

K.L. DEEMED TO BE UNIVERSITY

DEPARTMENT OF CIVIL ENGINEERING

One Week Online FDP

Engineering with Geosynthetics

In Association with



Geosynthetics
Technology

Advisory
Services, Jaipur



Landmark Material
Testing &

Research Laboratory,
Jaipur

Attended by

Civil Engineering Faculty

Dated: 13th to 18th July, 2020, **Time:** 09:30 AM to 4:30 PM, **Venue:** Online

We are happy to inform you that the Department of Civil Engineering, successfully organized an online Faculty Development Programme.

The Welcome note was presented by Dr. Hamim Syed, Assistant Professor, Civil Engineering Department then after our respected HoD Dr. Ch. Hanumantha Rao has given a brief note about our department and this FDP on **Geosynthetics in Water Resources** to all participants. The

Inaugural Address was given by Er. CSN Murthy, Chief Engineer, (R&B), APTDC and **Prof. G. Venkatappa Rao**, Chairman, GTAS & LRL (GD).

About the FDP:

From waterfront to roadbed, from foundations on soft soils to landslide control, from waste disposal systems to water reservoirs, geosynthetics have found an important place for themselves in civil engineering infrastructure projects. They have become an integral part of the solution to many construction engineering problems. They emerged as significant innovation in the geotechnical, geo-environmental, water resources and pavement systems. Now India manufactures international quality products. We have also gained some experience in using them. Yet the understanding of the multifarious applications of design, construction, and specification is not common knowledge. To fill this gap, the Department of Civil Engineering, K L Deemed to be University in association with Geosynthetic Technology Advisory Services, Jaipur (GTAS) and Landmark Material Testing and Research Laboratory, Jaipur (LRL) with other industry experts prepared the course content such that the field experience of engineering with Geosynthetics with various case histories is planned as a course which is equivalent to a three credit UG or PG course. Practicing Engineers, geotechnical consultants, faculty, research scholars, PG and UG students can attend the program.



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Inaugural Session - 1

13th July, 9:30 – 10:30 AM

by



Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



Er. CSN Murty,
Chief Engineer(R&B),
APTDC

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Session 2

Geosynthetics - Introduction

13th July, 10:30 – 11:30 AM

by

Prof. G. Venkatappa Rao,
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Session 3

Geosynthetics Applications

13th July, 11:30 – 12:30 PM

by

Prof. M. Venkataraman,
CEO, GTAS.



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Session 4

Principles of Soil Reinforcement

13th July, 12:30 – 01:30 PM

by

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Session 5

Geosynthetics types in India

13th July, 02:30 – 03:30 PM

by

Mr. Saurabh Vyas,
Head Designs, Techfab India.



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QUIZ/Q&A - Session 6

13th July, 03:30 – 04:30 PM

by



Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



Prof. M. Venkataraman,
CEO, GTAS.

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Session 7 -8

Geosynthetics Testing

14th July, 9:30 – 11:30 AM

by

**Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)**



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Session 9-10

GSRW - Design

14th July, 11:30 – 01:30 PM

by

Dr. Jimmy Thomas,
COO, GTAS.



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Session - 11

Geosynthetics Design - Problem Solving

14th July, 02:30 – 03:30 PM

by

Dr. Jimmy Thomas,

COO, GTAS.

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Session 12

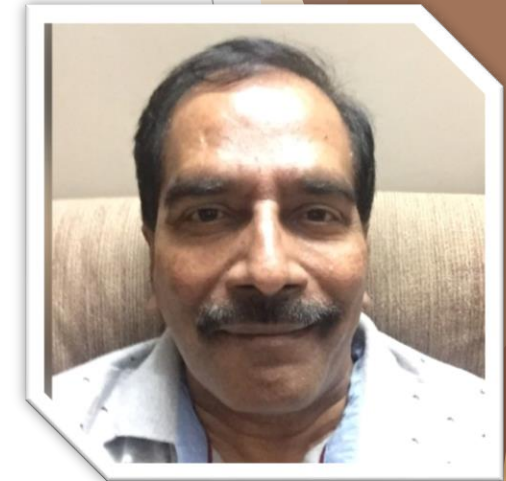
GSRW construction

14th July, 03:30 – 04:30 PM

by

Mr. D.V. Bhavanna Rao,
Former, CE, Govt of A.P.

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Session 13 - 14

Long Term Design Strength & Case Studies

15th July, 9:30 – 11:30 AM

by

Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



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Session 15

Reinforced Slopes

15th July, 11:30 – 12:30 PM

by

Kolli Mohan Krishna,
IIT-Gandhinagar.



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Session 16

Construction/ Case Studies of Slopes

15th July, 12:30 – 01:30 PM

by

Prof. M. Venkataraman,
CEO, GTAS.



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Session 17

Seismic Stability of GSRSS

15th July, 02:30 – 03:30 PM

by

Ch. Hanumantharao,
Prof. & HoD-CE, KL



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Session 18

15th July, 03:30 – 04:30 PM

Design Numerical problem solving

by

Dr. Jimmy Thomas,
COO, GTAS.

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Session 19 - 20

Geosynthetic Pavements

16th July, 9:30 – 11:30 AM

by

Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



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Session 21

Design of GS Pavements

16th July, 11:30 – 12:30 PM

by

Kolli Mohan Krishna,
IIT-Gandhinagar.



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Session 22

Case Studies on Reinforced Slopes

16th July, 12:30 – 01:30 PM

by

Er. Satish Naik,

Director, Best Geotechnics Pvt.Ltd.

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Session 23

Recycled Asphalt Pavement

16th July, 02:30 – 03:30 PM

by

Mrs. Atasi Das,

Senior GM, GR Infra, Gurugram



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Session 24

Numerical problems on Geosynthetic Pavements

16th July, 03:30 – 04:30 PM

by

Kolli Mohan Krishna,
IIT-Gandhinagar.



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Session 25 - 26

Basal Reinforcement & GS BT Pavements

17th July, 9:30 – 11:30 AM

by

Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



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Session 27 - 28

Coastal & River bank protection

17th July, 11:30 – 01:30 PM

by

**Prof. M. Venkataraman,
CEO, GTAS.**



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Session 29

GS in Water Resources Case studies

17th July, 02:30 – 03:30 PM

by

Mr. Vivek Kapadia,
Director, SSNL, Govt of Gujarat.



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Session 30

Case Studies

17th July, 03:30 – 04:30 PM

by

Mr. Saurabh Vyas,
Head Designs, Techfab India.



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Session 31

Coir GT for Erosion Control & LVR

18th July, 9:30 – 10:30 AM

by

Prof. G. Venkatappa Rao,
Chairman, GTAS & LRL (GD)



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Session 32

PVD: Prefabricated Vertical Drains

18th July, 10:30 – 11:30 AM

by

Mrs. Dola Roychowdhury

Founder Director at G-CUBE Consulting Engineers LLP



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Session 33 - 34

Engineered Landfills

18th July, 11:30 – 01:30 PM

by

Prof. M. Venkataraman,
CEO, GTAS.



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Session 35

Geosynthetics in Water Resources

18th July, 02:30 – 03:30 PM

by

Dr. I.S.N. Raju,

Former Chief Engineer I&CAD (GoAP)

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Session 36

Speaker & Participants Interaction

18th July, 03:30 – 04:30 PM

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