



**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*

**5. Signal Processing**

**Techniques for Advance**

**Wireless**

**Communications Phase -I**



**SUBMISSION OF REPORT  
on**

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

**SPONSORED**

**SHORT TERM TRAINING PROGRAM(STTP)**

**“Signal Processing Techniques for Advanced  
Wireless Communications”**

**Online mode  
(Phase-I to Phase-IV)**

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



**JAYAMUKHI  
INSTITUTE OF TECHNOLOGICAL SCIENCES**

(UGC-Autonomous)

Affiliated to JNTUH, Approved by AICTE, Recognized under 2(f) and 12(B) Narsampet, Warangal rural - 506 332



# JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES



(An Autonomous Institution)

All India Council for Technical Education(AICTE) Sponsored  
Short Term Training Programme(STTP)

Phase-I  
Online Mode  
On

## “Signal Processing Techniques for Advanced Wireless Communication ”

During 24<sup>th</sup> to 29<sup>th</sup> August 2020

Organized by  
Department of Electronic and Communication Engineering  
(Accredited by NBA)



Register Now:



or

<https://qrigo.page.link/q7ivR>

Dr.Ch.Devender Reddy

Sri T.V.R.N.Reddy



Secretary & Correspondent  
Jayamukhi Education Society  
Narasempet, Warangal Rural

Joint Secretary  
Jayamukhi Educational Society  
Narasempet, Warangal Rural

Dr.M.Lakshmaiah Rao

Prof.P.Rangaiah

Prof.K.Goban Rao



Principal  
JTS  
Narasempet, Warangal Rural

Director  
JTS  
Narasempet, Warangal Rural

NBA, Member (ECE Warangal)  
Founder Principal and Advisor,  
JTS

### Our Speakers

Dr.M.Gangadharappa

Prof.T.Kishore Kumar

Prof.Dhiraaj Sunshra

Dr.Abhinav Kumar

Dr.V.V.Nani



Professor, ANICTE, New Delhi  
President, ITC – MHRD,  
New Delhi

Professor,  
Dept. of ECE,  
NIT Warangal

Professor of ECE  
INTU College of Engineering  
Jagdal

Associate Professor  
Dept. of Electrical Engineering  
IT Hyderabad

Associate Professor  
Department of ECE  
NIT Warangal

**Registration Fee :**

Free online STTP Sponsored by AICTE

**Register Now:**



or <https://qrqa.page.link/q7ivR>

**Important Dates:**

Last date for Registration : 17<sup>th</sup> Aug 2020

Notification of Selection : 20<sup>th</sup> Aug 2020

**Venue:** 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 exam with minimum 60% marks.**

**Benefits to Participants:**

This STTP on Signal Processing Techniques for Advanced Communication Technologies is a new technological development in the era of Communication. Your association will benefit with an outstanding exposure to the technology incorporated in advances in signal processing and communication.

**Level of Participants**

Faculty working in AICTE approved institutes having a zeal to rigorous research In the field of signal processing for wireless communication, 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:**

Prof.K.Kishan Rao, Professor of ECE &  
Advisor , JITS

Dr.Sriram Sandhya Rani  
Dr.Ghanshyam Singh  
Dr.M.Krishna Samy  
Zulekha Tabassum

**Convener:**

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



JAYAMUKHI  
INSTITUTE OF TECHNOLOGICAL SCIENCES



(UGC-Autonomous)

Affiliated to JNTUH, Approved by AICTE,

Recognized under 2(f) and 12(B)

Narsampet, Warangal rural - 506 332

AICTE Sponsored

**Short Term Training Program(STTP)**  
(Online Mode)

F.No : 34-65/193/RIFD/STTP/  
Policy-1/2018-19 Dated 10.01.2020

**Signal Processing Techniques for  
Advanced Wireless Communication**

(24<sup>th</sup> to 29<sup>th</sup> August 2020)



Organized by



Department of  
Electronics and Communication Engineering  
(Accredited by NBA)



# JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES

(An Autonomous Institution)  
Narsampet, Warangal – 506 332(Telangana)



## AICTE Sponsored Short Term Training Program(STTP) (Online Mode)

Offer letter F.No : 34-65/193/RIFD/STTP/Policy-1/2018-19 Dated:10.01.2020.

