

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 2018-19

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NARSAMPET, WARANGAL - 506332

Java Fundamental and Data Base Management Training

Course Content:

- What is Computer, Basic Applications of Computer; Concepts of Hardware and Software, Number System, Number System Conversion.
- Introduction to the C Language – Algorithm, Pseudo code, Flow chart, Background, C Programs, Java Fundamental with Programming ,Identifiers, Data Types,
- Variables, Constants, Input / Output, Operators (Arithmetic, relational, logical, bitwise etc
- Statements- Selection Statements (making decisions) – if and switch statements,
- Repetition statements (loops)-while, for, do-while statements, Loop examples, other statements related to looping – break, continue, go to, Simple Java Program examples.



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NARSAMPET, WARANGAL - 506332

Java Fundamental and Data Base Management Training

Course Outcomes:

1. Understand computer basics.
2. Understand C and Java programming basics .
3. Understand binary number system.
4. Use different data types in a computer program.
5. Design programs involving decision structures, loops, arrays and functions.





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NARSAMPET, WARANGAL - 506332

RECENT ADVANCES IN NEURAL NETWORK

<p>Eligibility: The program is open to all students in Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details: • Non IEEE/ISTE Students 100/-</p> <p>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 polyamangh2@gmail.com or rajah@jits.in Application form may be downloaded from the website (also available in this brochure).</p> <p>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: hodece@jits@gmail</p> <p>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.Ph, D.Fil courses under the field 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</p>	<p>Chief Patron: Sri Ch.Narsimha Reddy - President</p> <p>Patron: Sri Ch.Devender Reddy - Secretary Sri T.V.R.N.Reddy - Joint-Secretary</p> <p>Principal: Dr.M.Lokanadha Rao</p> <p>Director: Prof.P.Rangaiah,</p> <p>Head of Department: Mr. Md.Hameed Pasha Associate Professor, Electronics and Communication Engineering</p> <p>Convenor: Mrs.Zulekha Tabbassum Associate Professor, Electronics and Communication Engineering</p> <p>Coordinators: Mr. S.Gouthami Asst.Prof, Electronics and Communication Engineering Mrs. D.Supriya Asst.Prof, Electronics and Communication Engineering Mrs.D.Supriya Mrs.S.Kalyan Mrs.B.Saritha Asst.Prof, Electronics and Communication Engineering</p> <p>Cell no: 992262457.</p>	<p>ONE WEEK WORKSHOP ON "RECENT ADVANCES IN NEURAL NETWORKS" 19th to 24th November 2018</p>  <p>Organized by: DEPARTMENT OF Electronics and Communication Engineering & IEEE STUDENT CHAPTER</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.C.C AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA, Narsampet, Warangal - 506332. Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p>
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<p>and panoramic view. It has well developed laboratories in all disciplines, a Computer Centre with 1000 P-IV systems and with:</p> <ol style="list-style-type: none"> 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 8Mbps Internet WiFi 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. <p>About the Department of 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 accredited 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 senior faculties of the department are executing TEQIP-III project under JNTU Hyderabad and also applied for DST projects.</p> <p>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.</p>	<p>Schedule:</p> <ol style="list-style-type: none"> Last date of receipt of applications: November 18th 2018 Spot registrations allowed <p>The Applications in the prescribed form has to be reach coordinator either Email and/or by hand copy.</p> <p>Programme sponsored by AICTE and many workshops, seminars and guest lectures for the benefits of Students.</p> <p>About the Workshop: Neural networks represent a new generation of information processing paradigms designed to mimic in a very limited way the human brain. They can learn, recall, and generalize from training data, and with their potential applications limited only by the imaginations of scientists and engineers, they are commanding tremendous popularity and research interest. Over the last four decades, researchers have reported a number of neural network paradigms, however, the advent of these have not appeared in book form and laws.</p> <p>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:</p> <p>List of Resource Persons: 1. Dr. N. Bhoerna Rao Professor - Electronics & communication Engineering Department 2. Dr. C. B. Rama Rao Professor - Electronics & communication Engineering Department</p>	<p>ONE WEEK WORKSHOP ON "Recent advances in neural networks" 19th to 24th November 2018</p> <p>REGISTRATION FORM</p> <ol style="list-style-type: none"> Name of Participant: Department: Institution: Address for Correspondence: Mobile No: Email: Category (SC/ST/Others): <p>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.</p> <p>Date:</p> <p>Place:</p> <p>Signature of the applicant</p> <p>Signature of the Sponsoring Authorities</p>
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NARSAMPET, WARANGAL - 506332

RECENT ADVANCES IN NEURAL NETWORK

LIST OF CONTENTS:

1. Introduction to Neural Networks
2. Basic of recent advance neural networks
3. Feature application of Neural Networks
4. Recent Advances of Neaural Networks
5. A Neuro-Symbolic Hybrid Intelligent
6. Feature application of LeNet-5 architecture nueral network
7. Recent Advances in Neural Networks for Remote Sensing
8. LeNet-5 architecture
9. Feature application of neural networks
10. Computational and Theoretical Issues
11. Efficient Neural Network-Based Methodology for the Design of Multiple Classifiers
12. Application in a Large-Scale Handwritten Digit Recognition Problem
13. Design of Multiple Classifiers
14. Feature application A Neuro-Symbolic Hybrid Intelligent



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RECENT ADVANCES IN NEURAL NETWORK

COURSE OUTCOMES:

1. Understand the context of neural networks and deep learning
2. Know how to use a neural network
3. Understand the data needs of deep learning
4. Have a working knowledge of neural networks and deep learning
5. Explore the parameters for neural networks





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NARSAMPET, WARANGAL - 506332

ROBOTICS

<p>Eligibility: The program is open to the all students in Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details: Students 100/-</p> <p>How to Register: The participants may log on to the website www.jitai.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 eechod@jitai.in or masamohd@jntuh2007@gmail.com on or before 6th April 2019. Application format may be downloaded from the website (also available in this brochure)</p> <p>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.) Email: hod@eejits@gmail.com</p> <p>About JITS Narsampet: Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with 3 B.Tech. Courses namely ECE, CSE and IT with an intake of 90 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.EAL, D.D.E courses under the fold of the same society. The Institute is affiliated to JNTU, Hyderabad. Four B.Tech courses namely CSE, ECE, EEE and IT are accredited by NBA AICTE, New Delhi, for period of three years with effect from 16-02-2009, 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</p>	<p>Chief Patron: Sri Ch. Narasimha Reddy - President</p> <p>Patron: Sri Ch. Devender Reddy - Secretary</p> <p>Sri T.V.R.N. Reddy - Joint Secretary</p> <p>Principal Dr. M. Lokanadha Rao</p> <p>Director Prof. P. Bangalish, Head of Department</p> <p>Md. Hameed Pasha</p> <p>Conveners: Mr. Md. Hameed Pasha <i>Associate Professor & Head, Dept. of ECE</i></p> <p>Coordinator: Mrs. B. Saritha, Asst.Prof <i>Dept. of ECE</i> Mobile: -91-9392262457</p> <p>Mr. M. Usha Rani, Asst.Prof <i>Dept. of ECE</i> Mobile: +91-9573825948 E-Mail: eechod@jitai.in</p> <p>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 7th April, 2021. 2. Selected candidate will be informed by e-mail on 16th April, 2021. Programme sponsored by AICTE and many workshops, seminars and guest lectures for the benefit of Students.</p> <p>About the Workshop: Robotics is the art of making robots, machines that combine concepts from multiple engineering disciplines. Join us to learn Robotics by practically building your own robot.</p> <p>SIT Para brings to you a fantastic one-week workshop for the students of Robotics - Learn & Build, Grasp the fundamental concepts of Robotics via practical application.</p>	<p>A ONE WEEK ON WORKSHOP ON "ROBOTICS" 8th to 13th April 2019</p>  <p>Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering & IETE STUDENT CHAPTER</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.G.C AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA, Narsampet, Warangal - 506332. Tel (08718) 208586, Fax: (08718) 227566 Website: www.jitai.in</p>
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<p>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 ISM-L1 WiFys 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.</p> <p>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 accredited with NBA accreditation in the year 2009 and 2017 for 3 Years. The Department has spent in aids from various funding agencies for organizing FDPs, STTPs, MODROB Schemes over 3 Years. The senior faculties of the department are executing IISQP-II project under JNTU Hyderabad and also applied for DST projects.</p> <p>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.</p>	<p>Participants will be certified after the successful completion of workshop! So, get set, register for this wonderful opportunity!</p> <p>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:</p> <p>List of Resource Persons:</p> <ol style="list-style-type: none"> 1. Dr. N. Bheema Rao Professor - Electronics & communication Engineering Department, NIT, WGL 2. Dr. C. R. Rama Rao Professor - Electronics & communication Engineering Department, NIT, WGL 	<p>A ONE WEEK ON WORKSHOP ON "ROBOTICS" 8th to 13th April 2019</p> <p>REGISTRATION FORM</p> <ol style="list-style-type: none"> 1. Name of Participant..... 2. Department..... 3. Institution..... 4. Address for Correspondence..... 5. Mobile No..... 6. Email..... 7. Category (SC/ST/Other)..... <p>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.</p> <p>Date: _____ Place: _____</p> <p style="text-align: right;">Signature of the applicant</p> <p style="text-align: right;">Signature of the Sponsoring Authorities</p>
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NARSAMPET, WARANGAL - 506332

