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HOD, Department of Civil Engineering, SVCE, Bengaluru.

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Mr. Revannasiddappa., Assistant Professor, SVCE, Bengaluru
Mr. Naveen Kumar B M., Assistant Professor, SVCE, Bengaluru.

Associate Coordinators

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Mrs. Suma Devi., Assistant Professor, SVCE, Bengaluru.
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Mr. Boya Nagaraju , Assistant Professor, SVCE, Bengaluru.
Mr. Madhu K.A , Assistant Professor, SVCE, Bengaluru.
Mrs. Anusha M , Assistant Professor, SVCE, Bengaluru.
Ms. Vijaya shree , Assistant Professor, SVCE, Bengaluru.

About FDP Outcomes

1. Apply geometric principles to arrive at solutions to surveying problems.
2. Analyze spatial data using appropriate computational and analytical techniques.
3. Design proper types of curves for deviating type of alignments.
4. Use the concepts of advanced data capturing methods necessary for engineering practice

About Resource Persons:

About Resource Persons

Dr. M.S. Ganesh Prasad is presently working as Professor of Civil Engineering in The National Institute of Engineering, Mysore. He received his Ph.D from IIT Roorkee in 2009 and his research focuses on spatial data quality, uncertainty in remote sensing, image classification, surveying and GPS. He is presently QIP Coordinator at NIE. He is also a coordinator from NIE for South east Asian network for disaster and environmental engineering, in collaboration with universities in Germany, Bangladesh and Nepal. He has delivered over 200 expert lectures on topics of GIS, remote sensing, GPS and surveying at various institutes all over the state.

Dr. T Mahadevaiah, presently is working as Professor & Head in the department of Civil Engineering for B G S Institute of Technology, B G Nagara. He obtained his graduation in Civil Engg from Mysore University, Master Degree and PhD from Anna University Chennai. He is having total teaching experience of more than 28 Years. His research interest is in the areas of Photogrammetric Surveying, Remote Sensing and GIS applications in the field of Civil engineering, Water Resources and Agriculture.



Sri Venkateshwara College of Engineering
Department of Civil Engineering



**5 DAYS NATIONAL LEVEL FACULTY
DEVELOPMENT PROGRAMME
ON
ADVANCED SURVEYING
JAN 23rd To 27th 2017**

Chief Patron

V. Muniyappa Dr. Shashidhar M
Chairman, SVGI CED, SVGI

Patron

Dr. Prabhakar Reddy C
Principal, SVCE

Convenor

Dr. LATHA M S
Head of the Department
Department of Civil Engineering
Venue

Sri Venkateshwara College of Engineering
NH7, Vidyanagar, International Airport road,
Bengaluru-562157

ABOUT THE COLLEGE



Sri Venkateshwara College of Engineering is one of the premium institutions affiliated to Visvesvaraya Technological University, Belgaum, approved by AICTE New Delhi and is an ISO 9001 : 2008 Certified Institution. Offering engineering and management courses, SVCE is a leader in technical education and in the development of ideas that shape the world's understanding of engineers. SVCE is proud of its position as the top academic college of engineering and proud of the people who make it so our students, faculty, staff and the management. Sri Venkateshwara College of Engineering is a Community of People to make an impact on the world around them and who experience daily the excitement of change that new ideas generate.

ABOUT THE DEPARTMENT

The **Civil Engineering Department** set up in 2004, has UG and PG Programmes with an intake of 120 students for UG and 24 students for PG. The department has 24 faculty belonging to various disciplines in the Civil Engineering field. We have memberships of Institution of Engineers (IE) and Indian Concrete Institute (ICI) and also have an MOU with FE Designs for consultancy services. We are also doing projects for Virtual Academy of Ancient Knowledge Systems (VAAK). The department has hosted a number of activities under student chapters of IE, ICI and Forum (Civil Engineering Students Association), a few of which are – Guest Lectures by eminent personalities such as Mr. S. Dhanabalan, Project Manager, NLC, Chennai, Dr. Aswath M.U., Chairman, and Mr. Kaushik Hajra, Secretary, ICI, Bangalore Centre, Mr.M.Chinnamani, Chief Manager, Center for Applied Research and Development, IISc, Bangalore, Dr. Manamohan Kalgal, Joint President and Head, Ultra Tech Cement Ltd., besides other learned Heads and Professors from various top institutions and departments around.

OUTLINE OF THE PROGRAMME

Module -1: Curve Surveying

Horizontal curves, elements of a simple curve, designation, Compound curves, reverse curves, Transition curves, vertical curves.

Module -2: Geodetic Surveying & Theory of Errors

Geodetic Surveying: Principle and Classification of triangulation system, Selection of base line and stations, Orders of triangulation, Reduction of Centre, Selection and marking of stations, Theory of Errors.

Module -3: Field Astronomy

Earth, celestial sphere, earth and celestial co-ordinate systems, spherical triangle, astronomical triangle, Napier's rule.

Module -4: Aerial Photogrammetry

Introduction, Principle, Uses, Aerial camera, Aerial photographs, Definitions, Scale of vertical and tilted photograph,, Ground Co-ordinates, Displacements and errors, Ground control, Procedure of aerial survey, Photomaps and mosaics, Stereoscopes, Parallax bar

Module -5: Modern Surveying Instruments

Introduction, Electromagnetic spectrum, Electromagnetic distance measurement, Total station, Digital self-leveling levels, Lidar scanners for topographical survey.

Remote Sensing: Introduction, Principles of energy interaction in atmosphere and earth surface features, Image interpretation techniques, visual interpretation,

Registration Form

5 DAYS NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME

Name:

Institution:

Designation:

Educational Qualification:

Address:

Email ID:

Phone No.:

Payment Details:

CASH

DD

In Favour of Sri Venkateshwara College of Engineering, Benagaluru

DD no.:

Date:

Date:

Signature

REGISTRATION FEES

Faculty Members : Rs. 2500/-

Research Scholars : Rs. 2500/-

Industries and R & D Organizations : Rs. 3500/-

Spot registrations also considered.

CONTACT DETAILS

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Associate Professor and HOD

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