

**DR. AKHILESH DAS GUPTA INSTITUTE OF TECHNOLOGY & MANAGEMENT**

**DEPARTMENT OF CIVIL ENGINEERING**

**Webinar on “Surveying”**

**Dated:** 23<sup>rd</sup> October, 2021

**Department:** Department of Civil Engineering

**Objectives:** To brief students about the practical applications of surveying and its importance for Gate and ESE.

**Speaker:** Mr. Pradeep Raghu, Senior Faculty, ACE Engineering Academy.

**Activities Undertaken:** The Department of Civil Engineering, ADGITM, conducted a webinar on the topic “Surveying” in association with ACE Engineering Academy. The guest speaker, Mr. Pradeep Raghu, NIT Warangal Alumnus, with an experience of over 5 years of Gate and ESE teaching, shared his insight on the topic. The session witnessed participation of faculty members and students from the Department. A total of 120 participants attended the session. The session was concluded with an interaction between participants and the guest speaker.

**Resource Persons:** Prof. (Dr.) Sanjay Kumar, Ms. Shikha Sachan (DI), Ms. Aarushi Gupta (Event Coordinator).

**Outcome:** The session opened with practical applications of Survey subject and its percentage in various competitive exams followed by basic introduction related to various survey topics was given and topics such as basic measurement, objectives, principles of survey, Sensitivity of Bubble tube, Shrinkage scale etc were highlighted and at last a brief overview of Gate subject weightage was discussed. Mr. Pradeep Raghu, with several years of experience in teaching shared his knowledge and experience in Survey Engineering and encouraged young engineers to prepare well for competitive exams.

**Beneficiaries:** Faculty members and students from Civil Engineering Department.

**Dr. Akhilesh Das Gupta Institute of Technology & Management**  
New Delhi  
(formerly Northern India Engineering College)  
Approved by AICTE & Affiliated to GGSIP University BBD GROUP  
FC - 26, Shastri Park, New Delhi 110053

**Department of Civil Engineering**  
organizes a  
Webinar  
on  
**SURVEYING**

In association with  
**Speaker:**  
  
**MR. PRADEEP RAGHU**  
NIT Warangal Alumnus  
5+ Years ESE & GATE  
Teaching Experience

 x **DEEP LEARN**  
ACE Engineering Academy  
Leading institute for ESE/GATE/PSUs  
**11:30 AM Onwards,**  
**23rd October, 2021**

Please register using  
**QR code:** 

*Poster of Guest Lecture on “Surveying”*

Zoom Webinar

Luv Grover 356... Pradeep Raghu Sandeep Singh... A

Recording...

Def.  
 Art & science of expressing the relative positions of objects lying just above or just below or on the surface of the Earth.

Basic Measurements.

- 1) Horg. distance ✓
- 2) Horg. Angles ✓
- 3) Vertical distance ✓
- 4) Vertical angle ✓

Objectives.

- 1) To prepare maps & plan.
- 2) Calculate areas & volumes.

Participants (123)

Panelists (4) Attendees (118)

Q Search

- MG Madhav gambhir
- MY Manish Yadav(049)
- MA MAURVA ATB
- MA Md Arman (005)
- MS Md Saquib Akhter
- MF Mohammad Farhan 032
- MS Mohan Shyam Aggarwal 048
- MX Mohit Kumar 405
- MG mridul gautam 358
- NW NAJIMUL WARIS 111 03015603418
- NS Ninuj Sudhakar
- NK Nishant Kumar (045)
- NK NISHANT KUMAR GAUTAM (012)
- NT Nitin Thapliyal (011)
- PP Parasram Pandit
- PS Pulkit Shokeen 033

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11:58 AM 23-10-2021

Zoom Webinar

You are viewing Pradeep Raghu's screen View Options

Luv Grover 356... Pradeep Raghu Sandeep Singh... A

Recording...

Principles of surveying

1) To work from whole to part.

Part to whole

120m

30m Chain

R, S, T.

$P \rightarrow W \rightarrow S$

$P \rightarrow W \rightarrow T$

$PQ = PR'S'T'Q$

Participants (121)

Panelists (4) Attendees (117)

Q Search

- FA F12, Abhay Giri 42915603410
- GR Geetansh Rastogi 042
- H3 Harashita 34
- HC Harsh chaturvedi 414 F12
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- HT Harshvardhan tyagi
- IK Itham Khan (406, F-12)
- U Ishant Jain (03315603418 - F11B)
- JG Jagrit Goel
- J Jaskaran
- KG Keshav Gupta
- KS Komal Singh 417 F12e
- L Labhay
- LM Lakshay Mishra (013)
- MG Madhav gambhir
- MY Manish Yadav(049)

Unmute Start Video

Participants 121 Q&A Share Screen Raise Hand

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12:16 PM 23-10-2021

Zoom Webinar | You are viewing Pradeep Raghu's screen | View Options

Participants: Luv Grover 356..., Pradeep Raghu, Sandeep Singh, ACE A..., Aarushi Gupta

Recording...

2) Location of a point should be wrt measurements taken from atleast two well-defined points.

i)  $c(l_1, \theta_1)$  Polar coordinate

ii) Triangulation system, Geodetic surveying

iii)  $c(l_1, l_2)$  Trilateration, GPS

iv) Rectangular coordinate, Total Station

Participants (115) | Panelists (4) | Q Search | 12:34 PM 23-10-2021

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Participants: Luv Grover 356..., Pradeep Raghu, Sandeep Singh, ACE A..., Aarushi Gupta

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25-20

### Important subjects for GATE - CE

Subject	2012	2013	2014	2015	2016	2017	2018	2019	2020
General Aptitude	15	15	15	15	15	15	15	15	15
Engg. Maths	13	8	8	13	14	13	12	10	13
Geotechnical Engineering	15	14	12	14	14	13	14	14	14
Environmental Engineering	10	8	9	8	10	11	10	10	11
Transportation Engineering	9	9	10	8	6	8	9	10	10
Strength of Materials	10	9	9	6	4	8	8	6	8
FM & HM	5	9	13	9	7	7	7	8	8
Structural Analysis	0	9	8	6	7	6	6	6	3
RCC	8	5	6	7	4	5	8	4	5
Surveying	3	5	5	6	4	4	4	5	4
Hydrology	7	6	2	4	3	4	4	4	2
Design of Steel Structures	3	1	1	2	2	2	2	4	2
Irrigation	2	2	2	2	2	2	1	1	3
Constru. Materials & Mgmt.					4	3		3	2

Participants (116) | Panelists (4) | Q Search | 12:39 PM 23-10-2021

Faculty Members and Students, Department of Civil Engineering, ADGITM during the session



6AM 9AM 12PM 3PM 6PM 9PM 12AM 3AM

**College & University**

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**ADGITM formerly Northern India Engineering College, New Delhi**

October 19 at 10:52 AM · 🌐

Dated: 23rd October 2021  
 Department: Department of Civil Engineering  
 Objectives: To brief students about Surveying in Civil Engineering  
 Speaker: Mr. Pradeep Raghu, NIT Warangal Alumnus, 5+ Years ESE/GATE Teaching Experience, ACE Engineering Academy, New Delhi  
 Resource Persons: Prof. (Dr.) Sanjay Kumar, Ms. ShikhaSachan (DI), Ms. Aarushi Gupta (Event Coordinator)... See More

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