ROBOTICS

CONTENTS

1. Introduction to Robotics
2. Robotics an Educational Tool
3. Machine Learning in Robotics
4. Artificial Intelligence
5. Robotic and its Impact on Society
6. Mobility or locomotion
7. Manipulators & Effectors
8. Sensing & perception
9. Robotics involves design



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ROBOTICS

COUSRE OUTCOMES

1. Ability to apply robot fundamentals in designing various types of end effecters
2. Ability to design end effectors required for different applications
3. Ability to formulated D-H matrices for forward kinematics problems & Develop dynamic equations for robotic dynamic problem.
4. Ability to determine the robot trajectory to robotic motion & Basics of Robot Language.
5. Ability to select the sensors depending upon robotic application & its uses in various areas.



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MACHINE LEARNING FOR SIGNAL PROCESSING

<p>The program is open to all students of ECE Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details:</p> <ul style="list-style-type: none"> Students: 100/- Research Scholars: 200/- <p>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. Application format may be downloaded from the website (also available in this brochure). you can pay the fee through Google Pay/ Phone Pay: 9618336977 (verification details: Nethravathi Lulu)</p> <p>Address for Correspondence: The Convener, Head of the Department Dept. of ECE Jayamukhi Institute of Technological Sciences, Narsampet, (Dist: Warangal-506332, T.S.) E-mail: hameedjits@gmail.com Mobile: 9499377766, Mobile: 7569829692.</p>	<p>CHIEF PATRON: Sri Ch. Narasimha Reddy - President</p> <p>Patron: Sri Ch. Devender Reddy - Secretary Sri T.V.R.N. Reddy - Joint Secretary</p> <p>Principal: Dr. M. Lokanatha Rao</p> <p>Director: Prof. P. Rangaiah,</p> <p>Convener: Mr. Md. Hameed Pasha Associate Professor & Head, Electronics and Communication Engineering</p> <p>Coordinators: Ms. S. Sandhya Rani Asst. Prof. ECE Department Cell: 930073969, 9849829390 Mr. N. LaLu Asst. Prof. ECE Department Cell: 9618336977</p> <p>Schedule:</p> <ol style="list-style-type: none"> Last date of receipt of applications: 5th November, 2018 Spot registrations allowed <p>The Applicants in the prescribed form has to reach coordinator either Email and/ or by hard copy.</p>	<p>One week WORKSHOP ON "Machine Learning for Signal Processing" 6th-10th November 2018</p> <p>Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering</p> <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.G.C. AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA, Narsampet, Warangal - 506332. Tel (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p>
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<p>Jayamukhi Institute of Technological Sciences, Narsampet Sponsored by the Jayamukhi Educational Society, the Jayamukhi Institute of Technological Sciences came into being in 2001 to provide quality and contemporary education with social relevance in the engineering faculty with an ultimate vision to maintain global standards in higher learning and research. The Institute has the approval of AICTE and recognized by the Government of Telangana. It is permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, UGC Autonomous & accredited by NBA.</p> <p>The Institute has come upon 40 acres of green pastures in Narsampet, about 30km away from the historic city of Warangal and presents a picturesque and panoramic view. JITS offers a four-year B.Tech. Programme in the disciplines of CSE, ECE, EEE, CIVIL and ME.</p> <p>Department of ECE</p> <p>Department of Electronics and Communication Engineering has set vision "To be a premier department for education in Electronics and Communication Engineering in state of Telangana, moulding students into professional engineers". The department imparts state of the art education and encourages cutting edge research. It offers UG programs, PG programs in VLSI and ES. Well equipped Laboratories have been facilitated for the Students, research Scholars and the 50 Lakhs of funds generated from AICTE under various schemes like MUDROBS, FDPs, STTPs. Received TEQIP-III fund from JNTU Hyderabad.</p>	<p>Things (IoT) and Robotics sponsored by Texas Instruments USA.</p> <p>About the Workshop:</p> <p>Machine learning is a sub-field of artificial intelligence, which is broadly defined as the capability of a machine to imitate intelligent human behavior. Artificial intelligence systems are used to perform complex tasks in a way that is similar to how humans solve problems. Signal processing may be used to prepare data for machine learning algorithms (such as cleaning up the signal and extracting features for voice recognition), machine learning can be used to solve some complex signal processing problems (such as using machine learning for voice activity detection). Resource Persons</p> <p>Renowned academicians in this field are being invited to deliver lectures on specialized topics. Some of the eminent guest faculties in this field are:</p> <p>List The following list of Resource Persons:</p> <ol style="list-style-type: none"> 1. Prof. K. Kishan Rao, Professor, SNIST, Hyderabad 2. Dr. T. Kishore Kumar, Professor, ECE, NIT Warangal 3. Dr. P. Krishna, Professor of ECE, JITS 4. Dr. M. Krishna Sany, Professor, ECE, JITS 5. Prof. M. Sushanth Babu, Professor, ECE, JITS 6. Prof. A. Janardhan, Professor of ECE, JITS 	<p>"Machine Learning for Signal Processing" 6th-10th November 2018 REGISTRATION FORM</p> <ol style="list-style-type: none"> 1. Name of Participant: 2. Department: 3. Institution: 4. Address for Correspondence: 5. Mobile No: 6. Email: 7. Category (SC/ST/Other): <p>DECLARATION</p> <p>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.</p> <p>Date: _____ Place: _____ Signature of the applicant</p> <p>Signature of the Sponsoring Authority</p>
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MACHINE LEARNING FOR SIGNAL PROCESSING

CONTENTS:

