



# Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659

## Report

<b>Name of the Program / Activity / Event / Others</b>	Workshop on "Computerized surveying using total station and GIS"
<b>Date &amp; No. of days</b>	14.11.2017 & 1
<b>Organized by</b>	Department of Civil Engineering
<b>In association with</b>	ICI-JIT Students Chapter
<b>Venue</b>	CC1 lab & JIT Campus
<b>Participants/ Beneficiaries</b>	Internal

### Event brief (500 words with photo):

The Department of Civil Engineering in Association with ICI-JIT Students Chapter organized a workshop on Computerized surveying using total station and GIS by Mr.Mohanavizhiyan.G Presto Land Surveying institute, Salem.

The main aim of the workshop on the topic of “Computerized surveying using total station and GIS” is to impart the Practical knowledge and Technical skills in the field of Surveying by using the recent advanced instruments like Total station and also to create the career awareness about the present demands of industries and the requirement to fulfil such demands. The participants learned about how to measure the field by global coordinates and local coordinates with the help of three methods – MLM (Machine Line Measurement), REM (Remote Elevation Measurement), Stake out and Resection. The participants were divided into four batches, each batch handled them with one Total station equipment sets in which three Total stations were Auto Level machine. They also extended their brief explanation on “Downloading the measured Data from Total Station, Volume Estimations, Development of maps, Drawing and Map creation using Auto CAD & Auto LIPS, GIS data collection techniques”

- Contouring - Characteristics, uses and methods.
- Measurements of areas and volumes using different methods.
- Topographic/Setting out works - buildings, curves.
- Project surveys - Highways, Railways and Waterways.

The training programme was attended by 169 students from Civil Engineering Department of Jansons Institute of Technology.



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**Mr.Mohanavizhiyan G Presto Land Surveying institute, Salem.**  
**Explaining about Modern Surveying in CC1 lab on 14.11.17**  
**11.115227315355321, 77.18806514342667**



**Students of Civil Engineering in “Workshop on Modern Surveying using**  
**Total station & GIS” on 14.11.17**  
**11.115582620916314, 77.18798199494988**



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<b>Outcomes</b>	The Students Understand the concepts of methods to determine time, longitude, latitude and azimuth
<b>Feedback</b>	Overall workshop was good
<b>Suggestions / Future actions</b>	Nil

*S.V. Hema Shargari*

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Ap/Civil Engineering

**Faculty In-charge**

*R. Jagadeesh Kumar*

Mr. R. Jagadeesh Kumar

**HOD/CE**

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