



JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

UGC - AUTONOMOUS

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

NARSAMPET, WARANGAL - 506332

Name of the Programme

1. Recent Advances and
Future Applications of
Neural Networks

Registration Fee :

Free online STTP Sponsored by AICTE

Register Now:



Or <https://bit.ly/2TZQW0t>

Important Dates:

Last date for Registration : 11th Dec 2020

Notification of Selection : 12th Dec 2020

After registration, selected participants will get online session details through registered emails.

Certificates will only be issued to those participants who have attended regularly and qualify in the online exam with minimum 60% marks.

Benefits to Participants:

This STTP on Recent Advances and Future Applications of Neural Networks is a new technological development in the field of Engineering. Your association will benefit with an outstanding exposure to the technology incorporated in advances in Neural Networks.

Level of Participants

Faculty working in AICTE approved institutes having a zeal to rigorous research in the field of Neural Networks, industry and academia persons are eligible.

Chief Patron :

Dr.Ch.Devender Reddy,
Secretary and Correspondant

Patron :

Sri.T.V.R.N.Reddy, Joint Secretary
Dr.M.Lokanadha Rao, Principal
Prof.P.Rangaiah, Director.

Coordinator :

Dr.Krishna Patteti, Professor of ECE

Organizing Committee:

Dr.Sriram Sandhya Rani
Dr.Ghanshyam Singh
Dr.M.Krishna Samy
Zulekha Tabassum^{M.Tech}
Mr. Sk Masthan^{M.Tech, (Ph.D)}
Mr. V. Madhu kumar^{M.Tech, (Ph.D)}
Mr. S. Sunil^{M.Tech, (Ph.D)}
Mr. M. Manoj kumar^{M.Tech, (Ph.D)}
Mr. D. Prasad^{M.Tech, (Ph.D)}

Convener:

Hameed Pasha Mohammad
Associate Professor and Head
Department of
Electronics and Communication Engineering
ecehod@jits.in
hameedjits@gmail.com
+91-94903 77766



JAYAMUKHI
INSTITUTE OF TECHNOLOGICAL SCIENCES



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Recognized under 2(f) and 12(B)
Narsampet, Warangal rural - 506 332

AICTE Sponsored

Short Term Training Program(STTP)
(Online Mode)
Phase - I

Ref.No.34-66/460/FDC/STTP/policy-1/2019-20

**Recent Advances and Future Applications
of
Neural Networks**

(14th to 19th December 2020)



Organized by
**Department of
Electronics and Communication Engineering**
(Accredited by NBA)

About Jayamukhi



Jayamukhi Institute of Technological Sciences Sponsored by the Jayamukhi Educational Society, and 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 an Autonomous Institute permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad.

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, CSE-AL&ML EEE, CIVIL and ME.M.Tech Programme in Computer Science and Engineering, Embedded Systems, VLSI, Power Systems & Control Automation and CAD/CAM.

Department of ECE

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. The B.Tech Program of ECE is Accredited by NBA. 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. Established two laboratories namely Internet of Things (IoT) and Robotics sponsored by Texas Instruments USA.

Resource Persons:

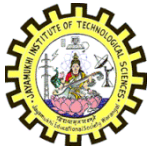
1. Dr. Maitree, Professor, NITTTR Chandigarh
2. Dr. Anitha Sheela Kancharla, Professor and Head Dept. of ECE JNTUCE Hyderabad
3. Dr. Meenakshi Sood, Associate Professor, NITTTR Chandigarh
4. Dr. Pooja Jain, Head CSE, IIIT Nagpur
5. Dr. Tapan Jain, Assistant Professor, IIIT Nagpur.
6. Dr. Meenakshi S Arya, Professor, SRM University, Chennai.
7. Dr. P. Krishna, Assistant Professor, AICTE-New Delhi
8. Dr. Ghanshyam Singh, Professor, JITS.
9. Dr. S. Sunil Kumar, Assistant Professor, VITS
10. Dr. S. Sandhya Rani, Associate Professor, JITS.
11. Dr. M. Krishna Samy, Associate Professor, JITS.
12. Sri. A. Madhu sudhan, Senior Application Engineer.

ABOUT STTP

In recently artificial neural networks (ANN) have become more popular and useful model for classifications, clustering, pattern recognition and prediction in many areas in the field of engineering and technology. Machine learning (ML) is one of ANN model, more popular and relatively competitive to conventional regression and statistical models. Presently, artificial intelligence (machine learning, neural network, deep learning, robotic) information security, big data, cloud computing, internet, and forensic science are all hotspots and exciting topics of information and communication technology (ICT). ANNs fully applications can be evaluated with respect to data analysis factors such as accuracy, processing speed, latency, performance, fault tolerance, volume, scalability and convergence. The great potential of ANNs is the high-speed processing provided in a massive parallel implementation and this has heightened the need for research in this domain.

