <principal.cjits@gmail.com>, GANA ENG PRINCIPAL <gecprincipal@yahoo.co.in>, JAYA ENG PRINCIPAL <principal@jits.in>, KITS ENG PRINCIPAL1 <principal.kitswgl@gmail.com>, KU ENG PRINCIPAL <principal.kucet@gmail.com>, SR ENG PRINCIPAL <principal@srecwarangal.ac.in>, SUM ENG PRINCIPAL <principalsritw@gmail.com>, SVS ENG PRINCIPAL <principal@svsit.ac.in>, TALL ENG PRINCIAPAL1 <principal.tpce@gmail.com>, UNI ENG PRINCIPAL <principalucetw@gmail.com>, "UNI1, PRIN" <drstadisetty@gmail.com>, VCE ENG PRINCIPAL <principal.vce@gmail.com>, VEC ENG PRINCIPAL <principal.vec@gmail.com>, WITS ENG PRINCIPAL <principal.wits@gmail.com>, "tpce, director" <director.tpce@gmail.com>
Cc: BITS ENG TPO <bits.warangal@gmail.com>, CITS ENG TPO <citstnp@chaitanyacolleges.com>, CJITS ENG TPO <tpocjits@gmail.com>, GAN ENG TPO <tpo.ganapathy@gmail.com>, JITS ENG TPO <jitstpo@gmail.com>, JITS ENG TPO1 <tpo@jits.in>, KITS ENG TPO <task.kitsw@gmail.com>, KU ENG TPO <placement.kucet@gmail.com>, SR ENG TPO <tpo@srecwarangal.ac.in>, SR ENG TPO1 <srectpo@gmail.com>, SUM ENG TPO <sritw.tpo@gmail.com>, SVS ENG TPO <placements@svsit.ac.in>, TALL ENG TPO <tpce.task@gmail.com>, UNI ENG TPO <kiranbollam22@gmail.com>, VAAG ENG TPO <vaagdevi.tpo@gmail.com>, VCE ENG TPO <ssvn.sarma1@gmail.com>, WITS ENG TPO <witstpo@gmail.com>

Dear Principal/TPO,

TASK and Salesforce are bringing up a women centric program called **Salesforce Fundamentals- Women in Tech Initiative.**

Many of Salesforce hiring partners and customers are looking forward to hire talented women to join their organisations as part of their Diversity and Inclusion initiative. They are looking to skill and empower 1K girl students.
The enrolled students will go through a series of curated trailmixes and virtual trainings taken by instructors over the weekends.

Please find the attachment for the complete details about the program.

Kindly note that this program is **only for TASK registered girl students.**

Eligible students for this initiative is as below :

B.Tech / BE Colleges - 2nd year Girl Students of CSE, IT, ECE, EEE, Mechanical streams

Degree Colleges - 2nd year Girl Students of Bcom, BSc, BBA

MBA Colleges - 1st year Girl Students

Please see below the key highlights.

Key Highlights:

- Launch date - April, 2021
- Duration: 12 weeks
- Time commitment from students: 4-6 hours a week
- Format: Self paced with guided help from instructors
- Mentorship and Job Connections

I request you to give yours SPOCS and faculty nominations by 29th March, 2021:

2

Sales Force Fundamentals:

List of content:

Get Start with sale force Platform

Discover Use cases for platform

Understand sale force architecture

Data Modeling

Create Object Relationship

Work with schema builder

Data Management

Import Data

Export data

Course Outcomes:

1. Ability to Understand the Concept of Sales force fundamentals

2. Understand the Cases studies of Sales force Platform and applying the logic for program development

3. Implementation and design Sales force Platform with data modeling

4. Ability to Understand the concepts of Data Base management system and applying to Project development

Microsoft AI

Course content

1. The AI track takes aspiring AI engineers from a basic introduction of AI to mastery of the skills needed to build deep learning models for AI solutions that exhibit human-like behavior and intelligence.

2. Recorded videos in every course, and can be completed at you own pace and practice questions to make sure the topic is understood well.

3. Interactive live lectures and query solving sessions by industry specialists in Artificial Intelligence.

4. The MPP AI Certificate will be awarded when you achieve a 70% pass rate and obtain a verified certificate for all the 9 courses and complete the capstone project.

5. Guided lab sessions with instructors for hands on practice on various platforms/technologies covered in the program.

COURSE OUTCOMES

- Upon successful completion of the course, students will be able to: describe how machine learning provides the foundation for AI

- Leverage cognitive services in developing app; build and derive insights using machine learning models in problem spaces such as classification, regression, and clustering.

- Solve image classification problem using deep learning models such as convolution neural network (cnn); forecast time series data and process sequential data using deep learning models such as recurrent neural network (rnn) and long short term memory (lstm); frame reinforcement learning problems and solve them using algorithms such as dynamic programming, temporal difference learning.

- Deep q learning, policy gradient and actor-critic; apply classical image analysis techniques, such as edge detection, watershed and distance transformation as well as k-means clustering to segment a basic dataset.

- Apply deep learning models to solve machine translation and conversation problems

- Complete and solve a real-world artificial intelligence challenge.

