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 : http://www.vrsiddhartha.ac.in/ns-sta/

Note:
- ❖ **Registration Fee:**
  - o **Rs. 2000/- for R&D Laboratories and Industry.**
  - o **Rs. 600/- for outside faculty**
  - o **Rs. 500/- for outside students**
- • **Attendance is mandatory for all the sessions to get the participation certificate.**

Address for Communication:
Dr. S. Vasavi
Professor, Department of CSE
Mobile – 9441063106
Registration starts at 9:00 AM on 6th Nov, 2019

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, Professor, Dean, R &D
Dr B Panduranga Rao, Dean, Student Affairs

Chief coordinators:
Dr. K. Sri Rama Krishna
Professor & Head, Department of ECE
Dr. D. Rajeswara Rao
Professor & Head, Department of CSE
Dr. M. Suneetha
Professor & Head, Department of IT

Co-Ordinators
Dr. S. Vasavi
Professor, Department of CSE
Email: vasavi_movva@vrsiddhartha.ac.in

N. Sunny, Assistant Professor, Dept of CSE
A.Ravi Raja, Assistant Professor , Department of ECE
V.Radhe Syam, Assistant Professor Department of IT

NATIONAL SEMINAR
ON
"Space Technologies and Applications"

Organized by
Departments of CSE, ECE & IT

6th – 7th November, 2019

Velagapudi Ramakrishna Siddhartha Engineering College & PVP Siddhartha Institute of Science and Technology
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 in Vijayawada city. The college offers 7 Undergraduate programmes and 10 Post graduate programmes. The faculty at present are about 350, comprising of well qualified professionals with varied experience and background. The college has been sanctioned with projects from various organizations like ISRO, DRDO, DST, AICTE and UGC. The college has more than 30 patent applications and more than 1000 publications in Reputed journals. The college has two Centers of Excellence one in Composite Technology and the other in Video Analytics. The college boasts 64 MoUs with industrial partners and has established Skill Development Centre in association with Govt. of AP. The college is 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, IT & ECE Departments:

The departments of CSE, IT, ECE offer B.Tech programmes in Engineering and M.Tech Programme in various specializations. The B.Tech programs were accredited by NBA of AICTE in 2005, 2008, 2015 and 2018. The M.Tech programs were accredited by NBA in 2015. The departments have a team of highly qualified senior faculty with specializations in core areas of respective Engineering disciplines such as Machine Learning, Cyber Security,

Antennas, Image Processing, Signal processing, ANN, RF & MW. Faculty strength of these departments is 120 and a intake of 540 students for UG and 90 for PG programmes in the three departments alone.

Objectives of the Seminar;

➢ Briefing about various kinds of Remote Sensing satellites, sensors and orbits

➢ Demonstrating different types of Data Acquisition and Image Data Processing Techniques in remote sensing applications.

➢ Differentiating Hyperspectral sensors and their applications which are related to Satellite Communication.

➢ Outlining communication satellites with their frequency bands, orbits that are used in remote sensing and space applications.

➢ Demonstrating the S band systems used in Indian regional and foreign navigation satellite systems and their applications with GPS and Differential GPS concepts used in SAC

➢ Data acquisition from BHUVAN satellite and exploring 2D/3D representations of surface of the earth.

Venue:

CSE Seminar Hall,
VR Siddhartha Engineering College
Vijayawada, Andhra Pradesh

Invited Speakers:

❖ **Smt. Geeta Varadan, Satish Dhavan Professor, ISRO, Chief Guest**

❖ **Keynote Speaker:**
   Sri. Pradeep Gupta, Outstanding Scientist, URSC, ISRO, Bangalore

❖ **Dr. C. S. Jha, Outstanding Scientist and Group Director NRSC, ISRO, Hyderabad**

❖ **Dr. S. Venkat Raman, Scientist 'G', Group Director, ADRIN, Dept. of Space, Hyderabad**

❖ **Sri Shashikant A Sharma , Scientist-SG and Group Head, VRG/EPSA, Space Applications Centre, ISRO, Ahmadabad**

❖ **Dr Arindam Guha Scientist SF NRSC, ISRO, Hyderabad**

Target Audience:

Faculty from our college, other colleges and M. Tech Students.

Contents Covered:

❖ Module 1: Remote Sensing –Satellites/Sensors/orbits

❖ Module 2: Image Data Processing and Image Analysis

❖ Module 3: Hyperspectral Sensors and Applications

❖ Module 4: Artificial Intelligence and Data Analytics for EO Data

❖ Module 5: GPS and DGPS concepts, IRNSS and foreign navigational satellites and its applications, Demo of S band systems.

❖ Module 6: GIS Concepts & applications, Disaster Management, Overview of BHUVAN and its Demo