



DADI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, GV)

An Autonomous Institute

NH-16, Anakapalle – 531002, Visakhapatnam, A.P.

Phone: 9963981111, www.diet.edu.in, E-mail: info@diet.edu.in

Circular

Anakapalle

Dt: 31-01-2024

Department of CIVIL Engineering is hereby informed that, in view of feedback received from IV B.Tech CIVIL Students regarding skill enhancement and to improve the expertise of students in Total Station, HOD is advised to depute a faculty from CIVIL to design and develop a suitable course structure in line with basic skills which are essential for the surveyor to IV B.Tech Students with 15 working hours. Please ensure that this Add on course helps them to determine and evaluate the accuracy and precision of GPS RTK and TLS methods . Make arrangements to deliver the course from next week onwards.

Principal

Dadi Institute of Engineering and
Technology



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Department of CIVIL Engineering

ADD ON COURSE

SUBJECT: TOTAL STATION

Branch: CIVIL Engineering Year: IV Year

Batch: 2020-2024

AY: 2023-24

Duration:

2 weeks: 5/2/2024 to 22/2/2024

Overview & Need of the Course:

Everyone can become civil engineer but to become a good surveyor they need special skills and digital surveying techniques. Total station is one such instrument which has made survey much easier and user friendly. It works on the principle of electronic distance measurement techniques. Basic skills are essential for the surveyor for his carrier. We have given all inputs required for self-learning.

The objective of the Total Station survey:

Determine and evaluate precision of the reference network which can be served as a reference value for comparison with RTK and TLS

1. Determine and evaluate accuracy and precision of GPS RTK and TLS methods.



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2. Determine the cost (time expenditure) of the three methods.
3. Compare results of the methods based on RMS and standard deviation analysis.
4. Forward possible recommendations that can improve the precision and accuracy of the three measurement methods.

Requirements:

- Basic Knowledge on leveling.
- Basic Terminologies in surveying.

Course Contents

Chapter 1:

Introduction

Instrumentation

Accuracy of a Total Station

Accuracy & Precision

Total station can be used

Chapter 2:

Accessories for Total Station

Functions Performed By Total Stations

Chapter 3:

Operation of Total Station



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Remotely Operated Total Station (ROBOTIC)

Features Include:

Chapter 4:

Applications of Total Station

Uses of Total Station

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NAAC Accredited Institute & Inclusion under Section 2(f) & 12(B) of the UGC Act
NH-16, Anakapalle, Visakhapatnam, Andhra Pradesh
9963694444, 9963981111, www.diet.edu.in, info@diet.edu.in

Department of CIVIL Engineering

Presents
A 2 weeks Training Program
on
"TOTAL STATION"

Module Period: (05-02-2023 to 22-02-2023)

Course Instructor
Mr N. RAMU
Assistant Professor,
Department of CIVIL

Venue:
CIVIL LABS, DIET

About the Institute

Dadi Institute of Engineering & Technology is a top ranked Engineering and Management College affiliated to Jawaharlal Nehru Technological University, GV. The Institute is NAAC Accredited, ISO Certified and also associated with many professional bodies in the field of Engineering, Technology and Management. It strives to promote the highest standards among the students and enable them to Build a New World. Dadi Institute of Engineering & Technology is distinctive among institutions of higher learning. Founded in 2006 by Sri Dadi Veerabhadra Rao, an academican and former Minister as the first multicultural and co-educational college in Anakapalle which admits only academically promising students.

About CIVIL Department

The Department of Civil Engineering was established in the year 2011, with an annual intake of 60 students for B.Tech. Programme. Department also offers Diploma in Civil Engineering with an intake of 60 seats, which was established in the year 2013. The Civil Department is well equipped with spacious laboratories and experienced technicians. The department of Civil Engineering also offers various consultancy works. Apart from academic, the students get indulged in laboratory experiments with various consultancy works under the Civil Engineering Technology Association (CETA) Club Activities.