### *Signal Processing Techniques for Advanced Wireless Communications*

24<sup>th</sup> to 29<sup>th</sup> August 2020

Organized by

**Department of Electronics and Communication Engineering**

(Accredited by NBA)

Schedule- online STTP

Online mode platform : GOOGLE MEET

S.No	Date & Day	Session-I 10.00 A.M to 12:00 P.M	L U N C H  B R E A K	Session-II 2:00 P.M to 4:00 P.M
1.	24-08-2020 (Monday)	Inaugural ceremony and Introduction to wireless communication		Channels and Fundamental Limits in Wireless Communication
2.	25-08-2020 (Tuesday)	Diversity Combining Techniques		Space Time Coding
3.	26-08-2020 (Wednesday)	MIMO Transmission and detection Techniques		MIMO Transmission and detection Techniques
4.	27-08-2020 (Thursday)	Channel Estimation and Equalization Techniques		Channel Estimation and Equalization Techniques
5.	28-08-2020 (Friday)	Digital Modulation Techniques for Wireless Communications		Multicarrier Modulation System
6.	29-08-2020 (Saturday)	Signal Processing Techniques for 4G and 5G Communication <b>Dr.Abhinav Kumar, Associate Professor IIT Hyderabad</b>		Online Test and Valedictory

Coordinator  
Dr.Krishna Patteti  
Professor of ECE

**COORDINATOR**

Convener  
Hameed Pasha Mohammad  
HoD-ECE

M.L.R.  
**Principal**  
Jayamukhi Institute of Technological Sciences  
Narsampet, Warangal-506332.

Dr.M.Lokanadha Rao

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

**AICTE Sponsored**  
**Short Term Training Programme(STTP)**  
**Online Mode**  
**24<sup>th</sup> to 29<sup>th</sup> August 2020**  
**AGENDA**  
**24.08.2020**

<b>S.No</b>	<b>Time</b>	<b>Item</b>	<b>Speaker</b>
1.	9:30	online link to Participants for joining the STTP	Dr.S.Sandhya Rani
2.	10:00	Welcome address, Joint Secretary- Jayamukhi Education Society	Sri.T.V.R.N.Reddy
3.	10:05	Report on AICTE sponsored STTP on <b>Signal Processing Techniques for Advanced Wireless Communication Technologies</b>	Dr.Krishna Patteti Coordinator, STTP
4.	10:10	Address by Head of the Department	Hameed Pasha Mohd
5.	10:15	Address by Director	Prof.P.Rangaiah
6.	10:20	Inaugural Address about STTP :	Prof.K.Kishan Rao
7.		<b>Introduce the Chief guest by : Zulekha Tabassum</b>	
8.	10:25	Keynote Address about STTP	Prof.T.Kishore Kumar Professor of ECE NIT Warangal.
9.	10:30	Presidential remarks by Principal	Dr.M.Lokanadha Rao Principal, JITS
10.		Vote of Thanks	Dr.S.Sandhya Rani

Online Mode : Google Meet  
Host by : Dr.S.Sandhya Rani, Associate Professor  
Technical Support : M.Manoj Kumar, Associate Professor  
Zulekha Tabassum, Associate Professor

1. Dr.M.Madhavi Latha  
Director, DAP-JNTUH & Professor of ECE-JNTUCEH  
[mlmakkena@yahoo.com](mailto:mlmakkena@yahoo.com), [mlmakkena@ieee.org](mailto:mlmakkena@ieee.org) , [mmadhavilatha@jntuh.ac.in](mailto:mmadhavilatha@jntuh.ac.in)  
mobile number : 09848506611

---

2. Dr.Aneethasheela  
Professor of ECE and Head of ECE Department, JNTUH  
Mobile Number : 9441189219  
e-mail id: [kanithasheela@jntuh.ac.in](mailto:kanithasheela@jntuh.ac.in),

---

3. Dr.V.V.Mani  
8332969365  
Associate Professor  
[vmani@nitw.ac.in](mailto:vmani@nitw.ac.in)  
NIT Warangal

---

4. Dr.Abhinav Kumar  
Associate Professor  
Department of Electrical Engineering  
[abhinavkumar@iith.ac.in](mailto:abhinavkumar@iith.ac.in)

---

5. Adhitya K Jagannatham  
Associate Professor  
Department of Electrical Engineering  
IIT Kanpur  
[adityaj@iitk.ac.in](mailto:adityaj@iitk.ac.in)

---

6. Dr.Ritwik Haldar  
Assistant Professor  
VelTech University  
Coimabatore



# KHI INSTITUTE OF TECHNOLOGICAL SCIENCES

(An Autonomous Institution)

(Affiliated to JNTUH, Approved by AICTE)

**AICTE Sponsored**

**Short Term Training Programme(STTP)**

**Online Mode**

**24<sup>th</sup> to 29<sup>th</sup> August 2020**

**Valedictory Proceedings**

**29.08.2020**



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 <b>Signal Processing Techniques for Advanced Wireless Communication Technologies</b>	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 Advisor JITS	Prof.K.Kishan Rao
6.	3:40PM	Address by Sri.T.V.R.N.Reddy	Joint Secretary-Jayamukhi Educational Society
7.	3:50PM	<b>Introduce the Chief guest Dr.Gangadarappa, Professor, IAICTR, New Delhi, Director IIC under MHRD</b>	Zulekha Tabassum Associate Professor, ECE
8.	3:55PM	Valedictory Address	Dr.Ganadarappa
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

Technical Support : M.Manoj Kumar, Associate Professor

Zulekha Tabassum, Associate Professor