Major Course Contents:

1. Introduction to Neural Networks, and Recent Advances of Neural Networks
2. Architectures and Classification of NN, Learning Rules, Laws and Their Mechanism
3. Back Propagation Neural Networks
4. Machine Learning Algorithm, types of ML
5. Supervised Machine Learning-Decision tree, Naïve Bayes classifier, K nearest neighbor
6. Unsupervised learning: Self organized Maps, Kohonen Networks
7. Convolutional Neural Networks
8. CNN Architectures AlexNet, for image Classification
9. Deep Neural Network Learning
10. Applications of Neural Networks in Image Processing



JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES
(An Autonomous Institution)



AICTE Sponsored
Short Term Training Programme(STTP) Online Mode Phase-I
RECENT ADVANCES AND FUTURE APPLICATIONS OF NEURAL NETWORKS

Organized by
Department of Electronics and Communication Engineering.

Accredited by NBA
14th to 19th December 2020

AGENDA
14.12.2020 at 10:00AM

| S.No | Time | Item | Speaker |
|-------------|-------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1. | 9:45AM | online link to Participants for joining the STTP | Dr.S.Sandhya Rani |
| 2. | 10:00AM | Welcome address by, Joint Secretary- Jayamukhi Education Society | Sri.T.V.R.N.Reddy |
| 3. | 10:05AM | Report on AICTE sponsored STTP on RECENT ADVANCES AND FUTURE APPLICATIONS OF NEURAL NETWORKS | Dr.Krishna Patteti Coordinator, STTP |
| 4. | 10:10AM | Address by Head of the Department | Hameed Pasha Mohd |
| 5. | 10:15AM | Address by Director | Prof.P.Rangaiah |
| 6. | 10:25 AM | Address about STTP | Prof.K.Kishan Rao |
| 7. | 10:35A.M | Introduce the Chief Guest | Zulekha Tabassum |
| 8. | 10:40AM | Inaugural Address about STTP by Chief Guest : | Dr.Meenakshi Sood Professor of ECE, NITTTR Chandigadh |
| 9. | 10:50AM | Presidential remarks by Principal | Dr.M.Lokanadha Rao Principal, JITS |
| 10. | 11:00AM | Vote of Thanks | Dr.S.Sandhya Rani |

Online Mode : Google Meet

Link for the meeting :

Dear all,

Warm Greetings from JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES,
an Autonomous & Accredited Institute, Affiliated to JNTUH and Approved by AICTE.
An AICTE Sponsored Short Term Training Program Phase-I in online mode On
"Recent Advances and Future Applications of Neural Networks"
14th to 19th December 2020
is organized by
Department of Electronics and Communication Engineering, Accredited by NBA.

- ❖ Registration Link: <https://bit.ly/37xK68X>
- ❖ Registration Fee: Free
- ❖ E-Certificate will be provided to all registered participants with 90% of attendance and secure 60% marks in the online exam.
- ❖ Online Mode platform: Google Meet App
- ❖ Online link will be provided to all the selected participants one day in advance.

Last date for Registration: 11-12-2020

Notification of Selection: 12-12-2020

For further details contact:

Hameed Pasha Mohammad

Convener AICTE Sponsored STTP Program.

Associate Professor and Head

Department of Electronics and Communication Engineering

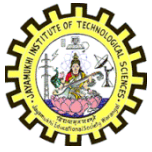
Jayamukhi Institute of Technological Sciences, Narsampet, Warangal Rural, Telangana.

+91-9490377766

ecehod@jits.in

Sandhyar2011@gmail.com

| | 10:00 am -11:30 am | 2:00 pm - 03:30pm | |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Day-1 | Inauguration and Introduction to NN, and Recent Advances of NN Dr Meenakshi Sood | Architectures and Classification of NN, Learning Rules, Laws and Their Mechanism | |
| Day-2 | Back Propagation NN Prof Maitryee NITTTR CHANDIGARH | Machine Learning Algorithm, types of ML Dr Pooja Jain Head CSE IIIT nagpur | |
| Day-3 | Supervised Machine Learning -Decision tree, Naïve Bayes classifier, K nearest neighbor.- Hands on Dr.Tapan Jain, Assistant Professor, IIIT Nagpur | Unsupervised learning : Self organised Maps, Kohnen Networks | |
| Day-4 | Convolutional Neural Networks Dr.Meenakshi Sood, Associate Professor, NITTTR, Chandigarh | CNN Architectures AlexNet, for image Classification- Dr. Meenakshi S Arya, Professor, SRM Institute of Science and Technology, Chennai | |
| Day-5 | /Deep Neural Network Learning.- Dr.Meenakshi Sood, Associate Professor, NITTTR, Chandigarh | Appliaction of NN in Image Processing | |



