



# MALLA REDDY ENGINEERING COLLEGE

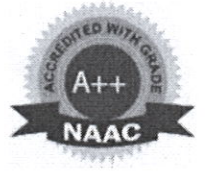
(An UGC Autonomous Institution, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad).

Accredited by NAAC with 'A++' Grade (Cycle- III), NBA Tier –I Accredited

(B.Tech – CE, EEE, ME, ECE & CSE, M.Tech – CSE, Electrical Power Systems, Thermal Engg.)

IIC – Four Star Rating, NIRF- Innovation Rank Band 101-150,

Maisammaguda(H), Medchal - Malkajiri District, Secunderabad, Telangana State – 500100, [www.mrec.ac.in](http://www.mrec.ac.in)



## DEPARTMENT OF CIVIL ENGINEERING

Date:20.01.2023

To

The Principal,  
MREC,  
Maisammaguda.


**Subject:** Permission for Organising Value Added Course – Request-Reg.

Respected Sir,

We are planning to organise one-week Value Added Course titled “SURVEYING USING TOTAL STATION” from 6<sup>th</sup> February 2023 to 11<sup>th</sup> February 2023 for the students of II Year Civil Engineering. In this regard, we request your permission to conduct the Value Added Course.

Thanking You

Yours faithfully,

  
CE-HOD



  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-bad-500100.



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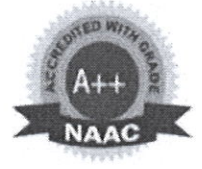
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## DEPARTMENT OF CIVIL ENGINEERING

Ref: MREC/CE/VAC/2022-23/04

Date: 03.02.2023


### CIRCULAR

The Department of Civil Engineering is organizing value added course on “SURVEYING USING TOTAL STATION” from 6<sup>th</sup> February 2023 to 11<sup>th</sup> February 2023. The resource person for the program is Dr.G.K.Arun Vivek, Professor/HOD, Department of Civil Engineering, Sri Sakthi Institute of Engineering and Technology, Coimbatore.

All the students must register for the training program by consulting the coordinator Mr.S.Bhoomesh, Assistant Professor, Department of Civil Engineering. The detailed schedule will be displayed on the department notice board.

  
HOD-CIVIL



  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-bad-500100.

**Department Vision:** To be a premier center of professional education and research, offering quality programs in a socio-economic and ethical ambience.



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## DEPARTMENT OF CIVIL ENGINEERING

### VALUE ADDED COURSE

*on*

### SURVEYING USING TOTAL STATION

DATE: 06.02.2023 to 11.02.2023

### SCHEDULE

Sl. No.	Date and Time	Time	Topics
1.	Monday	10.00AM to 4.00PM	Total Station Overview, Instrument Setup
2.	Tuesday	10.00AM to 4.00PM	Instrument Setup and Calibration
3.	Wednesday	10.00AM to 4.00PM	Survey Control, Field Procedures
4.	Thursday	10.00AM to 4.00PM	Coordinate Systems and Data Collection
5.	Friday	10.00AM to 4.00PM	Data Processing, Accuracy and Error Sources
6.	Saturday	10.00AM to 4.00PM	Quality Assurance and Quality Control

  
HOD-CIVIL

  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-bad-500100.