PCB DESIGN

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NARSAMPET, WARANGAL - 506332

Estd:2001

PCB DESIGN

CONTENTS:

1.Introduction to PCB

2.Fundamental of basic electronics

- Component identification

- Component symbols & their footprints

3.Schematic Design

4.Layout Design

5.Design rule checking

6.Manufacturing exports

7.Fabrication of PCB

8.Assembling & Testing

PCB DESIGN

COURSE OUTCOMES

Upon the completion of this course, students will able to:

CO 1 : Understand the various symbols, foot prints/packaging of components

CO 2: Design schematic and layout of electronic circuits

CO 3: Fabricate Printed Circuit Board

CO 4: Evaluate and test the completed PCB

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NARSAMPET, WARANGAL - 506332

Estd:2001

MACHINE LEARNING IN ROBOTICS

MACHINE LEARNING IN ROBOTICS

Contents

1. Artificial intelligence.

2. Data science.

3. Computer science.

4. Mathematics.

5. Statistics.

6. Data mining.

7. Deep learning.

8. Natural Language Processing.

MACHINE LEARNING IN ROBOTICS

Course Outcomes

1. Design a neural network for an application of your choice.

2. Implenmnted probabilistic discriminative and generative algorism for an application of your choice and analyze the results.

3. Use a tool to implement typical clustering algorithms for different types of applications.

4. Design and implement an HMM for a sequence model type of application.

5. Identify application suitable for different types of machine learning with suitable justification.

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BRAIN WAVE ROBOTICS

Brochure

BRAIN WAVE ROBOTICS

COURSE CONTENT

- ➢ Introduction to Brain Wave Robotics
- ➢ Recent Advances of Brain wave Robotics
- ➢ Real Time Feature application of Brain wave Robotics
- ➢ Brainwaves & its Types
- ➢ Working of Sensor to record Brainwaves
- ➢ Foundations of Brain wave operated Robotics
- ➢ EEG (Electroencephalo -Graphy)
- ➢ Role of EEG in Wireless Communication
- ➢ Application of wireless communication in robotics
- ➢ Android Smartphone Based Voice Controlled Robot
- ➢ Mind Controlled Robot and Features of mind controlled robots
- ➢ Simple LED Program
- ➢ Speed Control Based on Mind Waves
- ➢ Applications of speed control robot
- ➢ Robotics Based Projects and Research Areas of Robotics
- ➢ Hands on Practice : Lab session

BRAIN WAVE ROBOTICS

COURSE OUTCOMES

1. Students learnt from this workshop fundamentals of brainwaves and their applications in today's world.

2. This workshop provides guidance in the field of integrating Brainwave technology and Robotics (which generally involves a microcontroller, actuators, power supply, etc.)

3. It also focused on conceptualization and designing of complex systems in order to harness the power of mind in the form of brainwaves.

4. This workshop also helped clear concepts related to embedded systems, artificial intelligence and automation.

5. Students got the opportunity to learn the art of making robots which are controlled by the signals coming from your mind.

6. Details on microcontroller Programming using ARDUINO.

7. Learnt Interfacing and controlling various devices like LED , Motors, Sensors etc with microcontroller

8. Use of wireless devices such as wireless Bluetooth module for different interface control.

9. Making of various types of robots, their algorithms and coding.

10. Use of brainwave sensors and its applications

Data processing using ANN

I

Sponsoring & Forwarding

This is Certified Prof /Dr / Sri / Ms.------------
------is working as in the Department of ------------
------is sponsored to attend ONE WEEK WORSHOP ON
" Data Processing Using Artificial Neural Network 2020" Organized by Jayamukhi Institute of Technological Sciences Narsampet , District Warangal from 23/11/2020 to 28/11/2020. In case the candidate is selected he / she shall be permitted to attend the course.

Date :   Signature of the Authorized Person
                Name
                Designation
                (SEAL)

Registration Fee

Registration fee of Rs 100 /- has to be paid along with this registration form. It has to be paid in the form of crossed demand draft in favor of
Principal, Jayamukhi Institute of Technological Sciences Narsampet" Payable at Warangal

1. The payment of fee has to reach to the convener either Email and / or by hard copy on or before 19/11/2020.

2. Selected candidate will be informed by Email on 20th November 2020.

Address for Correspondence:
  Head of the Department
  Md. Hameed Pasha
  Dept of Electronics and Communication Engineering
Jayamukhi Institute of Technological Sciences, Narsampet, (Dist): Warangal- 506332. (T.S)
  E-mail: hodecejits@gmail.com
  Mobile - 9490377766.

About JITS Narsampet:

Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with Three B.Tech Courses namely ECE, CSE and IT with an intake of 60 each in the year 2001. In a short span of 19 years it has developed as one of the premier Technical Institute in this part of the state. At present the institute offers 5 B.Tech Courses in ECE, CSE, EEE, ME, CIVIL and M.Tech courses in CSE, SWE, VLSI, PSCA and CAD/CAM in addition to MBA, Pharmacy, B.Ed, D.Ed courses under the fold of the same society. The Institute affiliated to JNTU, Hyderabad. Four B.Tech courses namely CSE, ECE, EEE &IT are accredited by NBA AICTE, New Delhi for period of three years with effect from 10-02-2009, which is a record in the history of technical institutions of T.S. Again three departments EEE,CSE, ECE was accredited by NBA for a period of three years. The institute is spread over an area of 40 acres of green pastures in Narsampet, about 30km away from the historical city of Warangal and presents a picturesque and panoramic view. It has well developed laboratories in all disciplines, a Computer Centre with 1000 P-IV systems and with 2IBM servers and associated software, a fully fledged training and Placement Cell, Educational Technology Cell, English Language Communication Skills Laboratory, a dedicated leased BSNL 1:1 8 Mbps Internet Wi-Fi Connectivity spread over the entire campus. The institute has well qualified and experienced teaching faculty.

