Registration form

Name:_____

Designation:_____

Department:_____

Institution:_____

Address:_____

Telephone No: _____

Email:_____

Experience in years:

Teaching: Research: Industry:

Signature of the   Signature of the
Candidate   Head of the Institution

Google Form: Online Registration Form

Last date for Registration: 21/08/2021

Address for Communication:

Dr C S S Anupama, Associate Professor, EIE dept.
VR Siddhartha Engg. College
Kanuru, Vijayawada-520007, AP
Mail: cssanupama@vrsiddhartha.ac.in
Contact No. 7013894062

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Sri N. Venkateswarlu, President,
Siddhartha Academy of General & Technical
Education (SAGTE), Vijayawada

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Dr. N. N. Sastry, Prof & Dean R &D
Dr. B. Panduranga Rao, Prof & Dean S.A

Convener

Dr G N Swamy,
Professor & Head, EIE

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AICTE Sponsored

Short Term Training Programme
(STTP)
on
"Trends and Challenges in Medical Image Analysis through Deep Learning Algorithms"
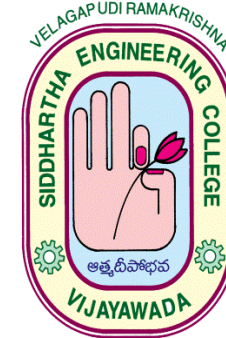**Phase-III**
23/08/2021-28/08/ 2021
Coordinator
Dr. C S S Anupama, Assoc. Prof.
Organized by:

Department of
Electronics & Instrumentation Engineering
Velagapudi Ramakrishna
Siddhartha Engineering College
(Autonomous)
(Sponsored by Siddhartha Academy of
General & Technical Education)
Kanuru, Vijayawada-520007
Andhra Pradesh
www.vrsiddhartha.ac.in
Ph. No.: 0866-2582333, 2584930

About the College:

Velagapudi Ramakrishna Siddhartha Engineering College (VRSEC) was established in the year 1977 as the first self-financing engineering college in the state of A.P. It is located in a vast expanse of 24.05 acres of land on the outskirts of Vijayawada city at a distance of about 6Kms from the city centre. The college is offering 7 UG (B.Tech) Courses with intake of 1140, 9 PG- M. Tech with 180, MBA with 60 and MCA with 60. The college has been accredited four times by National Board of Accreditation (NBA) of All India Council for Technical Education (AICTE), New Delhi in respect of all Engineering disciplines and also certified for ISO 9001:2008. It is affiliated to Jawaharlal Nehru Technological University, Kakinada, AP. Autonomous status was conferred by UGC in the year 2006 and extended for 10 years up to 2027-28 without visit to the college, first in AP. It is one among the top 16 engineering colleges selected with Rs 6 crores funding under World Bank aid for R&D and PG enhancement programme called TEQIP –II (S.C.1.2) by MHRD, Govt. of India. The institute secured AAA ranking and all India 7th position for the participation by students and faculty in NPTEL/SWAYM. The College received Platinum Award in years 2017, 2018 & 2019 as a Best Industry Linked Technical Institute by AICTE-CII Survey. It is also recognized as "Scientific & Industrial Research Organization (SIRO)" by DSIR. MST, Govt. of India since August 2017.

About EIE Department:

The Department of Instrumentation Engineering was established in 1995. The name is subsequently changed to Electronics & Instrumentation Engg. from the year 2003.Initially, the Department started instruction to Four Year B.Tech (E.I.E.) students with an intake of sixty students. It has subsequently been increased to 120 students in the Academic year 2007. The Department has well qualified dedicated Teaching staff with specializations such as Electronic Instrumentation, Control systems, embedded systems, Industrial Automation and control etc. The Department has 9 different undergraduate Laboratories, R&D Center, Class rooms, Library and Office. The department has been accredited by NBA of AICTE two times. The department provides excellent academic and research environment to the UG and research students.

About the Program:

Medical image analysis has become a key technology in clinical diagnosis and medical intervention. Several imaging modalities are used to visualize internal organs, bones tissues and structures. Mathematical and theoretical prerequisites necessary to carry out the research in biomedical image analysis are delivered in this program. The program is going to be conducted in four phases, Phase-I: Medical Imaging Modalities, Image Formation and Image File Formats, Phase II: Image Processing Algorithms for Image Analysis, Phase-III: Fundamentals of Machine Learning and Deep Learning and Phase-IV: Deep Learning for Medical Image Analysis.

Course Contents:

Image Processing using MATLAB
Image conversions, Image filtering, Region detection , Python Programming & Libraries Database & Statistics, Machine learning on image processing –Evaluating and deploying different ML algorithms-ML Classification, Unsupervised Learning, Supervised Learning Methods-Linear Regression Logistic Regression, K-Nearest Neighbours Algorithm on image, Concept and Working Principle of SVM, Training Neural Networks, Object detection using Neural networks, Image classification.

Resource Persons:

1. Jeevarajan M.K, & A P Sanjay Kumar
   Application Engineers,
   Pantechsolutions, Chennai
2. Dr. C S R K Prasad, Professor
   NITW, Warangal

Eligibility

The STTP is open to faculty members of AICTE approved Institutions, Research scholars and persons from industry and R&D organizations.

Registration and Fee Particulars

Registration can be done by sending the scanned copy of the filled in application duly signed by appropriate authorities before 21-08-2021 to the e-mail: cssanupama@vrsiddhartha.ac.in
There is no registration fee. e-copy of the certificate will be provided after attending all the sessions and qualifying in the quiz conducted on last day of the program.

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