**Advisory Committee:**

**Chief Patrons:** Sri.Ch.Malla Reddy, Minister-  
Telangana State-India.  
Founder Chairman

**Patrons:** Malla Reddy Group of Institutions  
Sri.Ch.Mahender Reddy  
Secretary, MRGI

**Dr.Ch.Bhadra Reddy**  
President, MRGI

**Co-Patrons:** **Dr.A.Rama Swami Reddy**  
Principal, MREC(A)

**Convener:** **Dr.J.Selwyn Babu, HOD/Civil**  
**Coordinator:** **Mr.S.Bhoomesh**  
Assistant Professor/Civil

**Organizing Committee:**

**Dr.J.Selwyn Babu, Professor, Civil**  
**Dr.J.Rex, Associate Professor, Civil**  
**Dr.C.Srinivas Gupta, Professor, Civil**  
**Dr. B.Sudharshan Reddy, Professor, Civil**  
**Dr.Sargunan, Assoc. Prof., Civil**  
**Dr.P.Saritha, Associate Professor, Civil**  
**Dr.Selin Ravikumar, Associate Professor, Civil**  
**Mrs.K.Harshada, Assistant Professor, Civil**  
**Mrs.D.V.Tanuja, Assistant Professor, Civil**  
**Mr.B.Vamsi Krishna, Assistant Professor, Civil**  
**Mr.P.Ram Prasanna Kumar Reddy, AP, Civil**

**Registration Form:**

*Skill development Course*  
(Value added Course)  
**On**

**"Surveying Using Total Station"**  
(6<sup>th</sup> February to 11<sup>th</sup> February 2023)

- 1.Name.....
- 2.Roll No.....
- 3.Department.....
- 4.Mailing address.....
- 5.Mobile.....
- 6.Email.....

**Signature of the Applicant**

**Date:**

**Place:**

**This is to certify that**

**Mr/Ms.....of.....**  
**is sponsored to attend the Value Added**  
**Course**

**Signature of the Institution with Seal**

**Date:**  
**Place:**

**Principals College**

**Malla Reddy Engng. Shulapally,**

**Maisammaguda, Sec-16d-500100.**

**(Post Via Kompally)**



*Skill development Course*  
(Value added Course)  
**On**

**"Surveying Using Total Station"**  
(6<sup>th</sup> February to 11<sup>th</sup> February 2023)



**Organized by**

**Department of Civil Engineering**  
**MALLA REDDY ENGINEERING COLLEGE**  
(AUTONOMOUS) MAIN CAMPUS  
**An UGC Autonomous Institution, Approved by**  
**AICTE & Affiliated to JNTUH-Hyderabad**  
**Reaccredited by NAAC with 'A' Grade (II Cycle)**  
**Maisammaguda(H), Gundlupochampally (V),**  
**Medchal (M), Medchal - Malkajgiri District**  
**Telangana - 500100, India.**



#### About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. MREC(A) is part of Malla Reddy Group of Institutions (MRGI), founded by Sri.Ch.Malla Reddy, currently Hon'ble Minister, Labor & Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Medchal-Malkajgiri District Telangana-500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by Dr.A.Ramaswami Reddy, Principal, MREC(A) who have a rich teaching and industrial experience.

#### Vision of the Department:

To establish a center of excellence in Civil Engineering with research and innovative technical skills with ethical ambience.

#### Mission of the Department:

- To impact quality education and research to undergraduate and postgraduate students in civil Engineering to produce entrepreneurs, professionals, scientists and bureaucrats.
- To impart conceptual and practical education in advanced technologies, keeping in view socio-economic and ethical needs.

- To enhance research and consultancy activities in collaboration with government, public and private sector units.

#### About the Department:

The Department of Civil Engineering at MREC has been producing high quality technical manpower needed by industry, R&D organizations, and academic institutions since 2004 with an Intake of 60. The intake has been increased to 120 in the year 2009 and 180 in the year 2014. The Department started offering M.Tech with Structural Engineering specialization in 2010 with an intake of 18, two more courses at P.G level- geotechnical engineering and transportation engineering are being offered from the academic year 2013-2014 with an intake of 24 each. The department was accredited by NBA in the year 2014.

#### Overview of the Programme:

The primary responsibility of student is not only to study towards a higher vision but also create a strong sense of bonding between the institution and the students to nurture a stress-free holistic environment.

To enhance the quality of life for the students enabling them to introspect and learn techniques that imbibe ethics & morals in their teaching and help prepare students for active and successful participation in a modern society, producing individuals of high character, probity and honor.