HANDS-ON WORKSHOP ON

"Data Processing Using Neural Network 2020"
23rd to 28th November 2020

JAYAMUKHI

Convenor:
  Dr.Ghanshyam Singh
  Dept of Electronics and Communication Engineering
  Coordinators:
  Ms. Zulekha Tabassum
  Assistant Professor
Organized by:

Dept. of Electronics and Communication Engineering
Jayamukhi
Institute of Technological Sciences Narsampet,(Dist) Warangal- 506332. (T.S)

About the Course

Overview of Artificial Neural Networks and it's Applications

This workshop gives insights on Machine Learning and Artificial Intelligence, as well as many case-studies using Python libraries. The artificial neural network (ANN) is a machine learning (ML) methodology that evolved and developed from the scheme of imitating the human brain. Artificial intelligence (AI) pyramid illustrates the evolution of ML approach to ANN and leading to deep learning (DL). Nowadays, researchers are very much attracted to DL processes due to its ability to overcome the selectivity-invariance problem. In this chapter, ANN has been explained by discussing the network topology and development parameters (number of nodes, number of hidden layers, learning rules and activated function). The basic concept of node and neuron has been explained, with the help of diagrams, leading to the ANN model and its operation. All the topics have been discussed in such a scheme to give the reader the basic concept and clarity in a sequential way from ANN perceptron, model to deep learning models and underlying types.

Course Content:
- Introduction to Neural Network and Artificial Neural Network and Applications.
- Learning Techniques: Machine Learning, Artificial Intelligence and Python
- Linear Regression Logistic Regression Random Forest and Decision Tree Algorithm Clustering
- Single and Multi-Layered Neural Networks, Convolutional Neural Networks Tensor Flow and Kera Data Manipulation and Preprocessing.
- Data Analysis using Python, Data Visualization on World Map,
- Hand on Practice Python and MATLAB Neural Network Tool Box

Eligibility:

The program is open to the all students and Faculty members engaged in teaching Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.

TA, Boarding & Lodging Facilities:

All the participants will be provided working lunch, tea and snacks. No TA, Boarding and Lodging Facilities will be provided.

About the Department of Electronics and Communication Engineering

The Electronics and Communication Engineering (ECE) Department was started in the year 2001 and it is one of the well established and largest departments in the institution since the inception. The department offers Undergraduate (B.Tech ECE) and Postgraduate (M.Tech Embedded Systems) & (M. Tech VLSI Design) Programs that provide students with the knowledge and tools they need to succeed in the Electronics and Communication Engineering. Currently the department offers four year B.Tech course with student intake of 180. The department is accorded with NBA accreditation in the year 2009 and 2017 for 3 Years. The Department has grant in aids from various funding agencies for organizing FDPs, STTPs, MODROBs Schemes over 3 Years. The Department has grant in aids from various funding agencies for organizing FDPs, STTPs, MODROBs Schemes over 3 Years. The senior faculties of the department are executing TEQIP-III project under JNTU Hyderabad and also applied for DST projects. Texas Instruments University program sponsored two research Laboratories on the Internet of Things and Robotics.

Students of the department are well placed in MNCs and other government sectors.

Chief Patron:

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 Chief Patron
Sri Ch.Devender Reddy - Secretary
Sri T.V.R.N.Reddy - Joint- Secretary
 Principal
 Dr.M.Lokanadha Rao
 Director
 Prof.P.Rangaiah
 Head of Department
 Md.Hameed Pasha
ISTE, Circuit & System Faculty Advisor
 Dr. S.K. Mastan
 Associate professor

Organizing Committee
1. Mr.M.Sridhar Asst.Prof. ECE
2. M.Snkumar Asst.Prof. ECE
3. Mr.Kalyan Asst.Prof. ECE
4. Mr. Rakesh Asst.Prof. ECE
5. Mr.N. Lalu Asst.Prof. ECE

HANDS-ON WORKSHOP ON

"Data Processing Using Neural Network 2020"
23rd to 28th November 2020

Jayamukhi

Institute of Technological Sciences Narsampet,(Dist); Warangal- 506332. (T.S)

1. Full Name ....
2. Designation ....
3. Department ....
4. Institute ....
5. Qualification ....
6. Date of Birth ....
7. Address for Correspondence: ......
....
....
8. Mobile ....
9. Email Id ....
10. Fee Rs 100 /......................
11. Mode of Payment ....

DECLARATION

The information provided herewith is true, to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop programme.

