



# AISSMS

POLYTECHNIC

CENTER OF ACADEMIC EXCELLENCE

Approval by AICTE New Delhi, Recognized by the Govt. of Maharashtra and Affiliated to MSBTE, Mumbai  
NBA Accredited Programmes



Sponsored

**Online National level Induction/  
Refresher Program on Advanced  
Surveying Instruments and  
Techniques**

**(FOR CIVIL ENGINEERING GROUP)**

On,

**24<sup>th</sup> February 2021 to 2<sup>nd</sup> March 2021**



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*(President, AISSM Society)*

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*(Vice President – AISSM Society)*

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*Principal, AISSMS's Polytechnic, Pune*

## COORDINATOR

**Mr. S. G. Anturkar**  
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## ORGANIZING TEAM

**Mr. B.H. Chafekar**

**Mrs. A.P. Kantak**

**Mr. K. D. Waghmare**

**Mr. P. V. Kapure**

**Mrs. S. S. Dethe Mrs. R. R. Jadhav Mr. A. S. Sathe**

## AISSMS POLYTECHNIC

Shri Shivaji Memorial Society, established as early as in 1917, is a premier educational institution in Pune. Ours is a result oriented society dedicated to the noble cause of military, general, technical & management education in India. It functions beyond race, cast, creed, religion & political spirit. The Society Management is very pragmatic and progressive. AISSMS's Polytechnic to M.S.B.T.E. Mumbai and approved by AICTE & Govt. of Maharashtra, has started in 1994. The polytechnic offers seven approved courses leading to the award of the diploma in engineering. The major courses are accredited by NBA. The Student gets exposure to state of art infrastructure that includes more than 43 well equipped laboratories, Library enriched with latest teaching aids, internet facility to name a few. Recognition of our institute as a centre of academic excellence is a reflection of clear ideas, technical and scientific knowledge, sense of belonging, discipline and ability to work together.

## VISION,MISSION

### VISION

Achieve excellence in quality technical education by imparting knowledge, skills and abilities to build a better technocrat.

### MISSION

- Empower the students by inculcating various technical and soft skills.
- Upgrade teaching-learning process and industry-institute interaction continuously.

## CIVIL ENGINEERING DEPARTMENT

Department of Civil Engineering is prepared to meet the challenges and is playing a leadership role in shaping the education of the 21st Century by providing unique educational and research opportunities at the forefront of Civil engineering and their applications. The department has accredited in Jan 2020 by NBA. The Department regularly arranges seminars, workshop from industry Experts for students as well as staff and also organizes industry visits for students.

## VISION, MISSION

### VISION

To be a fountain head of quality education by empowering students with necessary knowledge and skills.

### MISSION

- To impart the quality education to the students to serve society and nation.
- To enable the students to gain life-long learning skills and to pursue higher education.

## ABOUT PROGRAM

In the era of globalization, today the technology has brought the significant advancement in surveying instrument and technology. Available precise digital surveying instruments are used currently due to their accuracy, speed and easy operation of the same. These equipments and the applications are extensively used in the field of civil engineering, mining engineering, environmental engineering, transportation engineering and marine engineering. Since Remote Sensing and

Geographic Information System (GIS) is a vital discipline and being widely used for plotting and storing spatial information, it is expected that the faculties should know the basics of the course to apply in the practical. Through this program faculties will develop the desired skills and competencies which are necessary for the conduction of survey theory and giving direct exposure of practical knowledge.

## RESOURCE PERSONS

Eminent personalities from premier institutions such as IITs, NITs, R&D centre and reputed industries.

## REGISTRATION CRITERIA

Faculty members and researchers of AICTE approved Colleges and delegates from Industries are eligible to attend this program. Last day of registration is 20<sup>th</sup> February 2021.

- Participant should have ISTE life membership.
- Fast-track membership also provided from our Institute side.

## CONTACT

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## VENUE

This is an Online FDP, conducted on GOOGLE MEET/ Web-Ex platform

## CERTIFICATE

Certificate will be issued to the participants fulfilling attendance criteria for all the sessions and qualifying the test conducted at the end of the program.

## REGISTRATION LINK

<https://forms.gle/VqXwJoZoQVxeXLnA6>



## PROGRAM SCHEDULE

### Day 1:- 24<sup>th</sup> Feb

Session 1:- Inauguration of program

Session 2:- Applications of GIS by Dr. K.V. Jayakumar

Session 3:- Geospatial methods and Application of geospatial technologies by Dr. Venkata Reddy

### Day 2:- 25<sup>th</sup> Feb

Session 1:- Remote Sensing & GIS by Dr. S. K. Katiyar

Session 2:- Hands on demo for Model on Hec-Ras software by Dr. P.B. Nangare

Session 3:- Virtual Technical Visit by Mr. S. Tripathi

### Day 3:- 26<sup>th</sup> Feb

Session 1:- Advanced Surveying Techniques and Mapping by Dr. M. Shashi

Session 2:- Process of surveying with total station by Mr. R. M. Deshpande

Session 3:- Application of Advanced Surveying Techniques by Dr. Vema Vamsi Krishna

### Day 4:- 27<sup>th</sup> Feb

Session 1:- Photogrammetry and UAV by Dr. M. Shashi

Session 2:- Drone technology by Wg Cdr (Retd) Ajit Sapre

Session 3:- Surveying Practical with Advance instruments by Sanjay Vidwans

### Day 5:- 1<sup>st</sup> Mar

Session 1:- Hydrogeology and Remote Sensing by Dr. Deva Pratap

Session 2:- Drone technology by Wg Cdr (Retd) Ajit Sapre

Session 3:- Advanced Techniques of Measurements by Dr. G. K. Patil

### Day 6:- 2<sup>nd</sup> Mar

Session 1:- Stress management by Ministry of Ayush Organization

Session 2:- Case study for Total station by Mr. R. M. Deshpande

Session 3:- Assessment test

Session 4:- Valedictory function.