Proposed VAC is helping to imbibe the skills and competencies required to achieve goals directed by values, to maintain and enhance faculty effectiveness by inculcating dynamism and leadership qualities and to develop commitment and ethical approach towards work, and instill a sense of responsibility towards the institution. Also to enhance communication and soft skills, by introducing innovative teaching methodologies and developing an inter-personal connection with students. To achieve this goal, Art of Living foundation is conducting this workshop through ATAL.

#### Objectives of the Programme:

- ❖ To imbibe the skills and competencies required to achieve goals directed by values.
- ❖ To maintain and enhance student effectiveness by inculcating dynamism and leadership qualities.
- ❖ To develop commitment and ethical approach towards work, and instill a sense of responsibility towards the companies.
- ❖ To enhance communication and soft skills of the students by introducing innovative methodologies and developing an interpersonal connection.

#### Topics to be covered:

- ❖ Average of multiple angles measured
- ❖ Average of multiple distance measured.
- ❖ Horizontal distance
- ❖ Distance between any two points
- ❖ Elevation of objects and
- ❖ All the three coordinates of the observed points

#### Test and Certificate:

A test will be conducted at the end of the program and the certificates shall be issued to those participants.

#### Outcome of the Program:

On successful completion of this course student will be able

- ❖ Use and operate Theodolite in the field
- ❖ Apply the knowledge of Theodolite in different Operations in civil engineering projects.
- ❖ Apply the knowledge of principles and purpose of Tacheometry in finding out the constants
- ❖ Formulate the setting out of curve by linear and angular methods.
- ❖ Use total station in the field of civil engineering land survey.



**MALLA REDDY ENGINEERING COLLEGE (Autonomous)**

**DEPARTMENT OF CIVIL ENGINEERING**

**STUDENTS REGISTERED LIST FOR "SURVEYING USING TOTAL STATION"**

<b>6TH FEB 2023 TO 11 FEB 2023</b>		
<b>S.No.</b>	<b>Roll No.</b>	<b>Name of the student</b>
1	21J41A0101	ADEBOINA ANIL KUMAR
2	21J41A0102	AJMEERA JAYANTHI NAIK
3	21J41A0103	ALLU JOHN ZBULEN
4	21J41A0104	AMMANA NISTHULA REDDY
5	21J41A0105	AZMEERA SUJATHA
6	21J41A0106	BANOTH SANTHOSH
7	21J41A0109	BHUKYA VIKRAM NAIK
8	21J41A0110	BONGARAM MADHUMOHAN
9	21J41A0111	DASARI KIRANMAI
10	21J41A0112	DHARA MANISH REDDY
11	21J41A0113	EDURUGATLA GANESH
12	21J41A0114	ESLAVATH THARUN
13	21J41A0115	GANAMALA SUDHARSHAN
14	21J41A0117	GEDDAM FRANCIS ISAAC
15	21J41A0118	GOTTAPU YESWANTH KUMAR
16	21J41A0119	GUDUMALA HARSHA VARDHAN
17	21J41A0120	GUMASA ANJI
18	21J41A0123	JATOTH HARSHAVARDHAN TEJA
19	21J41A0133	NAMANI MANJUSHA
20	22J45A0101	GOPIDI SNEHA LATHA
21	22J45A0102	MARIKANTI PRANAY
22	22J45A0103	GONE AKSHITHA
23	22J45A0104	DHARAVATH SHIRISHA
24	22J45A0105	MYAKALA MAMATHA
25	22J45A0106	RAJALINGOLLA SAI RENU SRI
26	22J45A0107	ASHABOINA HARSHA VARDHAN
27	22J45A0108	J HARSHRAJ
28	22J45A0109	LINGALA CHARAN GOUD
29	22J45A0116	VADTHYA ABHINAYA
30	21J41A0124	KETHAVATH PAVAN KUMAR
31	21J41A0125	KOTAMARTHI SAIRAM
32	21J41A0126	KOTHURI ADITHYA
33	21J41A0128	LINGALA SAI KIRAN
34	21J41A0129	METHRI KIRAN KUMAR
35	21J41A0131	NAGAVELLI VIRAT CHARY
36	21J41A0132	NAIK LOHITH
37	21J41A0134	NAYAKUNI NITHIN
38	21J41A0135	NUKALA SHIVA KUMAR

  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-6ad-500100.