Date: Signature

Place:

Workshop on "Data Processing Using Artificial Neural Network"
23rd - 28th November 2020

COURSE CONTENT

- Introduction to Neural Network and Artificial Neural Network and Applications.
- Learning Techniques: Machine Learning, Artificial Intelligence and Python
- Linear Regression Logistic Regression Random Forest and Decision Tree Algorithm Clustering
- Single and Multi-Layered Neural Networks Convolutional Neural Networks Tensor Flow and Keras Data Manipulation and Preprocessing.
- Data Analysis using Python, Data Visualization on World Map,
- Hand on Practice Python and MATLAB Neural Network Tool Box
- Hands on Practice : Lab session

Workshop on "Data Processing Using Artificial Neural Network"
23rd - 28th November 2020

COURSE OUTCOMES

1. The aim of this workshop, students learnt fundamentals of Design to present an approach for the **data** collection based on features standardized in industry and for **data** classification.

2. This workshop provides guidance in the state-of-the-art **design** approaches for Characteristics, Artificial **Neural Network**, and Biological (Real) **Neural Network**. Speed, faster in **processing** information.

3. There will always be **data** sets and task classes that a better analyzed by using previously developed algorithms.

4. The success of **deep learning** is rooted in the ability of deep **neural networks** to learn descriptors of **data** with different levels of abstraction.

5. This workshop also helped to develop applications in image and video recognition, recommender systems, image classification, image segmentation, medical image **analysis**, natural language**.**

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NARSAMPET, WARANGAL - 506332

Estd:2001

ROBOTIC TECHNOLOGY

ROBOTIC TECHNOLOGY

List of Content:

1. Detail study on signal processing technique
2. Advance study on modulation technique.
3. Voice/speech Recognition
4. DC-motor
5. Arduino Programming
6. Design and fabrication of voice controlled robot
7. Bluetooth/ESP8266 Wi-Fi module technology

ROBOTIC TECHNOLOGY

Course outcomes:

1. Understand the concepts of signal processing and modulation techniques.

2. Detail study on Voice/speech recognition and DC-Motor

3. Ability to understand the Arduino Programming concepts

4. Design and fabrication of various robots which is used in real world applications

DATA ACQUISITION SYSTEM

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NARSAMPET, WARANGAL - 506332

Estd:2001

DATA ACQUISITION SYSTEM

CONTENTS LIST:

1.Introduction to Data Acquisition system

2. Digital to Analog and Analog to Digital conversion

3. Data acquisition and manipulation

4.Op amp applications & frequency Response

5.A/D s in microcontroller

6.Data sampling and recording

7.A/D s in MC9S12DPS56B

8.68HC11 Analog I/O

9.Instrumentation and product Testing

10.Applications of Data acquisition system

DATA ACQUISITION SYSTEM

COURSE OUTCOMES:

1. Identify digital control and data acquisition system components.
2. Determine theOPamp applications and frequency Response
3. Determine the Data acquisition and manipulation
4. Select A/D s in microcontroller
5. Design and test Data acquisition system circuit

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Artificial Intelligence Techniques to Power System

Brochure:

REGISTRATION FORM

1. Name of Participant: ....
2. Designation: ....
3. Qualification: ....
5. Department ....
6. Institution/Industry...........
7. Address for Correspondence............
8. Mobile No.................
9. Email.......................
10. Category (ST/SC/OBC/OC/Others) ....

DECLARATION

The information provided herewith is true to the best of my knowledge. I agree to abide by the rules and regulations governing the workshop Program.

Date:

Place: **Signature of the applicant**

Registration Fee:
- **Students**   100/-

Address for Correspondence:
The Convenor,
Mr. D. Rajani Kumar
Department of Electrical and Electronics Engineering
Jayamukhi Institute of Technological Sciences,
Narsampet, (Dist): Warangal-506332. (T.S)
E-Mail: eeehod@jits.in

Chief Patron:
Sri Ch. Narsimha Reddy – President

Patron:
Sri Ch. Devender Reddy - Secretary
Sri T.V.R.N. Reddy - Joint-Secretary

Principal:
Dr.M. Lokanadha Rao

Director:
Prof.V. Rangaiah,

Conveners:
Mr.D.Rajani Kumar
Associate Professor & Head, Dept. of EEE
Coordinator:
Mr.K.Sujatha, Asst.Prof
Dept. of EEE
Mobile: +91-9618807060

Mr.B.Praveen, Asst.Prof
Dept. of EEE
Mobile: +91-9849535694
E-Mail: eeehod@jits.in

How to Register:
The participants may log on to the website: www.jits.in and fill up the application form selecting the name of the course you may also send scanned copy of your filled application form to ecehod@jits.in on or before **6th April 2019.**

Application format may be downloaded from the website (also available in this Broucher)

A One Week Workshop
On

" ARTIFICIAL INTELLIGENCE TECHNIQUES TO POWER SYSTEM "

12th -16th October 2020

Organized by
Department of Electrical and Electronics Engineering

**JAYAMUKHI
INSTITUTE OF TECHNOLOGICAL
SCIENCES**
(An Autonomous Institution)

(Permanently Affiliated to JNTUH, accredited by NBA, recognized Under UGC 2(f) & 12(b))

Narsampet, Warangal (Rural) – 506332(T.S)

About JITS Narsampet:

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The institute is spread over an area of 40 acres of green pastures in Narsampet, about 30km away from the historical city of Warangal and presents a picturesque and panoramic view. It has well developed laboratories in all disciplines, a Computer Centre with 1000 latest computers with 3 IBM servers and associated software, a fully fledged training and Placement Cell, Educational Technology Cell, English Language Communication Skills Laboratory, a dedicated leased BSNL 100 Mbps Internet Wi-Fi Connectivity spread over the entire campus. The institute has well qualified and experienced teaching faculty. The faculty is active in research and published more than 300 technical Research papers in reputed National and International Journals.

