CHIEF PATRON
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Secretary & Correspondent, VJES

Mrs. S. Neelima
Joint Secretary, VJES

PATRONS
Dr. E. Sai Baba Reddy, Director
Dr. A. Padmaja, Principal

HEAD OF THE DEPARTMENT
Dr.K.Vasanth, Professor/ECE

COORDINATOR
Dr. P. Ganesan,Professor/ECE

ADVISORY COMMITTEE
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Dr. G.Sreeram Reddy, HoD/MECH
Dr. A. Srujana, HoD/EEE
Dr.Siddhartha Ghosh, HoD/AI
Dr.Pallavi Badry, HoD/CIVIL
Dr. P.Chakradar, HoD/MBA
Prof.B.Srinivasulu, HoD/IT
Prof.M.Rajendra Prasad, HoD/H&S
Dr. S. Thulasi Prasad, Professor/ECE
Dr.V.G.Sivakumar, Professor/ECE
Dr. M.Vadivel, Professor/ECE
Dr. S.Saravanan, Asso.Professor/ECE
Mrs.G.Srilatha, Academic Coordinator
Mr.R.VenkataChalam, Sr. Admin.Officer

ORGANIZING COMMITTEE
Mrs. E. Kalpana,Associate Professor
Mr. G. Nagendra,Associate Professor
Mr. LakshmiLokesh, Asst. Professor
Mrs. S. Santhi Priya, Asst. Professor
Mr. G. Someshwara Rao, Asst. Professor
Mrs. S. Radha Devi, Asst. Professor
Mrs. C.H.S.N Sireesha Devi, Asst. Professor
Mr. V. Sridhar, Asst. Professor
Mr. S. Pradeep Kumar Reddy, Asst. Professor
Mrs. Sridevi, Asst. Professor
Mr. Naresh Kumar, Asst. Professor

GENERAL INSTRUCTIONS
➢ The Faculty members of the AICTE approved Institutions, Research Scholars, PG Scholars, Participants from Government Institutions and Faculty of host Institution are also eligible to attend the Program.

➢ Maximum 100 participants may be allowed to attend online STTP on a first come first serve basis.

➢ E-certificate will be issued to those participants who have attended the Program with minimum 80% Attendance and scored minimum 60% marks in the Online Test which will be conducted at end of the Program.

REGISTRATION
➢ Registration for all the participants is mandatory.
➢ All the participants are kindly requested to register for this STTP through online by visiting **https://forms.gle/UbWrntxpmWD2iGebA**

REGISTRATION FEE
➢ There is no registration fee for participants as the STTP is sponsored by AICTE.

RESOURCE PERSONS
➢ Eminent Professors and Industry Experts from leading organizations with an unmatched experience and knowledge in the field ofComputer Vision and Machine Learning.

ADDRESS FOR COMMUNICATION
Dr. Ganesan. P
Professor & Coordinator,
Department of Electronics and Communication Engg.
Vidya Jyothi Institute of Technology,
Hyderabad, Telangana
Email: drganesan@vjit.ac.in
Mobile: 9884161831

AICTE Sponsored
One Week
Online Short Term Training Programme (STTP)
On
"SciLab: An Effective Open Source Tool for Computer Vision and Machine Learning"

14-12-2020 to 19-12-2020

FN: 10.00 AM To 12.00 PM
AN: 02.00 PM To 04.00 PM

Organized by

Department of Electronics and Communication Engg
VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
Aziz Nagar Gate C.B. Post, Hyderabad–500 075, Telangana, India
(An Autonomous Institution)
Accredited by NBA & NAAC

ABOUT THE COLLEGE

Vidya Jyothi Institute of Technology (VJIT) was established in 1999. It is situated in the backdrop of Osmansagar (Gandipet) lake in the serene surroundings of Chilkur Balaji Temple, VJIT has a sprawling and lush green campus with architecturally splendid buildingsin an area of12 acres. The college has got a rich library of books, a state- of-art internet lab, and modern labs for each Department, a central workshop, sports and games facilities. The college is accredited by NAAC & NBA of AICTE. The college prides on the fact that it has a very senior and highly accomplished faculty- one of the best in the region. VJIT is rated as one of the best engineering colleges in theregion.

ABOUT THE DEPARTMENT

The department of ECE is a major strength of the institute. The department has an excellent group of faculty having teaching industry and research experience. The department of ECE offers P.G/U.G Programs M.Tech/B.Tech with an intake of 36 seats in M.Tech / 240 seats in B.Tech. The department has well equipped laboratories. We nurture the young talent available in the country and transform them into enterprising technologists so that they contribute immensely to the technological development and prosperity of the country and provide dynamic leadership to others. The department is also equipped with exclusive research labs like NI Labview center of excellence, ARM University Program & Cypress PSOC Semiconductors Laboratory.

ABOUT STTP

The main objective of the STTP is to help build an understanding of how to solve real world problems using Machine vision and Computer Vision with examples. This STTP provides theoretical and practical training that enables immediate and effective participation in Computer Vision and Machine Learning. This STTP introduces fundamental concepts of machine learning. It covers an overview of machine learning algorithms and their applications. The training comprises of a series of lectures and practical exercises. The participants obtain deep insights of machine learning, which in turn helps them to apply it in practice or as a foundation to a deeper study in this area. The STTP is to enable the students and faculty of various colleges/institutes/universities across India to use Open Source Software tools for all their computational needs, thereby improving the quality of instruction, learning and to avoid expensive licenses of computational tools for research and education.

OBJECTIVES OF STTP

- To expose the Faculty/ Research Scholars/ Students in emerging technologies in the areas of Computer Vision and Machine Learning.
- To provide practical foundation level training that enables immediate and effective participation in Computer Vision and Machine Learning.
- To understand of how to solve real world problems using Computer Vision with examples
- To increase the awareness of open source among the participants.
- To enable the participants to use open source software tools for all their computational needs, thereby improving the quality of instruction, learning and to avoid expensive licenses of computational tools for research and education.

EXPECTED OUTCOME OF STTP

On completion of STTP, Participants will be expected to:

- Have a good understanding of the fundamental issues and challenges of Computer Vision and Machine Learning
- Have an understanding of the strengths and weaknesses of many popular Computer Vision and Machine Learning approaches.
- Have an idea of how to solve real world problems using Computer Vision and Machine Learning

TOPICS TO BE COVERED

- Introduction to Machine learning
- Industrial Scope of Computer Vision and Image Processing
- Industrial Applications of Machine learning and Its Implementation using Open Source
- Insights of SciLab
- Implementation of Object Recognition using SciLab
- Computer Vision - A Perspective Walk Through SciLab
- Image Processing and Computer Vision using SciLab
- Feature Extraction Techniques using SciLab
- Machine Learning using Computer Vision – Linear Models
- Machine Learning using Computer Vision – Non-Linear Models