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AICTE Sponsored
Short Term Training Programme(STTP) Online Mode Phase-I
RECENT ADVANCES AND FUTURE APPLICATIONS OF NEURAL NETWORKS
Organized by
Department of Electronics and Communication Engineering.
Accredited by NBA
14th to 19th December 2020

Resource Person Details

1. Dr.Maitree, Professor, NITTTR Chandigarh
2. Dr.Meenakshi Sood, Associate Professor, NITTTR Chandigarh
3. Dr.Pooja Jain, Head CSE, IIIT Nagpur
4. Dr.Tapan Jain, Assistant Professor, IIIT Nagpur.
5. Dr. Meenakshi S Arya, Professor, SRM University, Chennai.
6. Dr.P.Krishna, Assisant Professor, Nethaji University of Technology, New Delhi.
7. Dr.Ghanshyam Singh, Professor, JITS.
8. Dr.S.Sunil Kumar, Assistant Professor, VITS
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AICTE Sponsored

Short Term Training Programme (STTP) Online Mode

PHASE-I

“Recent Advances and Future Applications of Neural Networks”

14th to 19th December 2020

Valedictory Proceedings

19.12.2020



| S.No | Time | Item | Speaker |
|------|---------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 1. | 3.00PM | Welcome the Participants, Guests and other Dignitaries | Dr.S.Sandhya Rani Associate Professor, ECE |
| 2. | 3.05PM | Report on AICTE sponsored STTP on Recent Advances and Future Application Neural Networks. | Dr.Patteti Krishna Coordinator, STTP |
| 3. | 3:10PM | Feedback from the Participants | Participants |
| 4. | 3:30PM | Address by Director | Prof.P.Rangaiah |
| 5. | 3:35PM | Address by Sri.T.V.R.N.Reddy | Joint Secretary-Jayamukhi Educational Society |
| 6. | 3:45 PM | Address by Guest of Honor | Prof.K.Kishan Rao |
| 7. | 3:50PM | Introduce the Chief guest Dr.K.Aneetha Sheela Professor and Head Department of ECE, JNTUCEH | Zulekha Tabassum |
| 8. | 3:55PM | Valedictory Address | Dr.K.Aneetha Sheela |
| 9. | 4:00PM | Presidential remarks by Principal | Dr.M.Lokanadha Rao Principal, JITS |
| 10. | 4:05PM | Vote of Thanks | Hameed Pasha Mohammad Head, Dept.of ECE |

Online Mode : Google Meet

Host by : Dr.S.Sandhya Rani, Associate Professor

Organizing Team :

Dr.Ghanshyam Singh, Professor of ECE

Dr.M.Krishna Samy, Associate Professor

Zulekha Tabassum, Associate Professor

S.K.Mastan, Associate Professor

V.Madhu Kumar, Associate Professor

Technical Support : Mr.S.Naveen B.Tech IV Year

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**All India Council for Technical Education(AICTE) Sponsored
 Short Term Training Programme(STTP)**
 Phase-I
 Online Mode
 On

RECENT ADVANCES AND FUTURE APPLICATIONS OF NEURAL NETWORKS
 14th to 19th December 2020
 Organized by
 Department of Electronics and Communication Engineering
 (Accredited by NBA)

VALEDICTORY

Chief Guest
 Dr. K. Aritha Sheela,
 Professor & Head of ECE, JNTUH

Keynote Address by
 Prof. K. Kishan Rao,
 Professor of ECE, Advisor, JITS

Welcome Address by
 Sr. T.V.R.N.Reddy,
 Joint Secretary, JITS

Address by
 Prof.M.Lokanadha Rao,
 Principal and President of Valedictory Function

Address by
 Prof.P.Rangalah,
 Director, JITS

Coordinator Report by
 Dr.Krishna Patbati,
 Professor of ECE, JITS

Convener
 Mr.Hameed Rasha Mohammad,
 Head of ECE Dept., JITS

Organizer
 Dr. Sandhya Rani,
 Associate Professor, Dept of ECE, JITS

meet.google.com/fur-snkhi-zwc

REC

Meeting details

People (94)

- Priyanka Jampala
- Priyanka potbukumari
- Rechara, K
- Rahul yadav Bommaru
- Rajani kumar Dantel
- Rangabali Pulimati
- Rasa Ravali
- Ravi ponnam
- Reddy Shrinsha
- Rohini bodala (85% available (plugged in, charging))

10:51 AM
12/14/2020

Meeting interface showing a grid of participants, a meeting details sidebar, and a system tray at the bottom.

Meeting details sidebar:

- People (92)
- Chat
- Priyanka pothukunuri
- Rachana, K
- Rahul yadav Bommera
- Rajani kumar Dorigi
- Rangasah Pulimati
- Rasa Ravali
- Ravi ponnam
- Reddy Shrilsha
- Rohini bodas
- Rohith Ganji

System tray (bottom):

10:55 AM
12/14/2020