1. Linear Algebra Refresher
2. Probability Theory Refresher
3. Digital Signal Processing Refresher
4. Machine Learning basics
 - a. Supervised and Unsupervised learning
 - b. Classification and Regression (linear models)
 - c. Evaluation metrics
5. Probability Models and Expectation Maximization Algorithm
 - a. Gaussian Mixture Models
6. Neural Networks and Deep Learning
 - a. Multi-class classification and Multi-label classification
 - b. Different kinds of non-linearity's, objective functions and learning methods
7. ML for Audio Classification
 - a. Time Series Analysis, LSTMs and CNNs
8. ML for Speech Recognition
 - a. Hidden Markov Models, Finite State Transducers and Dynamic Programming
9. ML for Music Information Retrieval
 - a. Latent Variable Models, Matrix Factorization and Signal Separation
10. ML for Image Processing
 - a. Transfer Learning, Attention models, Attribute-based learning
11. ML for Communication
 - a. Deep learning for wireless applications



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MACHINE LEARNING FOR SIGNAL PROCESSING

COURSE OUTCOMES

1. Remembering and understand the various machine learning methods.
2. Understand the Local models of machine learning concepts
3. Characterize the machine learning algorithms as supervised learning and unsupervised learning and Apply and analyze the various algorithms of supervised and unsupervised learning
4. Analyze the concept of neural networks for learning linear and non-linear activation functions
5. Learn the concepts in Bayesian analysis from probability models and methods





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MACHINE LEARNING

<p>Eligibility:</p> <p>The program is open to the all students of Electronics & Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details:</p> <ul style="list-style-type: none"> • Students 100/- • Research Scholars 200/- <p>How to Register:</p> <p>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. Application format may be downloaded from the website (also available in this Brochure) you can pay the fee through google+ phone pay: 9618836977</p> <p>Address for Correspondence: The Convener Head of the Department Dept. of ECE, Jayamukhi Institute of Technological Sciences, Narsampet, (Dist): Warangal- 506332. (T.S) E-mail: hameedjits@gmail.com Mobile: 9496577766, Mobile: 7559839992</p>	<p>Chief Patron:</p> <p>Sri Ch. Narsimha Reddy - President</p> <p>Patron:</p> <p>Sri Ch. Deventer Reddy - Secretary Sri T.V.R.N.Reddy - Joint Secretary</p> <p>Principal</p> <p>Dr. M. Lokanadha Rao</p> <p>Director</p> <p>Prof.P.Rangalah</p> <p>Convener:</p> <p>Mr.M.Hameed Pasha Asstt. Professor & Head, ECE Department</p> <p>Coordinator:</p> <p>Ms.S. Sandhya Rani Asstt. Prof./ECE Department Ce-I-9000673969, 98 09829393</p> <p>Schedule:</p> <p>1. Last date of receipt of applications: 11th May, 2019</p> <p>2. Spot registration is allowed</p> <p>The Applications in the prescribed form has to be reach coordinator either Email and/ or by hard copy.</p>	<p>One week WORKSHOP ON "Machine Learning"</p> <p>13th -17th May, 2019</p>  <p>Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (UGC AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA Narsampet, Warangal - 506332. Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p>
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<p>About JITS Narsampet</p> <p>Jayamukhi Institute of Technological Sciences, Narsampet Sponsored by the Jayamukhi Educational Society, the Jayamukhi Institute of Technological Sciences came into being in 2001 to provide quality and contemporary education with social relevance in the engineering faculty with an ultimate vision to maintain global standards in higher teaching and research. The Institute has the approval of AICTE and recognized by the Government of Telangana. It is permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, UGC Autonomous & accredited by NBA.</p> <p>The Institute has come upon 40 acres of green pastures in Narsampet, about 30km away from the historic city of Warangal and presents a picturesque and panoramic view. JITS offers a four-year B.Tech. programme in the disciplines of CSE, ECE, EEE, CIVIL, and ME.</p> <p>Department of ECE</p> <p>Department of Electronics and Communication Engineering has set vision "To be a premier department for education in Electronics and Communication Engineering in state of Telangana, moulding students into professional engineers". The department imparts state of the art education and encourages cutting edge research. It offers UG program, PG programs in VLSI and ES. Well equipped Laboratories have been facilitated for the Students, research Scholars and the 50 Lakhs of funds generated from AICTE under various schemes like MODROBS, FDPs, STTPs, received TEQIP-III fund from JNTU Hyderabad.</p>	<p>Established two laboratories namely Internet of Things(IoT) and Robotics sponsored by Texas Instruments USA.</p> <p>About the Workshop:</p> <p>Machine learning is a sub-field of artificial intelligence, which is broadly defined as the capability of a machine to imitate intelligent human behavior. Artificial intelligence systems are used to perform complex tasks in a way that is similar to how humans solve problems. Signal processing may be used to prepare data for machine learning algorithms (such as cleaning up the signal and extracting features for voice recognition), machine learning can be used to solve some complex signal processing problems (such as using machine learning for voice activity detection).Resource Persons</p> <p>Renowned academicians in this field are being invited to deliver lectures on specialized topics. Some of the eminent guest faculties in this field are:</p> <p>List The following list of resource Person:</p> <ol style="list-style-type: none"> 1. Prof.D.Krishna Rao, Professor, SNIST, Hyderabad 2. Dr.T.Nishore Kumar, Professor ECE, NIT Warangal. 3. Dr.P.Krishna, Professor, of ECE, JITS 4. Dr.L.Srinivasa Rao, Professor of ECE, JITS. 5. Prof.M.Srinivasa Daba, Professor of EC E, JITS 6. Prof.CA.Jayashankar, Professor of ECE, JITS 	<p>One week WORKSHOP ON "Machine Learning"</p> <p>13th -17th May, 2019</p> <p>REGISTRATION FORM</p> <ol style="list-style-type: none"> 1. Name of Participant: _____ 2. Roll No: _____ 3. Institution: _____ 4. Address for Correspondence: _____ 5. Mobile No: _____ 6. Email: _____ 7. Category: _____ <p>DECLARATION</p> <p>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.</p> <p>Date: _____</p> <p>Place: _____ Signatory of the applicant</p> <p>Signature of the Sponsoring Authorities</p>
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NARSAMPET, WARANGAL - 506332

MACHINE LEARNING

CONTENTS:

1. Linear Algebra Refresher
2. Probability Theory Refresher
3. Digital Signal Processing Refresher
4. Machine Learning basics
 - a. Supervised and Unsupervised learning
 - b. Classification and Regression (linear models)
 - c. Evaluation metrics
5. Probability Models and Expectation Maximization Algorithm
 - a. Gaussian Mixture Models
6. Neural Networks and Deep Learning
 - a. Multi-class classification and Multi-label classification
 - b. Different kinds of non-linearities, objective functions and learning methods
7. ML for Audio Classification
 - a. Time Series Analysis, LSTMs and CNNs
8. ML for Speech Recognition
 - a. Hidden Markov Models, Finite State Transducers and Dynamic Programming
9. ML for Music Information Retrieval
 - a. Latent Variable Models, Matrix Factorization and Signal Separation
10. ML for Image Processing
 - a. Transfer Learning, Attention models, Attribute-based learning
11. ML for Communication
 - a. Deep learning for wireless applications



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MACHINE LEARNING

COURSE OUTCOMES

1. Remembering and understand the various machine learning methods.
2. Understand the Local models of machine learning concepts
3. Characterize the machine learning algorithms as supervised learning and unsupervised learning and Apply and analyze the various algorithms of supervised and unsupervised learning
4. Analyze the concept of neural networks for learning linear and non-linear activation functions
5. Learn the concepts in Bayesian analysis from probability models and methods





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NARSAMPET, WARANGAL - 506332

