AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S & Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com

BROCHURES and REPORT

OF

FDP/ PROFESSIONAL DEVELOPMENT/ ADMINISTRATIVE

TRAINING   PROGRAMMES ORGANIZED BY INSTITUTE

(2020-2021)

PRINCIPAL
Avanthi Institute of Engineering & Technology
Gunthapally (V). Hayathnagar (M)
Ranga Reddy Dist - 501 512

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INDEX for A.Y 2020-21

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PRINCIPAL
Avanthi Institute of Engineering & Technology
Gunthapally (V), Hayathnagar (M).
Ranga Reddy Dist - 501 512

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	ACADEMIC YEAR 2020-21		
Sl. No	**Title of the FDP/MDP/ professional development/ administrative training program**	**Dates (from-to) (DD-MM- YYYY)**	**No. of days**
1	ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON MATLAB SIMULINK & IMAGE PROCESSING	09th to 14th NOV 2020	6 days
2	FIVE DAY FACULTY DEVELOPMENT PROGRAMME ON SOLAR AND WIND ENERGY CONVERSION	15th to 19th FEB 2021	5 days
3	FIVE DAY FACULTY DEVELOPMENT PROGRAMME ON DATA SCIENCE AND MACHINE LEARNING	17th to 21st MAY 2021	5 days

PRINCIPAL
Avanthi Institute of Engineering & Technology
Gunthapally (V), Hayathnagar (M),
Ranga Reddy Dist - 501 512.

ABOUT Avanthi Educational Society

Avanthi Educational Society's, Avanthi Institute of Engineering & Technology has been established in 2005 with a mission to create techno excellent citizen through academic excellence. Today the society has 20 higher educational institutes under its umbrella. This includes ten arts, commerce and science colleges, six engineering colleges, two management institutes, and two pharmacy colleges.

ABOUT INSTITUTE

The Institute is approved by the AICTE, New Delhi, accredited by NBA, and is affiliated to JNTU Hyderabad.

Avanthi is committed to improve the core competencies and it extends full support to its students, at all times, to meet with the global competitive edge as technical education has immense potentials to generate substantial economic growth in the country. This institute has four UG programs in CSE, ECE, EEE, Mechanical, and four PG programs in EPS, VLSI, CSE, and Embedded system

ABOUT DEPARTMENT

The Electronics &communications Engineering U.G Program has been introduced in the academic year 2005 and a P.G program in the year 2011 with vlsi design & Embedded Systems specialization. The department has experienced teaching faculty and well stacked department library. The department has well equipped laboratories like, DSP lab, VLSI lab, VHDL lab, Microwave lab, Communication lab, Microprocessors & Microcontrollers lab, Linear & Digital IC lab, PCB lab.

COURSE CONTENT

- Introduction to MATLAB/SIMULINK Environment and it's applications.
- Building Graphical User Interface (GUI).
- Recent Trends in Image processing, Image Enhancement, Image Restoration, Denoising, Compression, Edge Detection& segmentation.
- Image processing with DSP Processor
- Recent Research Areas in Signal Processing.
- Filter Designing
- Communication Tool Box.
- MATLAB interfacing with Microcontroller.

RESOURCE PERSONS
Dr. A.Rajani Assoc.Professor
JNTUH, Hyderabad
Dr.P.Chandra Sekhar Reddy, Professor
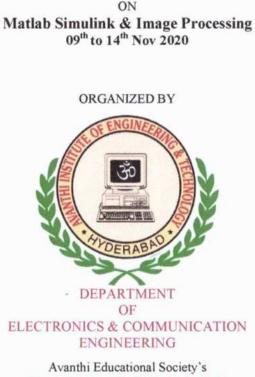**JNTUH,** Hyderabad

COURSE FEE
Course registration fee:
1. Faculty Rs. 500/-.
2. Industry persons 500/-
3. Students 300/-
Note: Lunch will be provided for participants.

HOW TO APPLY/REGISTRATION
Scanned application forms should be send through e-mail for conformation before 7th Nov' 2020 & Spot Registration available .
E-mail: avanthiece2005@gmail.com
ecehod.aiet@gmail.com

Fee shall be paid by cash and duly filled applications in the prescribed format should be submitted to the coordinator on or before 9th Nov 2020.