About EEE Department:

The Department of Electrical & Electronics Engineering was established in the year 2002. The current intake in UG program is 120 and PG program M.Tech (PSCA) is 24. The department is Accredited by NBA, New Delhi. The department has dedicated and qualified faculty as per the norms of AICTE. The department has equipped with sophisticated laboratories. The department had already organized two AICTE sponsored two week FDP program entitled "Soft Computing Techniques in Electrical Engineering" in the year 2010 with a grant of 7 Lakh and another FDP entitled "Renewable Energy Sources – Integration to Power Systems" in the year 2013 with a grant of 4 Lakh the eminent guest lecture

About the Workshop:

- ➢ AI techniques found in power systems applications are those utilizing the logic and knowledge representations of expert systems, fuzzy systems, artificial neural networks (ANN) and, more recently, evolutionary computing
- ➢ Current approach of AI in power system applications are: Planning for Generation expansion, power system reliability, transmission expansion, and reactive power. Control of voltage, frequency and stability, and power flow. Control of a Fuel Cell and thermal power plant.

Resource Persons

Renowned academicians in this field are being invited to deliver lectures on specialized topics. Some of the eminent guest faculties in this field are:

List of Resource Persons:

1. Dr. K. Prakash
   Professor – Electrical and Electronics Engineering Department. VCE, WGL
2. Mr.K.Ajith Kumar
   Assistant Professor - Electrical and Electronics Engineering Department. KITS, WGL

Artificial Intelligence Techniques to Power System

Contents:

1. Introduction to Artificial Intelligence Techniques to Power System

2. Planning for Generation expansion

3. Machine Learning

4.NLP (Natural Language Processing)

5.Automation and Robotics

6.Rule Bases System

7. Artificial Super Intelligence (ASI) and Neural Network

8. Future advantages of Artificial Intelligence Techniques to Power System

9. Outcomes

Artificial Intelligence Techniques to Power System

Outcomes:

- ➤ With advancements in technologies.
- ➤ Domains like AI and machine learning have come into existence.
- ➤ They have the capability of transforming the renewable energy industry.
- ➤ By leveraging the power of AI, power companies can get better forecasts.
- ➤ Manage their grids and schedule maintenance.

INTERNET OF THINGS

Internet of Things

Course Content:

1. Introduction & Concepts: Introduction to Internet of Things, Physical Design of IOT, Logical Design of IOT, IOT Enabling Technologies, IOT Levels.

2. Domain Specific IOTs: Home Automation, Cities, Environment, Energy, Retail, Logistics, Agriculture, Industry, Health & Life Style.

3. M2M & System Management with NETCONF-YANG: M2M, Difference between IOT and M2M, SDN and NFV for IOT, Software defined Networking, Network Function Virtualization, Need for IOT Systems Management, Simple Network Management Protocol, Limitations of SNMP, Network Operator Requirements, NETCONF, YANG, IOT Systems management with NETCONF-YANG.

4. Developing Internet of Things & Logical Design using Python: Introduction, IOT Design Methodology, Installing Python, Python Data Types & Data Structures, Control Flow, Functions, Modules, Packages, File Handling, Date/ Time Operations, Classes, Python Packages.

5. IOT Physical Devices & Endpoints: What is an IOT Device, Exemplary Device, Board, Linux on Raspberry Pi, Interfaces, and Programming & IOT Devices.

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NARSAMPET, WARANGAL - 506332

Estd:2001

Internet of Things

Course Outcomes:

1. The students will be thorough about the technology behind the IoT and associated technologies.

2. The students will be able to use the IoT technologies in practical domains of society

3. The students will be able to gain knowledge about the state of the art methodologies in IoT application domains.

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BIG DATA ANALYTICS

Broucher

Big Data Analytics

Course Content:

1. Overview of Big DataThis includes topics such as history of big data, its elements, career related knowledge, advantages, disadvantages and similar topics.

2. Using Big Data in Businesses This module should focus on the application perspective of Big Data covering topics such as using big data in marketing, analytics, retail, hospitality, consumer good, defense etc.

3. Technologies for Handling Big DataBig Data is primarily characterized by Hadoop. This module cover topics such as Introduction to Hadoop, functioning of Hadoop, Cloud computing (features, advantages, applications) etc

4. Understanding Hadoop EcosystemThis includes learning about Hadoop and its ecosystem which includes HDFS, MapReduce, YARN, HBase, Hive, Pig, Sqoop, Zookeeper, Flume, Oozie etc.

5. Dig Deep to understand the fundamental of MapReduce and HBaseThis module should cover the entire framework of MapReduce and uses of mapreduce.