EMBEDDED SYSTEM WITH POWER SYSTEM CONTROL

REGISTRATION FORM		Chief Patron:	
1. Name of Participant:		Sri Ch. Narintha Reddy - President	
2. Designation:		Patron:	
3. Qualification:		Sri Ch. Devender Reddy - Secretary	
5. Department:		Sri T.V.R.N. Reddy - Joint-Secretary	
6. Institution/Industry:		Principal:	
7. Address for Correspondence:		Dr.M. Lokanadha Rao	
8. Mobile No.		Director:	
9. Email:		Prof.V. Rangaiah.	
10. Category (ST/SC/OBC/BC/Gen)		Conveners:	
DECLARATION		Mr. D.Rajani Kumar	
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.		Associate Professor & Head, Dept. of EEE	
Date:	Signature of the applicant	Coordinator:	
Place:		Mr.S.Rajith Kumar, Asst.Prof	
Registration Fee:		Dept. of EEE	
• Students 100/-		Mobile: +91-9701396643	
Address for Correspondence:		Mr.E.Manoj, Asst.Prof	
The Convenor,		Dept. of EEE	
Mr. D. Rajani Kumar		Mobile: +91-825396823	
Department of Electrical and Electronics Engineering		E-Mail: eeehod@jits.in	
Jayamukhi Institute of Technological Sciences,		How to Register:	
Narsampet, (Dist): Warangal-506332. (T.S)		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 eeehod@jits.in on or before 6 th April 2019.	
E-Mail: eeehod@jits.in		Application forms may be downloaded from the website (also available in this Brochure)	
		<p>A One Week Workshop On "EMBEDDED SYSTEM WITH POWERSYSTEM CONTROL" 1st -6th October 2018</p>  <p>Organized by Department of Electrical and Electronics Engineering</p>  <p>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)</p>	

Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute is approved by AICTE and permanently affiliated to JNTU, Hyderabad. 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 Telangana state. At present the institute offers 5 B. Tech Courses in ECE, CSE, EEE, ME, CIVIL and M. Tech courses in CSE, SWE, VLSI, Embedded Systems, PSCA and CAD/CAM in addition to MBA, Pharmacy, B. Ed, D. Ed courses under the fold of the same society. B. Tech courses namely EEE& ECE are accredited by NBA, New Delhi. The institution is recognized under UGC 2(f) & 12(b) and also got an AUTONOMOUS state by the UGC among technical institutions of Telangana State in this part of the region.

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.

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.

- This webcast explores how Analog Device's Digital Power System Management ICs and I.T power Play tool simplify power system design challenges by providing high-level integration and increased system reliability.
- In summary, an embedded control system refers to the computer hardware and software which are physically embedded within a large industrial process or production system.

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. Yogesh Y. Pundalik
Professor - Electrical and Electronics Engineering Department, KITS/5, KMR
 2. Dr. KBVSR Subrahmanyam
Professor - Electrical and Electronics Engineering Department, SREC, WGL





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Contents:

1. Introduction to Embedded System and Power System Control
2. Shunt compensation
3. Micro Controllers
4. Microprocessor based system
5. Embedded System with Applications Devices
6. Electronic calculators
8. Outcomes



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Outcomes:

- Furthermore, embedded systems are rapidly becoming a catalyst for change in the computing, data communications, telecommunications, industrial control, and power system control and entertainment sectors.
- Automatic systems in any field will be useful and will save the people and organizations.
- New trends in embedded electronics will change how electronics are programmed and increase the impact of machine learning in technology.
- The future of embedded systems lies in the advancement of technologies that enable faster communications, heavy data storage capacities and highly interwoven connections among the devices.



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BASIC COMPUTER PROGRAMMING



JAYAMUKHI

INSTITUTE OF TECHNOLOGICAL SCIENCES
UGC - AUTONOMOUS

A STUDENT PROGRAM
ON

BASIC COMPUTER PROGRAMMING

CSE: 10TH SEPT TO 15TH SEPT, 2018

CONDUCTED BY :

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING



VENUE:

JAYAMUKHI
INSTITUTE OF TECHNOLOGICAL SCIENCES
(UGC AUTONOMOUS)



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NARSAMPET, WARANGAL - 506332

Basic Computer Programming

Course Content:

What is Computer, Basic Applications of Computer; Concepts of Hardware and Software, Number System, Number System Conversion.

Introduction to the C Language – Algorithm, Pseudo code, Flow chart, Background, C Programs, Identifiers, Data Types, Variables, Constants, Input / Output, Operators(Arithmetic, relational, logical, bitwise etc.), Expressions, Precedence and Associativity, Expression Evaluation, Type conversions.

Statements- Selection Statements(making decisions) – if and switch statements, Repetition statements (loops)-while, for, do-while statements, Loop examples, other statements related to looping – break, continue, go to, Simple C Program examples.

Functions- Introduction to Structured Programming, Functions- basics, user defined functions, inter function communication(call by value, call by reference), Standard functions. Storage classes-auto, register, static, extern, scope rules, arrays to functions, recursive functions, example C programs.

Arrays– Basic concepts, one-dimensional arrays, two – dimensional arrays, multidimensional arrays, C programming examples



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Course Outcomes:

1. Understand computer basics.
2. Understand programming basics.
3. Understand binary number system.
4. Use different data types in a computer program.
5. Design programs involving decision structures, loops, arrays and functions.
6. Identify the difference between call by value and call by reference



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MS EXCEL TRAINING



A STUDENT PROGRAM
ON

MS EXCEL TRAINING

CSE: 07TH JAN TO 12TH JAN, 2019

CONDUCTED BY :

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VENUE:

JAYAMIKHI
INSTITUTE OF TECHNOLOGICAL SCIENCES
(UGC AUTONOMOUS)



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MS Excel Training

Course Content:

1. **MODULE 1 - EXCEL BASICS (for Beginners)**
Getting Started with Excel, Data Entry, Data Editing, and Number Formatting
Data Formatting, Working with Cells and Ranges in Excel, Managing Worksheets
2. **Module 2 - EXCEL ESSENTIALS**
Introduction to Excel Tables , Auto-fill, Custom Lists, and Flash Fill , Number Formatting in Excel
3. **MODULE 3 - EXCEL FORMULAS**
Excel Formula Basics , Logical Formulas in Excel, Math Formulas in Excel
Lookup and Reference Formulas in Excel, Stats Formulas in Excel
Text Formulas in Excel , Date and Time Formulas in Excel
4. **MODULE 4 - DATA ANALYSIS**
Named Ranges in Excel , Data Validation in Excel ,Data Sorting and Filtering in Excel
Using Conditional Formatting in Excel
5. **MODULE 5 - INTRODUCTION TO EXCEL CHARTING**
Introduction to Excel Charting, Advanced Excel Charting Examples, Dynamic Charts in Excel.



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MS Excel Training

Course Outcomes:

1. Examine spreadsheet concepts and explore the Microsoft Office Excel environment.
2. Create, open and view a workbook.
3. Modify a worksheet and workbook.
4. Learn to use functions and formulas.
5. Create and edit charts and graphics.
6. Filter and sort table data.