39	21J41A0136	ODDI CHANDU
40	21J41A0137	PATEL CHETHAN
41	21J41A0138	PITTALA CHANDU
42	21J41A0140	SAHU MANOJ KUMAR
43	21J41A0141	SHAIK RAYYAN
44	21J41A0143	RUSTI DATTA CHARAN
45	21J41A0144	VEDANT S. SAUDAGAR
46	21J41A0145	VIVEK CHOWHAN LAVUDYA
47	21J41A0147	YAARLAGADDA SHANMUKH
48	21J41A0148	YERUVA ABHINAV SAI
49	21J41A0149	HALLURI SHIVA SAI
50	22J45A0110	PENTAM LOHITH
51	22J45A0111	M SAI NIVAS
52	22J45A0112	YALADHANDI VARUN
53	22J45A0113	DEGALA RAKESH
54	22J45A0114	SALLA VAMSHI
55	22J45A0115	MUPPIDI OMKAR
56	22J45A0117	ARE NITHIN


18/19  
Principal  
Malla Reddy Engineering College  
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**MALLA REDDY ENGINEERING COLLEGE (Autonomous)**

**DEPARTMENT OF CIVIL ENGINEERING**


**STUDENTS ATTENDED LIST FOR "SURVEYING USING TOTAL STATION"**

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53	22J45A0117	ARE NITHIN

  
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## DEPARTMENT OF CIVIL ENGINEERING

### REPORT ON INTRODUCTION TO SURVEYING USING TOTAL STATION

*Conducted from 06.02.2023 to 11.02.2023*

**Resource Person:** Dr.G.K.Arun Vivek, Professor and Head, Sri Shakthi College of Engineering, Coimbatore.

**Department Coordinator:** Mr.S.Bhoomesh, Associate Professor, Civil Dept. MREC.

The report on surveying using total station encapsulates essential aspects crucial for precise land measurement and data acquisition. It encompasses comprehensive coverage of total station operation, including instrument setup, calibration, and field procedures such as traversing, staking out points, and data collection. The report delves into the significance of establishing survey control points for accurate positioning and references throughout projects, emphasizing adherence to various coordinate systems for consistency. Additionally, it discusses data processing techniques for accuracy enhancement and error mitigation strategies, crucial for reliable survey outcomes. Safety considerations during total station operation are underscored, alongside quality assurance measures to ensure data integrity. Ultimately, the report highlights the versatility of total station applications across boundary surveys, topographic mapping, construction layout, and monitoring, underscoring its pivotal role in modern surveying practices.

Coordinator

HOD-CIVIL

Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-bad-500100.





## MALLA REDDY ENGINEERING COLLEGE

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**Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.**

# CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. RUSTI DATTA CHARAN bearing Roll


No. 21J41A0143 has successfully completed Certificate / Value Added Course

/ Workshop in SURVEYING USING TOTAL STATION conducted by the

Department of Civil Engineering from 06.02.2023 TO 11.02.2023

HOD



  
Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-bad-500100.

PRINCIPAL



## MALLA REDDY ENGINEERING COLLEGE

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**Maisammaguda, Dhulapally (Post via Kompally), Secunderabad - 500 100.**

# CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. NAYAKUNI NITHIN bearing Roll

No. 21J41A0134 has successfully completed Certificate / Value Added Course

/ Workshop in SURVEYING USING TOTAL STATION conducted by the

Department of Civil Engineering from 06.02.2023 TO 11.02.2023

HOD



Principal  
**Malla Reddy Engineering College**  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec-had-500100.

PRINCIPAL