ONE WEEK FACULTY DEVELOPMENT PROGRAMME
ON
Matlab Simulink & Image Processing
09th to 14th Nov 2020

ORGANIZED BY

DEPARTMENT
OF
ELECTRONICS & COMMUNICATION
ENGINEERING

Avanthi Educational Society's
AVANTHI GROUP OF COLLEGE'S
Guntapalli (V), Abdullapurmet (M),
Dist. – Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website: - www.aietg.ac.in

ABOUT THE PROGRAM

This Faculty Development Program is devoted to the Fundamentals of Embedded Systems that encompasses the fundamental theory, applications, algorithms, and implementations of processing or transferring information contained in different physical, symbolic, or abstract formats broadly designated as circuits. This FDP covers both theoretical and practical areas of Matlab and Image Processing. This FDP will be a valuable and important platform for inspiring personnel and interdisciplinary exchange at the forefront of IoT and its Application . This FDP will bring together academicians, scientists, engineers, and practitioners from all over the Country.

ELIGIBILITY :

This course is open to Faculty members from Engineering Colleges, Industrial persons, Scientists, Research Scholars, Post Graduate and Under Graduate Engineering students

VENUE:
DEPARTMENT OF ECE

**AVANTHI INSTITUTE OF ENGINEETING AND TECHNOLOGY,
NEAR RAMOJI FILM CITY,
GUNTHAPALLY (V),
ABDULLAPURMET (M),
HYDERABAD.**

REPORTING TIME: 9 AM, 09ᵗʰ NOV 2020

ORGANIZING COMMITTEE

CHIEF- PATRONS

- **Sri. M. Srinivasa Rao, Minister of Tourism and Cultural affairs, Andhra Pradash Chairman, Avanthi Group of Institutions**
- **Smt.M.Ganeshwari- President**
- **Mr.M.Nadesh – Vice-President**
- **Dr. Priyanka, General Secretary**
- **Sri. I. Shravan Kumar, Managing Director**

PATRONS

- Dr. Y. Jaya Prada, Director – HR
- Dr. G. Ramachandra Reddy , Principal-AVIH

CONVENOR & CO-CONVENOR

- Dr.S.KISHOR REDDY, HOD,AVIH
  9490407807
- .Dr.G.SAIKUMAR, I/C-HOD,AVIH
  7032769479

ORGANIZING COMMITTEE MEMBERS

Mr.S.Saidi Reddy	Mr.J.B Siddhartha
Mrs. K.Anuradha	Mr.G.Srinivas
Mrs. K.Shailaja	Mrs.A.Lavanya
Mr. K.Ramu	Mrs.Y.Priyanka

ADDRESS FOR CORRESPONDENCE

Coordinators:
Dr.kishor reddy -9490407807
Dr.G.Saikumar-7032769479

ONE WEEK FDP PROGRAM ON
Matlab Simulink & Image Processing
Electronics&Communications Engineering Dept.,
Avanthi Institute of Engineering & Technology
Guntapalli (V), Abdullapurmet(M),
Dist. - Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website: www.aietg.ac.in

ONE WEEK FACULTY DEVELOPMENT PROGRAMME
ON
Matlab Simulink & Image Processing
09ᵗʰ TO 14ᵗʰ NOV 2020
Registration Form

Name & Address of the applicant

:_____

_____

_____

Gender : M/F_____

Branch :_____

Year :_____

Working Experience :_____

Institute/College Name :_____

Institute/college address :_____

_____

_____

Phone /Mobile: _____

E-mail (compulsory): _____

Cash paid. Yes/No: _____

Place: _____

Date:_____

Signature of Applicant:_____

Signature of Head of the Institute with Seal

ABOUT Avanthi Educational Society

Avanthi Educational Society's, Avanthi Institute of Engineering & Technology has been established in 2005 with a mission to create techno excellent citizen through academic excellence. Today the society has 20 higher educational institutes under its umbrella. This includes ten arts, commerce and science colleges, six engineering colleges, two management institutes, and two pharmacy colleges.