About the course

Every one can become civil engineer but to become a good surveyor they need special skills and digital surveying techniques. Total Station is one such instrument which has made survey much easier and user friendly. It works on the principle of electronic distance measurement techniques. Basic skills are essential for the surveyor for his good career. We have given all inputs required for self learning.



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Student List

SNO	HT.No	StudentName	
1	20U41A0101	SANAPATHI MAHENDRA KUMAR	CIVIL
2	20U41A0102	CHETTI SARVESH	CIVIL
3	20U41A0103	KALLA NEELIMA PRIYA AISWARYA	CIVIL
4	20U41A0104	PRABHA BHARATH SUBRAHMANYAM	CIVIL
5	20U41A0105	SURISSETTY SUJANA	CIVIL
6	20U41A0106	GOLAGANI GOWTHAM	CIVIL
7	20U41A0107	KANDREGULA SPANDANA	CIVIL
8	20U41A0108	NAKIREDDI RAM PRAVEEN	CIVIL
9	20U41A0109	SAMOJU GANGA BHAVANI	CIVIL
10	20U41A0110	KODA MATYA RAJU	CIVIL
11	21U45A0101	KUNCHA TEJA	CIVIL
12	21U45A0102	KUNIGANTI JAYARAM	CIVIL
13	21U45A0103	MALLA TARUN	CIVIL
14	21U45A0104	NIMMADALA TARUN	CIVIL
15	21U45A0105	MANTRI RAHUL WISEMAN	CIVIL
16	21U45A0106	SANIVADA SAI VINEELA	CIVIL
17	21U45A0107	MADETI LATHA SRI	CIVIL
18	21U45A0108	BODDU PADMA	CIVIL
19	21U45A0109	KANCHUPATI CHAITANYA SAI GANESH	CIVIL
20	21U45A0110	PENNINTI JANA KUMAR	CIVIL



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21	21U45A0112	DODDI SRIVIDYA	CIVIL
22	21U45A0113	ANAKAPALLI NARSINGH	CIVIL
23	21U45A0114	MUNTHA JOHNY	CIVIL
24	21U45A0115	TATIKONDA VASU	CIVIL
25	21U45A0116	PAILA RAJESWARI	CIVIL
26	21U45A0117	ANNAVARAPU PRAVALLIKA	CIVIL
27	21U45A0118	KOVIRI MAHESH	CIVIL
28	21U45A0119	SANIVADA JASMITHA	CIVIL
29	21U45A0120	ALLA SOWJANYA	CIVIL
30	21U45A0121	KATAPALLI AJAY	CIVIL
31	21U45A0122	AVURU SRINIVAS	CIVIL
32	21U45A0123	BODDEDA VINAY	CIVIL
33	21U45A0124	DONADRI VENKATA UDAY KUMAR	CIVIL
34	21U45A0125	POTHURAJU JASWANATH	CIVIL
35	21U45A0126	KESAMSETTI PRADEEP	CIVIL
36	21U45A0127	AYATH NAZEEM	CIVIL
37	21U45A0128	MOLLI JAHNAVI	CIVIL
38	21U45A0129	NAGUMALLA PRATHYUSHA	CIVIL
39	21U45A0130	VEGI JAGAN	CIVIL



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Time Table:

OFFLINE Classes Schedule

Time Table for IV B.Tech CIVIL – II semester- (2023-24)

wef 05/02/2024

Class Teacher – Mr.O Suresh Kumar(OMMI SURESH
<sureshommi@diet.edu.in>-6303034527)

TIMINGS / DAY	09:00-09:50	09.50 to 10.40	10.40am to 11.00am BREAK	11:00-11:50	11:50-12:40	12.40pm to 1.30 pm	1:30-02:20	02:20-03:10	03:10-04:00
MON	ESC	DMM		ESC	TOTAL STATION			PROJECT	
TUES	GIT	DMM		GATE	TOTAL STATION		PROJECT		
WED	DMM	GIT		ESC	TOTAL STATION		GIT	GATE	GATE
THUR					TOTAL STATION				
FRI					TOTAL STATION				
SAT					TOTAL STATION				