Course Outcomes:

1. Discuss the challenges and their solutions in Big Data

2. Understand and work on Hadoop Framework and eco systems.

3. Explain and Analyse the Big Data using Map-reduce programming in Both Hadoop and Spark framework.

4. Demonstrate spark programming with different programming languages.

5. Demonstrate the graph algorithms and live streaming data in Spark

JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

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Permanently Affiliated to JNTUH, Accredited by NBA, Recognised Under UGC 2 (f) & 12 (b)

NARSAMPET, WARANGAL - 506332

Estd:2001

Enhancement of SAP software for civil Engineering

Brochure

Sponsoring & Forwarding

This is to certify that Prof./Dr./Sri./Ms. _____ working as _____ in the Department of _____ is sponsored to attend One week FDP on "Enhancement Of Sap Software For Civil Engineers" Organized by Jayamukhi Institute of Technological Sciences, Narsampet, Warangal(R) from 09ᵗʰ August to 13ᵗʰ August 2021. In case the candidate is selected he/she shall be permitted to attend the course.

Date: Signature of the authorized person:

      Name:
      Designation:
      (SEAL)

Registration Fee:

Registration fee of Rs.100/- has to be paid along with registration form. It has to be paid in the form of crossed demand draft in favor of "Principal, Jayamukhi Institute of Technological Sciences Narsampet" payable at Warangal.

Schedule:

1. The Applications in the prescribed form after payment of fee has to reach the convener either by e-mail and/or by hard copy on or before 4ᵗʰ August, 2021.
2. Selected candidate will be informed by E-mail on 16ᵗʰ August, 2021.

Address for Correspondence:
The Convenor,
SAP-2021
Department of Civil Engineering
Jayamukhi Institute of Technological Sciences,
Narsampet, (Dist): Warangal-506332. (T.S)
E-Mail: sap2021civil@gmail.com , cedhod@jits.in
Mobile: 9948657444

About JITS Narsampet:

Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with Three B.Tech. Courses namely ECE, CSE and IT with an intake of 60 each in the year 2001. In a short span of 19 years it has developed as one of the premier Technical Institute in this part of the state. At present the institute offers 5 B.Tech Courses in ECE, CSE, EEE, ME, CIVIL and M.Tech courses in CSE, SWE, VLSI, PSCA and CAD/CAM in addition to MBA, Pharmacy, B.Ed, D.Ed courses under the fold of the same society. The Institute affiliated to JNTU, Hyderabad. Four B.Tech courses namely CSE, ECE, EEE & IT are accredited by NBA AICTE, New Delhi for period of 3 years with effect from 10-02-2009, which is a record in the history of technical institutions of T.S. Again three departments EEE,CSE,ECE was accredited b NBA for a period of three years.

The institute is spread over an area of 40 acres of green pastures in Narsampet, about 30km away from the historical city of Warangal and presents a picturesque and panoramic view. It has well developed laboratories in all disciplines, a Computer Centre with 1000 P-IV systems and with 2 IBM servers and associated software, a fully fledged training and Placement Cell, Educational Technology Cell, English Language Communication Skills Laboratory, a dedicated leased BSNL 1:1 8 Mbps Internet Wi-Fi Connectivity spread over the entire campus. The institute has well qualified and experienced teaching faculty. The faculty is active in research and published more than 200 technical Research papers in reputed National and International Journals.

About CIVIL DEPARTMENT

The Department of Civil Engineering was established in the year 2013.The current intake in UG program is 120. The department has dedicated and qualified faculty as per the norms of AICTE. The department has equipped with sophisticated laboratories.

ONE WEEKWORKSHOP ON
"ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS"
09ᵗʰ August to 13ᵗʰ August 2021

Convenor
Mr.Gulam Samdani
Head, Dept.of Civil Engineering

Coordinators
Mr.M.Balu Kumar
Asst. Prof –CED
Organized by

Estd :2001

DEPARTMENT OF CIVIL ENGINEERING
JAYAMUKHI
Institute of Technological Sciences
UGC-AUTONOMOUS, Affiliated to JNTUH
Narsampet, Warangal (R) -506332 (T.S), INDIA.
Tel (08718) 208586, Fax: (08718) 222569
Website: www.jits.in

ABOUT THE COURSE:

SAP2000 is a general-purpose civil-engineering software which is ideal for the analysis and design of any type of structural system. SAP2000 is the ideal software tool for users of any experience level, designing any structural system. SAP2000 is also an excellent medium for education

SAP2000 offers a single user interface to perform modeling, analysis, design, and reporting. The customizable SAP2000 interface allows users to define window layouts and toolbar layouts.

COURSE CONTENTS:

SAP Business One is an ideal solution for a construction business to mitigate the ongoing business complexities, manage job scheduling, automate staff work, project budget tracking, risk assessment, material requisition, automate work of different work projects and so much more.

Eligibility:

The program is for the faculty and students of AICTE approved Engineering Colleges.

TA, Boarding & Lodging Facilities:

All the participants will be provided working lunch, tea and snacks. No TA, Boarding and Lodging Facilities will be provided.

