Registration form

Name:_____

Designation:_____

Institution &Department:_____

_____

Address:_____

Qualifications:_____

Experience in years: Teaching:_____

                              Research:_____

Age: _____   Sex: Male/Female

Telephone No._____

Email:_____

Signature of the   Signature of the
Candidate   Head of the Institution

Please register @:
https://forms.gle/f7pKAqVPqvZhecko8

Note:
- ❖ **Registration is free**
- ❖ **Attendance is mandatory for all the sessions to get the participation certificate**

Address for Communication:

Dr. S. Vasavi
Professor, & Program Coordinator
Department of CSE
Mobile – 9441063106
Registration starts at 9:30 AM on 27th Sep, 2021

Chief Patron

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

Patrons

Sri P. Lakshmana Rao, Secretary,
(SAGTE)
Sri M. Rajaiah, Vice-President, Siddhartha
Academy of General& Technical Education
(SAGTE) and Convener,
V R Siddhartha Engineering College

College Advisory Committee

Dr A.V Ratna Prasad, Principal
Dr N.N Sastry, Dean, R &D
Dr B.Panduranga Rao, Dean, Student
Affairs

Chief coordinator
Dr. D. Rajeswara Rao
Professor & Head, Department of CSE

Co-Ordinators

Dr. S. Vasavi
Professor, Department of CSE
Email: vasavi_movva@vrsiddhartha.ac.in
N. Sunny
Asst Professor, Dept of CSE

Department of CSE

TWO WEEK SUMMER SCHOOL ON
"Artificial Intelligence in Remote Sensing Applications"

(VIRTUAL MODE)

27th September – 8th October, 2021

In Collaboration with ISRO, DRDO

Velagapudi Ramakrishna Siddhartha Engineering College
Vijayawada-520007
Andhra Pradesh
www.vrsiddhartha.ac.in

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 acres of land on the outskirts of Vijayawada city at a distance of about 6 Kms from the city centre. The college offers 7 undergraduate programmes and 10 Post graduate programmes. The faculty at present are 330, comprising of well qualified professionals with varied experience and background. The college boasts 60 MoUs with industrial partners and has established Skill Development Centre in association with Govt. of AP. The college was accredited by NAAC with A+ grade and obtained NBA accreditation for all UG and 5 PG programmes in OBE format approved by Washington Accord, USA.

About CSE Department:

Established in the year 1985, the department of CSE offers B.Tech programme in Computer Science and Engineering, B.Tech in AI & Data Science and one M.Tech Programme in Computer Science and Engineering. The B.Tech program was accredited by NBA of AICTE in 2005, 2008, 2015 and 2018. The M.Tech program was accredited by NBA in 2015. The department has a team of highly qualified senior faculty with specializations in core areas of Computer Science and Engineering. The CSE department has been sanctioned projects from various organizations like UGC, AICTE, DST, Dept of Space-NRSC and ADRIN. It has a faculty strength of 40 and an intake of 180 students for UG(CSE), 60 students for UG(AI & Data Science) and 12 student for PG programme.

Introduction:

Remote sensing is the acquiring of information from a distance. NASA observes Earth and other planetary bodies via remote sensors on satellites and aircraft that detect and record reflected or emitted energy. Remote sensing imagery has many applications in mapping land-use and cover, agriculture, soils mapping, forestry, city planning, archaeological investigations, military observation, and geomorphological surveying, among other uses.

With time, the latest research and collected data, Artificial Intelligence and Machine Learning handle the challenges to analyze Big and voluminous data. The intersection of Artificial Intelligence, machine learning, deep learning and GIS is creating massive opportunities that were not possible before.

Objectives:
The Primary Objectives of the course:

➢ To enable the Faculty of Technical Education to learn fundamentals of Remote Sensing and Image Analysis
➢ To empower the participants with the strengths of Artificial Intelligence Methods for Remote sensing applications.
➢ Exposure to case studies in Remote Sensing that signifies alignment amongst the challenges to analyze big and voluminous data.
➢ To provide the participants with experiential learning so as to identify new applications of Remote Sensing with Artificial Intelligence methods.

Distinguished Speakers:

1. Mr. Nilesh Desai, Distinguished Scientist, Director, Space Application Center, ISRO, Ahmadabad, Distinguished Chief Guest
2. Smt. Geeta Varadan, Satish Dhavan Professor, ISRO, Bangalore, Guest of Honor
3. Dr. S.Venkata Raman, Scientist SG (Retd), ADRIN, ISRO, Hyderabad, Director C.R.Rao Advanced Institute of Mathematics, Statistics and Computer Science, (AIMSCS), University of Hyderabad, Hyderabad
4. Dr. Rajeev Jaiswal, Dy. Director (U&E), EDPO Programme Office, ISRO Head Quarters, Bangalore
5. Dr. M.V.Ravi Kumar, Deputy Director, Management Systems Area (MSA), NRSC, ISRO, Hyderabad
6. Dr. C. S. Jha, Outstanding Scientist and Chief General Manager, Regional Centres, NRSC, ISRO, Hyderabad
7. Dr. K.Venugopala Rao, Scientist SG (Retd), Group Director Urban studies NRSC, ISRO, Hyderabad
8. Dr. C. Sudhakar Reddy, Scientist SG and Head, Forest Biodiversity and Ecology Division, NRSC, ISRO, Hyderabad
9. Smt. Desiraju Padma, Scientist 'G', Centre for Artificial Intelligence & Robotics (CAIR), DRDO, Bangalore
10. Sri. Shashikant A Sharma, Scientist SG, Group Head, VRG/EPSA, Space Applications Centre, ISRO, Ahmadabad
11. Dr. Arijit Roy, Scientist SG & Head, Disaster Management Science Department, Indian Institute of Remote Sensing, ISRO, Dehradun
12. Dr Rashmi Sharma, Scientist - 'G', Head Oceanic Sciences Division, AOSG / EPSA, Space Applications Centre, ISRO, Ahmadabad
13. Dr. N.Rama Rao, Department of Earth and Space Sciences, Indian Institute of Space Science and Technology, Government of India, Trivandrum
14. Dr. Girish Pujar, Scientist SG, Rural Development & Watershed Monitoring, RSA, NRSC, ISRO, Hyderabad
15. Dr. N.Srinivas Rao, Scientist D, INCOIS, Hyderabad

Target Audience:

Faculty members from CSE,CIVIL,ECE,EIE,IT.