



Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659

Report

Name of the Program / Activity / Event / Others	One day workshop on Modern Surveying using Total Station
Date & No. of days	19.07.2018 & 1
Organized by	Department of Civil Engineering
In association with	ICI-JIT Students Chapter
Venue	Seminar Hall-T1, Field work
Participants/ Beneficiaries	Internal
Event brief (500 words with photo): <p>The Department of Civil Engineering in association with ICI-JIT Students Chapter organized one day workshop on Modern Surveying using Total Station by V.Saravanakumar, AP/Civil, JIT.</p> <p>The main aim of the workshop on the topic of “Modern Surveying using Total Station” 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. Principle of Theodolite, EDM (Electronic Distance Measurement), Data collector and Microprocessor.</p> <ul style="list-style-type: none">➤ EDM concepts, Station + Back Sight and Resection, Introduction to GPS - Spatial data.➤ Measuring of field by global coordinates and local coordinates with the help of MLM (Machine Line Measurement).➤ REM (Remote Elevation Measurement).➤ Stake out and Resection.➤ Downloading the measured Data from Total Station.➤ Volume Estimations and Development of maps. <p>The training programme was attended by 67 students from Civil Engineering Department of Jansons Institute of Technology.</p>	



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Students of Civil Engineering working on the modern surveying using Total station in JIT field
11.11531416786575, 77.18804636761644

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

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AP/CE

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