Resource Persons:

Renowned academicians and researchers in this field are being invited to deliver lectures on specialized topics. Some of the eminent guest faculties in this field are:
Er.Shravan Kumar
Project Manager, MS Tech IT Solution

Chief Patron:
Sri CH.NARSIMHA REDDY - President

Patron:
Sri CH.DEVENDER REDDY - Secretary
Sri T.V.R.N.REDDY - Joint-Secretary

Principal
Dr.M.LOKANADHA RAO

Director
Prof.P.RANGAIAH,

Convenor:
Mr.GULAM SAMDANI– Head, CED

Coordinators:
Mr.M.BALU KUMAR- Asst.Prof

Organizing Committee:
1. Mr.S.VENKATESH, Asst.Prof
2. Ms.CH.SHALINI, Asst.Prof
3. Ms.B.HADASSA JOICE, Asst.Prof
4. Mr.DS SHIVA KUMAR, Asst.Prof
5. Ms.B.LAXMI, Asst.Prof
6. Mr.L.NAVEEN, Asst.Prof
7. Mr.B.SAICHARAN, Asst.Prof
8. Mr.M.SANTHOSH, Asst.Prof
9. Mr.M.KARTHIK, Asst.Prof
10. Mr.G.VENKATESHWARLU, Asst.Prof
11. Mr.YM.PUNITH, Asst.Prof
12.Mr.B.SATISH, Asst.Prof

ONE WEEKWORKSHOP ON
"ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS"
09th August to 13th August 2021

JAYAMUKHI
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Narsampet, Warangal-506332 (T.S), INDIA.
Tel (08718) 208586, Fax: (08718) 222569
Website: www.jits.in

1. Full Name: _____
2. Designation: _____
3. Institute: _____
4. Qualification: _____
5. Years of Experienec: _____
6. Address for
   Correspondence: _____
7. Email: _____
8. Mobile: _____
   Fee: 100/-

Mode of Payment: _____

Reference No : _____

This is to be certify that the information given by me is correct to the best of my knowledge.

Date: Signature:

Enhancement of SAP software for civil Engineering

COURSE CONTENTS

❖ Introduction to Recent Advances in software of Construction Techniques

❖ Recent Advances in Software of Construction Methods

❖ Recent Advances in software of Construction Materials

❖ Introduction in software of Construction Management

❖ Importance of Construction Engineering in Recent Scenario of Indian Market.

❖ Foundation Engineering and its application to Construction Engineering.

Enhancement of SAP software for civil Engineering

COURSE OUT COMES

- ➢ This workshop is students will get the hands-on with E-Tabs Software. It is the only software which provides complete Structural details.
- ➢ This workshop aims the full range of Structural details, Construction processes, building services and Structural Drawings.
- ➢ The lecture focus on the real-time work-related concepts, issues, which is enhanced by the inputs of the instructor's practical experience.
- ➢ It Gives Knowledge to Civil Engineers, Entry or senior level, who wishes to streamline their existing, knowledge to make a career in Structural planning for various building system.

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Enhancement of E-TABS software for civil Engineering

Brochure

Sponsoring & Forwarding

This is to certify that Prof./Dr./Sri./Ms. _____ working as _____ in the Department of _____ is sponsored to attend One week workshop on ''Enhancement of E-tabs software for civil engineering'' Organized by Jayamukhi Institute of Technological Sciences, Narsampet, and Dist. Warangal from 04ᵗʰ to 09ᵗʰ October 2021. In case the candidate is selected he/she shall be permitted to attend the course.

Date: Signature of the authorized person:
                     Name:
                     Designation:
                     (SEAL)

Registration Fee:

Registration fee of Rs.1000/- has to be paid along with registration form. It has to be paid in the form of crossed demand draft in favor of "Principal, Jayamukhi Institute of Technological Sciences Narsampet" payable at Warangal.

Schedule:

1. The Applications in the prescribed form after payment of fee has to reach the convenor either by e-mail and/or by hard copy on or before 27ᵗʰ september, 2021
2. Selected candidate will be informed by e-mail on 29ᵗʰ september, 2021.

Address for Correspondence:

The Convenor,
Department of Civil Engineering
Jayamukhi Institute of Technological Sciences,
Narsampet,(Dist): Warangal-506332. (T.S)
E-Mail: jitscivil@gmail.com
Mobile: 9490630014

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One week workshop
On
"ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERING"
04ᵗʰ to 09ᵗʰ October 2021

Convenor
Mr.Gulam Samdani
Head, Dept.of Civil Engineering

Coordinator

Mr.Gulam Quadar   Mr.B.Sai charan
Asst. Prof –CED   Asst. Prof-CED

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DEPARTMENT OF CIVIL ENGINEERING
JAYAMUKHI
Institute of Technological Sciences
Narsampet, Warangal-506332 (T.S), INDIA.
Tel (08718) 208586, Fax: (08718) 222569
Website: www.jits.in

ABOUT THE COURSE:

Enhancement of E-tabs software for civil engineers is a very important and plays a vital role in the development of the country.

Using E-tabs softwares in structural analysis, construction, and design of buildings, it's 3- Dimensional imaging techniques.

The sophisticated design facilities offered by it for a wide range of materials, its various implications in the domain of Architecture and Civil Engineering, associated job prospectus.

Use of The solutions to some complicated problems such as Panel Zone Deformations, Diaphragm Shear Stresses, and Construction Sequence Loading are now readily available through ETABS software.