ABOUT INSTITUTE

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ABOUT DEPARTMENT

Established in 2005, with an intake of 60. The Department Offers. The B.Tech program in Mechanical engineering has been accredited by the National Board of Accreditation [NBA] since 2013.The Department is having 28 faculty members including 1 Professors and 27 Assistant Processors.

COURSE CONTENT

- Introduction To Solar enegy:
- Electric Motors And Control
- Power control in solar
- Wnind convesion
- Modeling And Simulation
- Advanced solar Technologies
- Fault Diagnosis And Maintenance
- Applications And Case Studies
- Laboratory Sessions:

RESOURCE PERSONS
Dr. M.KAVITHA RANI, Professor
JNTUH, Hyderabad

COURSE FEE
Course registration fee:
1. Faculty Rs. 500/-.
2. Industry persons 500/-
3. Students 300/-
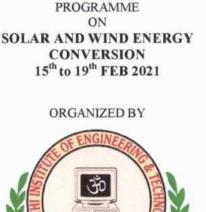*Note: Lunch will be provided for participants.*

HOW TO APPLY/REGISTRATION
Scanned application forms should be send through e-mail for conformation before 14th feb 2021 & Spot Registration available .
E-mail: avanthieee@gmail.com
aiet.eeehod@gmail.com

Fee shall be paid by cash and duly filled applications in the prescribed format should be submitted to the coordinator on or before 14th feb 2021

FIVE DAY FACULTY DEVELOPMENT
PROGRAMME
ON
**SOLAR AND WIND ENERGY
CONVERSION**
15th to 19th FEB 2021

ORGANIZED BY

DEPARTMENT
OF
ELECTRICAL & ELECTRONICS
ENGINEERING

Avanthi Educational Society's
AVANTHI GROUP OF COLLEGE'S
Gunthapalli (V), Abdullapurmet (M),
Dist. – Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website: - www.aietg.ac.in

PRINCIPAL
Avanthi Institute of Engineering & Technology
Gunthaplly (V), Hayathnagar,
Ranga Reddy (Dist.)

ABOUT THE PROGRAM

This FDP aims at providing a forum for members of the research and academic community, to interact on cutting-edge and ground breaking topics Electrical Industrial Drives is designed to enhance the knowledge and skills of faculty members, researchers, and professionals in the field of electrical engineering, specifically focusing on industrial drives. The program aims to provide participants with in-depth insights into the design, analysis, and implementation of electrical drives used in various industrial applications.

ELIGIBILITY :

This course is open to Faculty members from Engineering Colleges, Industrial persons, Scientists, Research Scholars, Post Graduate and Under Graduate Engineering students

VENUE:
DEPARTMENT OF EEE

AVANTHI INSTITUTE OF ENGINEETING AND TECHNOLOGY,
NEAR RAMOJI FILM CITY,
GUNTHAPALLY (V),
ABDULLAPURMET (M),
HYDERABAD.

REPORTING TIME:9AM, 15th to19th FEB 2021

ORGANIZING COMMITTEE

CHIEF- PATRONS

- **Sri. M. Srinivasa Rao, Minister of Tourism and Cultural affairs, Andhra Pradash Chairman, Avanthi Group of Institutions**
- **Smt.M.Ganeshwari- President**
- **Mr.M.Nadesh – Vice-President**
- **Dr. Priyanka, General Secretary**
- **Sri. I. Shravan Kumar, Managing Director**

PATRONS

- Dr. Y. Jaya Prada, Director – HR
- Dr.G.RAMACHANDRA REDDY, Principal-AVIH

CONVENOR & CO-CONVENOR

- T.KRANTHI KUMAR, HOD,AVIH
                                    9652224466

M.SATHISH KUMAR,
                                    9160618180

ORGANIZING COMMITTEE MEMBERS

Mrs.E.Prasanna   Mr.M.Shankar
Mrs.M.Ragini   Mr.K.Nagarguna

ADDRESS FOR CORRESPONDENCE

Coordinator:
- T.KRANTHI KUMAR- 9652224466

FIVE DAY FDP PROGRAM ON
SOLAR AND WIND ENERGY CONVERSION

Electrical and Electronics Dept.,
Avanthi Institute of Engineering & Technology
Guntapalli (V), Abdullapurmet(M),
Dist. - Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website: www.aietg.ac.in