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ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS

<p>Sponsoring & Forwarding</p> <p>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 ENGINEERS - 2018" Organized by Jayamukhi Institute of Technological Sciences, Narsampet, and Dist. Warangal from 20/08/2018 to 25/08/2018. In case the candidate is selected he/she shall be permitted to attend the course.</p> <p>Date: _____ Signature of the authorized person: _____</p> <p>Name: _____ Designation: (SEAI) _____</p> <p>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.</p> <p>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 30th October, 2018. 2. Selected candidate will be informed by e mail on 17th August 2018.</p> <p>Address for Correspondence: The Convener: ESSCE-2017 Department of Civil Engineering Jayamukhi Institute of Technological Sciences, Narsampet (Dist) Warangal-506332 (T.S) E-Mail: jitscivil@gmail.com Mobile: 949030014</p>	<p>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 E.Tech. Courses namely ECE, CSE and IT with an intake of 60 each in the year 2001. In a short span of 13 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 course in CSE, SWR, VLSI, PSCA and CAD/CAM in addition to MBA, M.Finance, B.B.A, D.Ed courses under the fold of the same society. The Institute affiliated to JNTU, Hyderabad. Four B.Tech courses namely CEE, 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 TS.</p> <p>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 ISNL 11.8 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 100 technical Research papers in reputed National and International Journals.</p> <p>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.</p>	<p>ONE WEEK WORKSHOP ON "ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS 20th to 25th August-2018</p>  <p>Convener Mr. Ganam Samdani Head, Dept. of Civil Engineering</p> <p>Coordinator Miss. Ch. Shalini Asst. Prof. CED</p> <p>Organized by</p>  <p>ESTD 2001</p> <p>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</p>
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<p>ABOUT THE COURSE: This course titled "E-TABS Complete Course" from Beginner to Pro teaches you E-TABS is a highly efficient analysis and design program developed especially for building systems. It is loaded with an integrated system with an ability to handle the largest and most complex building models and configurations.</p> <p>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 systems.</p> <p>COURSE CONTENTS:</p> <ul style="list-style-type: none"> Complete knowledge of E-TABS. The software has powerful CAD-like drawing tools with a graphical and object-based interface. It increases the productivity of structural engineers. The course will help the candidates to acquire in-depth details about the different procedures and simplified analysis aspects of the design models. Export the designed data to excel for further calculations. <p>Do preliminary design of structural members.</p> <p>Eligibility: The program is for the faculty of AICTE approved Engineering College teaching and doing research in Civil Engineering.</p> <p>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.</p>	<p>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:</p> <p>1. Er. Shrawan Kumar Project Manager, MS Tech IT Solutions</p> <p>Chief Patron: Sri Ch.Narasimha Reddy - President</p> <p>Patron: Sri Ch.Devender Reddy - Secretary Sri T.V.R.N.Reddy - Joint-Secretary</p> <p>Principal Dr. M.Lokanadha Rao</p> <p>Director Prof. P.Kangraiah</p> <p>Convener: Mr. Ganam Samdani - Head, CED</p> <p>Coordinator: Miss. Ch. Shalini - Asst. Prof</p> <p>Organizing Committee:</p> <ol style="list-style-type: none"> Ms. M SriKavya, Asst. Prof Mr. S Venkatesh, Asst. Prof Mr. Syed Eamrullah, Asst. Prof Mr. T.S. Shiva Kumar, Asst. Prof Ms. A. Sindhuja, Asst. Prof Mr. Y.M Parithi - Asst. Prof Ms. H.H. Heera, Asst. Prof Ms. H. Laxmi, Asst. Prof Mr. A. Srinivashankar, Asst. Prof Ms. G. Sowthi, Asst. Prof Mr. L.L. Naveen, Asst. Prof 	<p>ONE WEEK WORKSHOP ON "ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS 20th to 25th August-2018</p> <p>JAYAMUKHI Institute of Technological Sciences Narsampet, Warangal-506332 (T.S), INDIA. Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p> <ol style="list-style-type: none"> Full Name: _____ Designation: _____ Institute: _____ Qualification: _____ Date of Birth: _____ Address for Correspondence: _____ <p>Email: _____ Mobile: _____ Fee: 1000/- Mode of Payment: _____</p> <p>This is to certify that the information given by me is correct to the best of my knowledge.</p> <p>Date: _____ Signature: _____</p>
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ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS

CONTENTS

- ❖ Introduction to Recent Advances in software and Importance of SAP 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.



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ENHANCEMENT OF SAP SOFTWARE FOR CIVIL ENGINEERS

COURSE OUT COMES

- This workshop is students will get the hands-on with SAP 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 ENGINEERS

<p style="text-align: center;">Sponsoring & forwarding</p> <p>This is to certify that Prof./Dr./Sr./Asst. _____ works in the _____ Department of _____ in _____ is sponsored to attend ONE WEEK WORKSHOP ON "ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERS 2018" Organized by Jayamukhi Institute of Technological Sciences, Narsampet, and Dist. Warangal from 07/10/2018 to 12/10/2018. In case the candidate is selected he/she shall be permitted to attend the course.</p> <p>Date: _____ Signature of the authorized person: _____</p> <p>Name: _____ Designation: _____ (SEAL)</p> <p>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.</p> <p>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 04th October, 2018. 2. Selected candidate will be intimated by e-mail on 05th October, 2018.</p> <p>Address for Correspondence: The Convener, ESSCE-2018, Department of Civil Engineering, Jayamukhi Institute of Technological Sciences, Narsampet, (Dist): Warangal-506332, (T.S.) E-Mail: jicivc@jits.in Mobile: 9490600014</p>	<p>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 15 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, YLS, PSCA and CAD/CAM in addition to MBA, Pharmacy, B.Ed, D.Ed courses under the belt 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 rare feat in the history of technical institutions of T.S.</p> <p>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 PC/V systems and 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 11.8 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 100 technical Research papers in reputed National and International Journals.</p> <p>About CIVIL DEPARTMENT The Department of Civil Engineering was established in the year 2005. 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.</p>	<p style="text-align: center;">ONE WEEK WORKSHOP ON "ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERS 07th to 12th October-2018</p>  <p style="text-align: center;">Convener Mr. Gulam Samdani <i>Head, Dept of Civil Engineering</i></p> <p style="text-align: center;">Coordinator Miss. Ch. Shalini <i>Asst. Prof - CED</i></p> <p style="text-align: center;">Organized by</p>  <p style="text-align: center;">Estd. 2001</p> <p style="text-align: center;">DEPARTMENT OF CIVIL ENGINEERING JAYAMUKHI Institute of Technological Sciences Narsampet, Warangal-506332 (T.S), INDIA. Tel: (08716) 208586, Fax: (08716) 222569 Website: www.jits.in</p>
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<p>ABOUT THE COURSE: This course titled "E-TABS Complete Course" from beginner to Pro teaches you ETABS is a highly efficient analysis and design program developed especially for building systems. It is loaded with an integrated system with an ability to handle the largest and most complex building models and configurations.</p> <p>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.</p> <p>COURSE CONTENTS:</p> <ul style="list-style-type: none"> ◆ Complete knowledge of E-TABS. ◆ The software has powerful CAD-like drawing tools with a graphical and object-based interface. ◆ It increases the productivity of structural engineers. ◆ The course will help the candidates to acquire in-depth details about the different procedures and simplified analysis aspects of the design modes. ◆ Export the design data to excel for further calculations. <p>Do preliminary design of structural members.</p> <p>Eligibility: The program is for the faculty of AICTE approved Engineering Colleges (including and doing research in Civil Engineering).</p> <p>T.A. Boarding & Lodging Facilities: No TA, Boarding and Lodging Facilities will be provided to the out station participants in the college hostel. Local participants will be provided working lunch, tea and snacks along with other participants.</p>	<p>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:</p> <p>1. Er. Shrawan Kumar Project Manager, MS Tech IT Solutions</p> <p>Chief Patron: Sri Ch. Narsimha Reddy - President</p> <p>Patron: Sri Ch. Devender Reddy - Secretary Sri T.V.R.N. Reddy - Joint-Secretary</p> <p>Principal: Dr. M.L. Lakshadha Rao</p> <p>Director: Prof. P. Rangiah,</p> <p>Convener: Mr. Gulam Samdani - Head, CED</p> <p>Coordinator: Miss. Ch. Shalini - Ass. Prof</p> <p>Organizing Committee:</p> <ol style="list-style-type: none"> 1. Mr. M. Sri Kavya, Asst. Prof 2. Mr. S. Venkatesh, Asst. Prof 3. Mr. S. Venkatesh, Asst. Prof 4. Mr. S. Venkatesh, Asst. Prof 5. Mr. S. Venkatesh, Asst. Prof 6. Mr. A. Srinivas, Asst. Prof 7. Mr. Y.M. Purush - Asst. Prof 8. Mr. B.L. Joshi, Asst. Prof 9. Mr. R. I. Anam, Asst. Prof 10. Mr. A. Shiv Shankar, Asst. Prof 11. Mr. L. Naveen, Asst. Prof 	<p style="text-align: center;">ONE WEEK WORKSHOP ON "ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERS 07th to 12th October-2018</p> <p style="text-align: center;">JAYAMUKHI Institute of Technological Sciences Narsampet, Warangal-506332 (T.S), INDIA. Tel: (08716) 208586, Fax: (08716) 222569 Website: www.jits.in</p> <ol style="list-style-type: none"> 1. Full Name: _____ 2. Designation: _____ 3. Institute: _____ 4. Qualification: _____ 5. Date of Birth: _____ 6. Address for Correspondence: _____ <p>Email: _____</p> <p>Mobile: _____</p> <p>Fee: 1000/-</p> <p>Mode of Payment: _____</p> <p>This is to certify that the information given by me is correct to the best of my knowledge.</p> <p>Date: _____ Signature: _____</p>
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NARSAMPET, WARANGAL - 506332

ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERS

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.



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ENHANCEMENT OF E-TABS SOFTWARE FOR CIVIL ENGINEERS

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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NARSAMPET, WARANGAL - 506332

OPEN SOURCE SOLUTIONS FOR THE IOT

<p>Eligibility: The program is open to the all students of Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details: • Non IEEE /ISTE Students 200/-</p> <p>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 jayamukhi2@gmail.com or ecch00@jits.in in Application format may be downloaded from the website(also available in this brochure).</p> <p>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.) Email: hmedejits@gmail.com</p> <p>About JITS Narsampet: Jayamukhi Institute of Technological Sciences, Narsampet is governed 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 to 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, FPGA and CAD/CAM in addition to MBA, Pharmacy, B.E.D, 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 10-02-2019, 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 46 acres of green</p>	<p>Chief Patron: Sri Ch.Narasimha Reddy - President</p> <p>Patron: Sri Ch.Devender Reddy - Secretary Sri T.V.R.N.Reddy - Joint-Secretary</p> <p>Principal: Dr.M.Lakshma Rao</p> <p>Director: Prof.P.Rangaiah,</p> <p>Head of Department: Mr. Md.Hameed Pasha Associate Professor Electronics and Communication Engineering</p> <p>Convener: Mr.Hameed Pasha Associate Professor Electronics and Communication Engineering</p> <p>Coordinators: Mr. S.Kalyan Asst.Prof. Electronics & Communication Engineering Faculty Advisor Cell: 9989418318. Mrs.R.Saritha Asst.Prof. Electronics & Communication Engineering Cell: 9392262437.</p> <p>Schedule: 1. Last date of receipt of applications: 22nd November, 2018 2. Seat registrations allowed</p>	<p>ONE WEEK WORKSHOP ON "Open Source Solutions for the IOT" 23rd to 28th November 2018</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>Workshop on Open Source Solutions for the Internet of Things</p> </div> <p>Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering & IEEE STUDENT CHAPTER</p> <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (UGC AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA Narsampet, Warangal - 506332 Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p>
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<p>portures in Narsampet, about 26km 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 web.</p> <p>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 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.</p> <p>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 its 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, MODROB Schemes over 3 Years. The senior faculties of the department are executing TEQIP-III project under JNTU Hyderabad and also applied for DST projects.</p> <p>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.</p>	<p>The Applications in the prescribed form has to be reach coordinator either Email and/ or by hard copy.</p> <p>Programs sponsored by AICTE and many workshops, seminars and guest lectures for the benefits of Students.</p> <p>About the Workshop: Internet of Things (IoT) and smart connected devices have radically changed the way our world works and how companies operate and create new businesses. Do you want to learn about IoT fundamentals? This is a course for you! In this course we provide an overview of the underlying IoT technologies and its business applications. This course is an introduction to IoT and explains why it is a continuously evolving concept with many industrial applications. You will learn the fundamental building blocks of IoT and the fast-changing trends to combine them suitably for a precise industrial application. Join us to learn about the latest IoT concepts and business success stories.</p> <p>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:</p> <p>List of Resource Persons: Dr. P.Chitrajeevi Assistant Professor-Electronics and Communication Engineering.</p>	<p>ONE WEEK WORKSHOP ON "Open Source Solutions for the IOT" 23rd to 28th November 2018</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p>REGISTRATION FORM</p> </div> <p>1. Name of Participant: _____</p> <p>2. Department: _____</p> <p>3. Institution: _____</p> <p>4. Address for Correspondence: _____</p> <p>5. Mobile No: _____</p> <p>6. Email: _____</p> <p>7. Category (SC/ST/Others): _____</p> <p>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.</p> <p>Date: _____</p> <p>Place: _____</p> <p style="text-align: center;">Signature of the applicant</p> <p style="text-align: center;">Signature of the Sponsoring Authorities</p>
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NARSAMPET, WARANGAL - 506332

OPEN SOURCE SOLUTIONS FOR THE IOT

LIST OF CONTENTS

1. Introduction to Internet of Things (IoT)
2. IoT Architecture
3. How to build an IoT product
4. Application of IoT technology , IoT Standards
5. Different requirements for implementation
6. Sensors & Interfacing
7. Software & Hardware platforms for IoT implementation
8. Major components in IoT implementation
9. Introduction to Arduino Hardware & IDE
10. Introduction to Cloud
11. Uploading sensor data to Cloud using API's
12. Hardware, sensors, Embedded Systems
13. Data Visualization, Data Analytics, Plugins, Import & Export,
14. Home automation using Voice Commands & Bluetooth
15. Practicals Hands and Session



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OPEN SOURCE SOLUTIONS FOR THE IOT

COURSE OUTCOMES

1. It is developed for data-intensive and real-time applications
2. Protocol agents like HTTP REST or MQTT to connect your IoT devices, gateways, or data services or build a missing vendor-specific API
3. developing a machine to machines (M2M) applications such as remote control
4. Create cloud services for smart products
5. Easy interface and necessary programming to control sensors, actuators, and controllers





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NARSAMPET, WARANGAL - 506332