Comprehensive reports are available for all analysis and design outputs which can be customized as per the needs.

Schematic construction drawings of framing plans, schedules, minute detailing and cross-sections may be generated for both concrete and steel structures.

Design of steel and concrete frames with automated optimization is included along with the inclusion of capacity checks for steel connections and base plates.

COURSE CONTENTS:

❖ Introduction to E-tabs software.
❖ Analyses and assesses seismic performance with E-tabs.
❖ Introduction to Plans and elevation views in E-tabs.
❖ The input, output and numerical solution techniques of ETABS Analysis and design tool accelerates data preparation, output interpretation, and overall execution.

Eligibility:

The program is for the faculty of AICTE approved Engineering Colleges teaching and doing research in Civil Engineering.

TA, Boarding & Lodging Facilities:

No TA, Boarding and Lodging Facilities will be provided to the out station participants in the college hostels. Local participants will be provided working lunch, tea and snacks along with other participants.

Resource Persons:

Renowned academicians and researchers in this field are being invited to deliver lectures on specialized topics. Some of the eminent guest faculties in this field are:

1. **Er.Shravan Kumar** - Project Manager

Chief Patron:
Sri Ch.Narsimha Reddy - President

Patron:
Sri Ch.Devender Reddy - Secretary
Sri T.V.R.N.Reddy - Joint-Secretary

Principal
Dr.M.Lokanadha Rao

Director
Prof.P.Rangaiah,

Convener:
Mr.Gulam Samdani – Head, CED

Coordinator:
Mr.Gulam Quadar - Asst.Prof
Mr.B.sai charan - Asst.Prof

Organizing Committee:
1. Ms.P.vydehi, Asst.Prof
2. Mr.S.Venkatesh, Asst.Prof
3. Mr.M.Balu,Asst.Prof
4. Mr.DS Shiva Kumar, Asst.Prof
5. Mr.M.karthik, Asst.Prof
6. Ms.Ch.Shalini, Asst.Prof
7. Ms.B.H.Joice, Asst.Prof
8. Ms.B.Laxmi, Asst.Prof.
9. Mr.G.venkateshwarlu, Asst.Prof
10.Mr.A.Raju, Asst.Prof
11.Mr.L.Naveen, Asst.Prof

One week workshop
On
"ENCHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERING"
04th to 09th October 2021

JAYAMUKHI

Institute of Technological Sciences
Narsampet, Warangal-506332 (T.S), INDIA.
Tel (08718) 208586, Fax: (08718) 222569
Website: www.jits.in

1. Full Name: _____

2. Designation: _____

3. Institute: _____

4. Qualification: _____

5. Date of Birth: _____

6. Address for

     Correspondence: _____

     Email: _____

     Mobile: _____

     Fee: 1000/-

Mode of Payment: _____

This is to be certify that the information given by me is correct to the best of my knowledge.

Date: Signature:

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Enhancement of E-TABS software for civil Engineering

COURSE CONTENTS

- ❖ Introduction to Recent Advances in software of Construction Techniques

- ❖ Recent Advances in Software of Construction Methods

- ❖ Recent Advances in software of Construction Materials

- ❖ Introduction in software of Construction Management

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5 DAY WORKSHOP ON CNC MACHINING

Course content

1.Laser cutters.

2.Plasma cutters.

3.Water jet cutters.

4.Flame cutters.

5.Press brakes.

6.Milling machines.

7.Turning machines.

Course outcomes

1. Enhance their skills and knowledge of computer numerical control (CNC) machining in manufacturing sectors through collaboration, presentation and continuous learning.

2. Earn nationally-recognized, portable credentials from the Manufacturing Skill Standards Council (MSSC).

3. Promote and facilitate upward educational and career mobility by providing students with the knowledge, skills and abilities to effectively integrate themselves into any manufacturing organization.

4. Practice critical thinking and creativity that empowers them to reach their personal, academic, and professional goals.

5. Apply critical thinking skills, the scientific method and problem analysis in manufacturing.

6. Integrate the fields of management, social sciences, and humanities into an academic tract that prepares students to utilize the skills learned in the classroom within diverse settings and with a variety of populations.

7. Develop skills to participate meaningfully in the manufacturing operations for the long-term viability of a manufacturing business for the purpose of promoting the mission, vision and core values.

Workshop on AIRCRAFT DESIGN

Contents

1. Introduction to Aeromodelling

2. Discuss Goals of Workshop

3. 5.Materials in Aeromodelling

4. Getting your Hands Dirty

5. Construction of the 40cm Balsa Glider from the Pre-cut KIT

6. Flying the 40cm Balsa Glider

7. Design a Glider within given Constraints & Guidelines

8. Discuss the Designs

AIRCRAFT WING OUTCOMES.

1. To equip students with the required knowledge to conduct conceptual design of different types of aircraft.

2. To make the required decisions during the total design cycle of an aircraft including conceptual, preliminary and detail design.

3. To provide understanding of analysis and assessment of different types of aircraft.

4. To understand the hierarchical models in aircraft design as a multi-disciplinary design objective and utilize a system approach to design and operational performance.

5. To distinguish and understand the design phases of an aircraft.

6. To be able to calculate performance characteristics of aircraft.