FIVE DAY FACULTY DEVELOPMENT
PROGRAMME
ON
SOLAR AND WIND ENERGY CONVERSION
15th to 19th FEB 2021

Registration Form

Name & Address of the applicant

:_____

_____

_____

Gender : M/F_____

Branch :_____

Year :_____

Working Experience :_____

Institute/College Name :_____

Institute/college address :_____

_____

_____

Phone /Mobile: _____

E-mail (compulsory): _____

Cash paid. Yes/No: __PRINCIPAL__

Place: __Avanthi Institute of Engineering & Technology

Date: _____Gunthaplly (V), Hayathnagar, Ranga Reddy (Dist)

Signature of Applicant:_____

Signature of Head of the Institute with Seal

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Avanthi is committed to improve the core competencies and it extends full support to its students, at all times, to meet with the global competitive edge as technical education has immense potentials to generate substantial economic growth in the country. This institute has four UG programs in CSE, ECE, EEE, Mechanical, and four PG programs in EPS, VLSI, CSE, and Embedded system

ABOUT DEPARTMENT

Established in 2005, with an intake of 60. The intake of CSE has been increased to 120 from 2007.The Department Offers M.Tech program in CSE with an intake of 24, established in 2012 and intake increased to 48 from 2014.The B.Tech program in computer science and engineering has been accredited by the National Board of Accreditation [NBA] since 2013.The Department is having 36 faculty members including 2 Professors, 7 Associate Professors and 27 Assistant Professors.

COURSE CONTENT
- The basics of machine learning.
- How to perform cross-validation to avoid overtraining
- Several popular machine learning algorithms.
- How to build a recommendation system.
- What is regularization and why it is useful.
- Data Abundance
- Advancements in Algorithms
- Increased Computational Power
- Growing Demand for Automation
- Interdisciplinary Collaboration

RESOURCE PERSONS
Dr.K.Shahu Chatrapati, Professor
JNTUH, Hyderabad

COURSE FEE
Course registration fee:
1. Faculty Rs. 500/-.
2. Industry persons 500/-
3. Students 300/-
Note: Lunch will be provided for participants.

HOW TO APPLY/REGISTRATION
Scanned application forms should be send through e-mail for conformation before 15th May 2021 & Spot Registration available .
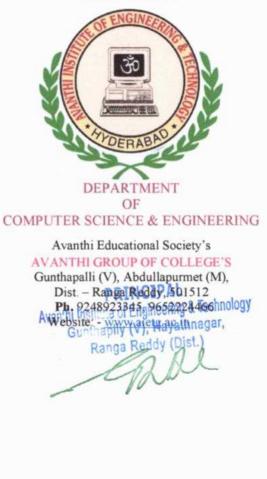E-mail: avanthicse@gmail.com
aiet.csehod@gmail.com

Fee shall be paid by cash and duly filled applications in the prescribed format should be submitted to the coordinator on or before 16th May 2021.

FIVE DAY FACULTY DEVELOPMENT
PROGRAMME
ON
**DATA SCIENCE AND
MACHINE LEARNING**

17th to 21th MAY 2021

ORGANIZED BY

**DEPARTMENT
OF
COMPUTER SCIENCE & ENGINEERING**

Avanthi Educational Society's
AVANTHI GROUP OF COLLEGE'S
Gunthapalli (V), Abdullapurmet (M),
Dist. – Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website. - www.aiet.ac.in

ABOUT THE PROGRAM

This FDP aims at providing a forum for members of the research and academic community, to interact on cutting-edge and ground breaking topics in Data science and machine learning are integral components of the modern technological landscape, driving innovation and efficiency across various industries. Their effective integration requires collaboration among data scientists, domain experts, and business stakeholders to harness the full potential of data for decision-making and problem-solving.