BRAIN WAVE ROBOTICS

<p>Eligibility: The program is open to all students members of Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details: IEEE/ISTE Students Free Non IEEE/ISTE Students Free</p> <p>How to Register: The participants may log on to the website: www.jitx.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 tabbastmle786@gmail.com or eechod@jitx.in. Application format may be downloaded from the website (also available in this brochure).</p> <p>Address for Correspondence: Head of the Department Mr. Hameed Pasha Dept. of Electronics and Communication Engineering Jayamukhi Institute of Technological Sciences, Narsampet, (Dist.) Warangal-506332, (T.S.) Email: hodecepts@gmail.com</p> <p>About JITS Narsampet: Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with 3 B.Tech. Courses namely ECE, CSE, and IT with an intake of 60 seats in the year 2001. In a short span of 15 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, EEL, ME, CIVIL and M.Tech courses in CSE, SWP, VLSI, PSCA and CAD/CAM in addition to MBA, Pharmacy, B.FA, D.Fd 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 19-02-2019, which is a record in the history of technical institutions of U.S. Again three departments EEE, CSE, ECE was accredited by NDA for a period of three years. The Institute is spread over an area of 40 acres of green pastures in Narsampet, about 10km away</p>	<p>Chief Patron: Sri Ch. Narsimha Reddy - President</p> <p>Patron: Sri Ch. Devender Reddy - Secretary Sri T.V.R.N. Reddy - Joint Secretary (Principal) Dr. M. Lakanatha Rao Director Prof. P. Kangaiah.</p> <p>Convener: Mr. Md. Hameed Pasha Associate Professor & Head, Dept. of ECE</p> <p>Coordinators: Ms. Zulekha Tabassum, Assoc.Prof Dept. of ECE Mobile: +91-994976900 Ms. K.Sujatha, Asst.Prof Dept. of ECE Mobile: +91-9440715487 E-Mail: yychod@jitx.in</p> <p>Schedule: Last date of receipt of applications: 17th September, 2017</p> <p>Spot registrations allowed The Applications in the prescribed form has to be reach coordinators either Email and/or by hard copy. Programme sponsored by AICTE and many workshops, seminars and guest lectures for the benefits of Students.</p> <p>About the Workshop: The mechanism is initiated to implant since 30 years and with growing conceptualization in it. Various fundamentals are coming up. Brain consists of various parts and the three main segments are cerebrum, cerebellum and brain stem. Each thought generated in the brain has some energy associated with it. This energy is in the form of an electrical signal which can be detected. This signal generated is defined as electroencephalogram signal in terms of neurology. This electrical signal has some voltage associated with it and it can be detected using electrodes placed across the brain.</p>	<p>HANDS-ON WORKSHOP ON "BRAINWAVE ROBOTICS" 17th - 22nd December, 2018</p>  <p>(Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering & IETE STUDENT CHAPTER</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.G.C AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA Narsampet, Warangal - 506332. Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jitx.in</p>
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<p>Eligibility: The program is open to all students members of Electronics and Communication Engineering courses at undergraduate and post graduate level are welcome.</p> <p>Registration Details: IEEE/ISTE Students Free Non IEEE/ISTE Students Free</p> <p>How to Register: The participants may log on to the website: www.jitx.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 tabbastmle786@gmail.com or eechod@jitx.in. Application format may be downloaded from the website (also available in this brochure).</p> <p>Address for Correspondence: Head of the Department Mr. Hameed Pasha Dept. of Electronics and Communication Engineering Jayamukhi Institute of Technological Sciences, Narsampet, (Dist.) Warangal-506332, (T.S.) Email: hodecepts@gmail.com</p> <p>About JITS Narsampet: Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with 3 B.Tech. Courses namely ECE, CSE, and IT with an intake of 60 seats in the year 2001. In a short span of 15 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, EEL, ME, CIVIL and M.Tech courses in CSE, SWP, VLSI, PSCA and CAD/CAM in addition to MBA, Pharmacy, B.FA, D.Fd 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 19-02-2019, which is a record in the history of technical institutions of U.S. Again three departments EEE, CSE, ECE was accredited by NDA for a period of three years. The Institute is spread over an area of 40 acres of green pastures in Narsampet, about 10km away</p>	<p>Chief Patron: Sri Ch. Narsimha Reddy - President</p> <p>Patron: Sri Ch. Devender Reddy - Secretary Sri T.V.R.N. Reddy - Joint Secretary (Principal) Dr. M. Lakanatha Rao Director Prof. P. Kangaiah.</p> <p>Convener: Mr. Md. Hameed Pasha Associate Professor & Head, Dept. of ECE</p> <p>Coordinators: Ms. Zulekha Tabassum, Assoc.Prof Dept. of ECE Mobile: +91-994976900 Ms. K.Sujatha, Asst.Prof Dept. of ECE Mobile: +91-9440715487 E-Mail: yychod@jitx.in</p> <p>Schedule: Last date of receipt of applications: 17th September, 2017</p> <p>Spot registrations allowed The Applications in the prescribed form has to be reach coordinators either Email and/or by hard copy. Programme sponsored by AICTE and many workshops, seminars and guest lectures for the benefits of Students.</p> <p>About the Workshop: The mechanism is initiated to implant since 30 years and with growing conceptualization in it. Various fundamentals are coming up. Brain consists of various parts and the three main segments are cerebrum, cerebellum and brain stem. Each thought generated in the brain has some energy associated with it. This energy is in the form of an electrical signal which can be detected. This signal generated is defined as electroencephalogram signal in terms of neurology. This electrical signal has some voltage associated with it and it can be detected using electrodes placed across the brain.</p>	<p>HANDS-ON WORKSHOP ON "BRAINWAVE ROBOTICS" 17th - 22nd December, 2018</p>  <p>(Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering & IETE STUDENT CHAPTER</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.G.C AUTONOMOUS) Permanently Affiliated to JNTUH, Accredited by NBA Narsampet, Warangal - 506332. Tel: (08718) 208586, Fax: (08718) 222569 Website: www.jitx.in</p>
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BRAIN WAVE ROBOTICS

CONTENTS:

1. Introduction to Embedded Systems
2. Application of Embedded Systems in Robotics
3. Introduction to Robotics,,
4. Operator Interface,
5. Introduction to Arduino,
6. Artificial Intelligence
7. Introdcution to IoT,
- 8. Robotics Applications**
9. Machine Learning in Robotics,
10. Programming



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BRAIN WAVE ROBOTICS

COUSRE OUTCOMES

1. Able to apply robot fundamentals in designing various types of end effecters
2. Able to design end effectors required for Artificial Intelligence applications
3. Able to determine the robot trajectory to robotic motion by applying Robotic basics
4. Able to select Sensors for applications of Artificial Intelligence
5. Able to work on Real Time Hardware modules based on Industrial applications



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CFD AND ITS APPLICATIONS

COURSE CONTENTS:

1. Introduction to CFD using MATLAB and OpenFOAM
2. Advanced CFD for IC Engine Applications using CONVERGE
3. Introduction to GUI based CFD using ANSYS Fluent
4. Introduction to Aero-Thermal simulation using ANSYS Fluent
5. Advanced Aerodynamic Simulations using CONVERGE



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CFD AND ITS APPLICATIONS

COURSE OUTCOMES:

1. Ability to write simple solvers and turbulence models in MATLAB and OpenFOAM framework
2. Ability to become an advanced user of ANSYS Fluent and pre/post-processing utilities
3. Ability to perform advanced meshing in ANSA
4. Ability to simulate and solve advanced CFD problems in different fields using CONVERGE
5. Understanding and improving engine calibration, performance and emission using GT-Power & GT-Suite



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RECENT TRENDS IN FEA(FINITE ELEMENT ANALYSIS)

COURSE CONTENTS:

- 1.Introduction, comparison of FEM with other methods, Galerkin Methods. Rayleigh- Ritz method, shape functions and characteristics,
- 2.Two-dimensional problems using CST: FE modelling, isoparametric representation, PE approach, element stiffness, force terms, stress
- 3.Isoparametric formulation: 4-noded quadrilateral and its shape functions,element stiffness matrix,
- 4.Beams and frames: finite element formulation, load vector, boundary considerations, shear force and bending moment, and plane frames
- 5.Dynamic analysis and nonlinear FEA: formulation-solid body with distributed mass, element mass matrices, evaluation of Eigen values and Eigen vectors for a stepped bar and a beam, introduction to non-linear problems, geometric nonlinearity, material non linearity non-linear dynamic problems, analytical problems



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RECENT TRENDS IN FEA(FINITE ELEMENT ANALYSIS)

COURSE OUTCOMES: At the end of the course, a student will be able to

CO1: apply direct stiffness, Rayleigh-Ritz, Galerkin method to solve engineering problems and outline the requirements for convergence.