Sl.No	Sub Code	Subject Name	No of Periods	Name of the faculty
THEORY				
1		ESC	4	Mr. B Sudheer



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2			3	Mr. B Sudheer
3		DMM	3	M Guptha
4		GIT	3	M kedhare swari
5		TOTAL STATION	6	N Ramu

Attendance



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DEPARTMENT OF ENGINEERING & TECHNOLOGY

Class : IV B.Tech II Semester

Students List

S.No	Roll Number	Name of the Student	Branch
1	20U41A0101	SANAPATHI MAHENDRA KUMAR	CIVIL
2	20U41A0102	CHEITI SARVESH	CIVIL
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33	21U45A0124	DONADRI VENKATA UDAY KUMAR	CIVIL	uday	uday	uday	uday	uday	uday	uday	uday	uday	uday
34	21U45A0125	POTHURAJU JASWANTH	CIVIL	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth	jaswanth
35	21U45A0126	KESANSETTI PRADEEP	CIVIL	pradeep	pradeep	pradeep	pradeep	pradeep	pradeep	pradeep	pradeep	pradeep	pradeep
36	21U45A0127	AYATH NAZEEM	CIVIL	nazeem	nazeem	nazeem	nazeem	nazeem	nazeem	nazeem	nazeem	nazeem	nazeem
37	21U45A0128	MOLLI JAHNAVI	CIVIL	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi	jahnavi
38	21U45A0129	NAGUMALLA PRAITHYUSHA	CIVIL	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha	prathyusha
39	21U45A0130	VEGI JAGAN	CIVIL	jagan	jagan	jagan	jagan	jagan	jagan	jagan	jagan	jagan	jagan

Dept. of Civil Engineering
 Dadi Institute of Engg & Tech
 Anakapalle - 531 002



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Duration Of Course: 2 Weeks (15 Periods)

Feedback reports

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Institute

STUDENT FEEDBACK FORM

Dear Candidate,
Your feedback is critical for the Institute to ensure that we are meeting your educational needs. We would appreciate if you could take a few minutes to share your opinions with us so that we can serve you better.

Title of the Activity: Sotal station
Date/Duration: 2 weeks Instructor/Coordinator: M.D.N. RAMU

	1	2	3	4	5	Feedback/Suggestions
1. The content was as described in Publicity Material					<input checked="" type="checkbox"/>	5
2. The program was helpful in practical understanding					<input checked="" type="checkbox"/>	5
3. I will recommend this course/workshop program to relevant conservators across our campus					<input checked="" type="checkbox"/>	5
4. The program was well placed within allotted time					<input checked="" type="checkbox"/>	5
5. The instructor was an effective communicator					<input checked="" type="checkbox"/>	5

Please return this form to the Course Instructor/Organizer/Coordinator at the end of the workshop/add-on course/Training Program

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Course Completion Certificate






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Course Completion Certificate

THIS CERTIFICATE IS GIVEN TO

KANDREGULA SPANDANA

FOR SUCCESSFUL COMPLETION OF 2 WEEKS COURSE ON
TRAINING ON TOTAL STATION FROM 05-02-2023 TO 22-02-2023

 _____ MR. N.RAMU Coordinator	 _____ Dr. R.VAIKUNTA RAO Principal	 _____ Sri Dadi Ratnakar Chairman
--	--	--

VISAKHAPATNAM, ANDHRA PRADESH, DIET.EDU.IN



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THIS CERTIFICATE IS GIVEN TO

VEGI JAGAN

FOR SUCCESSFUL COMPLETION OF 2 WEEKS COURSE ON
TRAINING ON TOTAL STATION FROM 05-02-2023 TO 22-02-2023

MR. N.RAMU
Coordinator

Dr. R.VAIKUNTA RAO
Principal

Sri Dadi Ratnakar
Chairman



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