ELIGIBILITY :

This course is open to Faculty members from Engineering Colleges, Industrial persons, Scientists, Research Scholars, Post Graduate and Under Graduate Engineering students

VENUE:
DEPARTMENT OF CSE

AVANTHI INSTITUTE OF ENGINEETING AND TECHNOLOGY,
NEAR RAMOJI FILM CITY,
GUNTHAPALLY (V),
ABDULLAPURMET (M),
HYDERABAD.

REPORTING TIME:9AM,17th to21th MAY 2021

ORGANIZING COMMITTEE

CHIEF- PATRONS
- **Sri. M. Srinivasa Rao, Minister of Tourism and Cultural affairs, Andhra Pradash Chairman, Avanthi Group of Institutions**
- **Smt.M.Ganeshwari- President**
- **Mr.M.Nandesh – Vice-President**
- **Dr. Priyanka, General Secretary**
- **Sri. I. Shravan Kumar, Managing Director**

PATRONS
- Dr. Y. Jaya Prada, Director – HR
- Dr. G.Ramachandra Reddy , Principal-AVIH

CONVENOR & CO-CONVENOR
- Mr.K.SRINIVAS, HOD,AVIH

  9908274030

  Mr. S.RAJENDER,

  8106637110

ORGANIZING COMMITTEE MEMBERS

Dr.Prasad rao mandala	Dr.Ahmed khan
Ms.Uddagiri Uma	Mr.Raghu Salla
Mrs.Nallabolu Pavani	Mrs.K.Swathi
Mr.G.Ramakrishna	Mr.Mushan Srinath

ADDRESS FOR CORRESPONDENCE

Coordinator:
S.Rajender-8106637110

FIVE DAY FDP PROGRAM ON
BIG DATA ANALYTICS
Computer Science & Engineering Dept.,
Avanthi Institute of Engineering & Technology
Guntapalli (V), Abdullapurmet(M),
Dist. - Ranga Reddy, 501512
Ph. 9248923345, 9652224466
Website: www.aietg.ac.in

FIVE DAY FACULTY DEVELOPMENT
PROGRAMME
ON
DATA SCIENCE AND
MACHINE LEARNING
17th to 21th Dec 2021
Registration Form

Name & Address of the applicant

:_____

_____

_____

Gender : M/F_____

Branch :_____

Year :_____

Working Experience :_____

Institute/College Name :_____

Institute/college address :_____

_____

_____

Phone /Mobile: _____

E-mail (compulsory): _____

Cash paid. Yes/No:

Place:

Date:

Signature of Applicant:_____

Signature of Head of the Institute with Seal

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www.aietg.ac.in email: principal.avanthi@gmail.com

REPORT OF EVENTS ORGANIZED

1. Faculty Development programme on matlab Simulink and image processing

    The Department of Electronics Communication Engineering has conducted FDP on mat lab Simulink and image processing From 09-14 nov 2020 for teaching faculty.

    The Resource Person by Dr.A.Rajani Associate professor ECE from JNTUH.

    Total 52 number of faculty participated in the FDP. This FDP Sessions had provided an excellent knowledge of Matlab simulink and image processing

2. Faculty Development programme on solar and wind energy system

    The Department of Electrical & Electronics Engineering has conducted FDP on solar and wind energy system From 15-19 Feb 2021 for teaching faculty.

    The Resource Person by Dr. M. Kavitha rani professor of EEE from JNTUH.

    Total 55 number of faculty participated in the FDP. This FDP Sessions had provided an good knowledge of about Solar and wind energy system

3. Faculty Development programme on Data science and machine learning

    The Department of Computer Science Engineering has conducted FDP on Data science and machine learning From 17-21 may 2021 for teaching faculty.

    The Resource Person by Dr.K.Sahu chathrapathi professor of CSE from JNTUH.

    Total 60 number of faculty participated in the FDP. This FDP Sessions had provided an excellent knowledge about on data science and machine learning

PRINCIPAL
Avanthi Institute of Engineering & Technology
Gunthapally (V), Hayathnagar (M).
Ranga Reddy Dist - 501 512.