CO2: analyze linear 1D problems like bars and trusses; 2D structural problems using CST element and analyse the axi-symmetric problems with triangular elements.

CO3: write shape functions for 4 and 8 node quadrilateral, 6 node triangle elements and apply numerical integration to solve; 1D and 2D; stiffness integrations.

CO4: solve linear 2D structural beams and frames problems; 1D heat conduction and convection heat transfer problems.

CO5: evaluate the Eigenvalues and Eigenvectors for stepped bar and beam, explain nonlinear geometric and material non linearity.




JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

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NARSAMPET, WARANGAL - 506332

INDUSTRIAL APPLICATIONS USING IOT

<p>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.</p> <p>Registration Details: IEEE (ISTE) Students Free Non IEEE (ISTE Students 100)</p> <p>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 ghansyam2@gmail.com or ecetodoo@its.in. Application format may be downloaded from the website (also available in this brochure). For registration you can pay the fee through Google Pay Phone Pe, to this no. 9490377766.</p> <p>Address for Correspondence: Head of the Department Md. Hameed Pasha Dept. of Electronic and Communication Engineering Jayamukhi Institute of Technological Sciences, Narsampet, (Dist), Warangal-506332, (T.S) Email: hdce@jits@gmail</p> <p>About JIITS Narsampet: Jayamukhi Institute of Technological Sciences, Narsampet is sponsored by Jayamukhi Educational Society, Warangal. The Institute started in a humble way with 3 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, ISE, CIVIL and M.Tech courses in CSE, SWL, VLSI, PSGA 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 these departments EEE, CSE, ECE was accredited by NBA for a period of</p>	<p>Chief Patron: Sri Ch. Narsimha Reddy - President Patron: Sri Ch. Venkatar Reddy - Secretary Sri T.V.R.N. Reddy - Joint-Secretary Principal Dr. M. Lokanadha Rao Director Prof. P. Ranglish Head of Department Md. Hameed Pasha Convener: Dr. Ghansyam Singh Professor, Electronics and Communication Engineering</p> <p>ISTE Circuit & System Faculty Advisor Dr. S.K. Mastan Associate professor ECE Dept. Call no.9949676900, 9281815605</p> <p>Coordinators: Ms. Zulekha Tabassum Asst. Prof., Electronics and Communication Engineering IT/IT-ISTE Faculty Advisor Mr. M.Sridhar, Asst. Prof., ECE Dept. M. Sahasrab, Asst. Prof. ECE Dept. Mr. Kalyani, Asst. Prof. ECE Dept. Mr. Rakesh, Asst. Prof. ECE Dept. Mr. Lata, Asst. Prof. ECE Dept.</p> <p>Schedule: Last date of receipt of applications: November 19th, 2020</p> <p>Spot registrations allowed The Applications in the prescribed form has to be reach coordinator either Email and/or by hard copy. Programs sponsored by AICTE and many workshops, seminars and guest lectures for the benefits of Students and Faculty Members</p> <p>About the Workshop: The Industrial Internet of Things in other industries Maintenance and services, enabled by the IOT. IoT solutions providers can not only grow new markets with low cost Bluetooth IoT systems, but remain competitive with IoT value added services.</p>	<p>HANDS-ON WORKSHOP ON "INDUSTRIAL APPLICATIONS USING IOT" 3rd - 5th December 2018</p> <p>Organized by:</p> <p>DEPARTMENT OF Electronics and Communication Engineering & IITE STUDENT CHAPTER</p>  <p>JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES (U.G.C. AUTONOMOUS) Permanently Affiliated to JNTU/IT, Accredited by NBA, Narsampet, Warangal - 506332 Tel (08718) 208586, Fax: (08718) 222569 Website: www.jits.in</p>
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<p>three years. The institute is spread over an area of 40 acres of green patches in Narsampet, about 30kms 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 11.1 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.</p> <p>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, MCD/DCBs Schemes over 3 Years. The senior faculties of the department are executing TEQIP-III project under JNTU Hyderabad and also applied for DST projects.</p> <p>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.</p>	<p>Long-Range Bluetooth IoT edge processing provides the following advantages:</p> <ul style="list-style-type: none"> > On premise processing for sensitive IoT data involving new solutions for security focused industries such as healthcare and defense. > Reduces latency for high speed-sensitive monitoring alerts using "hot data" in IoT industries requiring 100% uptime > Delivers "smart networking" capabilities between monitored devices for setting up "parent-child" conditions > "Take over" capabilities at the machine level for real-time responses to alert and fault conditions. <p>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:</p> <p>List of Resource Persons: Day 1 Speaker - Dr. Ghansyam Singh Day 2 Speaker - Mr. S.K Mastan Day 3 Speaker - Md Hameed Pasha Day 4 Speaker - Dr.M.Krishna Sany Day 5 Speaker - Dr. Nidhi Gupta</p> <p>Course Contents: Day 1. Introduced to the concept of the Industrial Internet of Things, or IIoT, learn how it is applied in manufacturing ; Day 2. How it is applied in manufacturing, and what businesses Day3. Consider as they decide to implement this technology. Day4. Implement this technology. Considerations include information technology infrastructure, the business Day 5. Learners will hear from industry experts as they share their perspectives. Day 6. Opportunities and challenges of implementing IIoT.</p>	<p>HANDS-ON WORKSHOP ON "INDUSTRIAL APPLICATIONS USING IOT" 3rd - 5th December 2018</p> <p>REGISTRATION FORM</p> <p>1. Name of Participant:</p> <p>2. Department:</p> <p>3. Institution:</p> <p>4. Address for Correspondence:</p> <p>7. Mobile No:</p> <p>8. Email:</p> <p>9. Category (ST/SC/Others):</p> <p>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.</p> <p>Date:</p> <p>Place:</p> <p>Signature of the applicant</p> <p>Signature of the Sponsoring Authorities</p>
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INDUSTRIAL APPLICATIONS USING IOT

CONTENTS:

1. Introduction to Internet of Things (IoT)
2. IoT Architecture
3. How to build an IoT product
4. Application of IoT technology , IoT Standards
5. Different requirements for implementation
6. Sensors & Interfacing
7. Software & Hardware platforms for IoT implementation
8. Major components in IoT implementation
9. Introduction to Arduino Hardware & IDE
10. Introduction to Cloud
11. Uploading sensor data to Cloud using API's
12. Hardware, sensors, Embedded Systems
13. Data Visualization, Data Analytics, Plugins, Import & Export,
14. Introduction to ESP8266 and NODE MCU firmware
15. Introduction to ESP8266 and NODE MCU firmware
16. Home automation using Voice Commands & Bluetooth
17. Practicals Hands and Session



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INDUSTRIAL APPLICATIONS USING IOT

COURSE OUTCOMES:

Interpret the impact and challenges posed by IoT networks leading to new architectural models. Compare and contrast the deployment of smart objects and the technologies to connect them to network.

Appraise the role of IoT protocols for efficient network communication.

Elaborate the need for Data Analytics and Security in IoT.

Illustrate different sensor technologies for sensing real world entities and identify the applications of IoT in Industry.