

Report on Expert Talk held on 20th February 2022

Date of Event	20th February 2022
Name and Type of Event	Expert talk on “Utilization of Soil Reinforcement for Pavement” by Dr. Akash Priyadarshee, MIT Muzaffarpur
Conducted by	Mr. Maniranjana Kumar
Number of Participants	30

Expert talk on “Utilization of Soil Reinforcement for Pavement”

The Resource person Dr. Akash Priyadarshee is presently working as an Assistant Professor in the Department of Civil Engineering, Muzaffarpur Institute of Technology Muzaffarpur, Bihar.

The session was very valuable for B.Tech. & Polytechnic Civil Engineering Students. Utilization of Soil Reinforcement for Pavement is explained in details. He had also described Reinforcement soil embankment using geogrids in Okhla flyover case. During this expert lecture he had covered most of the portion of Geotechnical Engineering and explained all the topic. So this expert lecture was very informative for civil Engineering students.

About the Speaker:-

The Resource person Dr. Akash Priyadarshee is presently working as an Assistant Professor in the Department of Civil Engineering, Muzaffarpur Institute of Technology Muzaffarpur, Bihar. He has completed his PhD degree from IIT Guwahati in 2013.

Venue and Participants:-

The Lecture was conducted on google Meet. Total participants attended were 30 from B.Tech & Poltechnic Civil Engineering Students.

Event Poster

Expert Talk on

Utilization of Soil Reinforcement in Pavement

JGI
ARKA JAIN University
Jharkhand (Jamshedpur)

Organised by:
Department of Engineering
School of Engineering & IT

Speaker

Mr. Priyadarshee
Assistant Professor,
Civil Engineering
Department, Muzaffarpur
Institute of Technology,
Muzaffarpur

**For: B.Tech & Polytechnic
Civil Engineering Students**

Date: 20th Feb 2022
Time: 9:00-10:00 AM.

Contact: Mr. Maniranjana Kumar | Call: 8340729450 | Email: maniranjana.k@arkajainuniversity.ac.in

Alkash Priyadarshi is presenting

Few Examples of NHAI Projects

Project	Purpose	Quantity
Vishakhapatnam	In Marly Stubby Soils	1,08,100 sq m
Vallurpadam Cochin	Geotextile (non woven) as separation filtration layer	4,30,200 sq m
Tuticorin	Below sub-grade	2,55,000 sq m
Paradip	(i) for high embankment over band drains (ii) below sub-grade	1,04,250 sq m 49,840 sq m
JNPT Package II (SH-54 & Aaram Marg)	Woven geotextile below embankment	64,600 sq m

11:43 AM | Expert Lecture on "Utilization of Soil Reinf..."

Alkash Priyadarshi is presenting

Elements of a GT or GG Wall Design

11:27 AM | Expert Lecture on "Utilization of Soil Reinf..."

Alkash Priyadarshi is presenting

Reinforced Soil Embankment Using Geogrids - Okhla Flyover

- First geogrid reinforced fly ash approach embankment constructed in the country (1996). Performance has been very good
- Length of embankment - 59 m, Height varied from 5.9 to 7.8 m
- Ash utilised - 2,700 cubic metre, Opened to traffic in 1996

Ref: P.J. Rao, Bindumadhav, et al, 1996

11:52 AM | Expert Lecture on "Utilization of Soil Reinf..."

Alkash Priyadarshi is presenting

Mechanism of improvement in performance by Dash et al. (2007)

12:10 PM | Expert Lecture on "Utilization of Soil Reinf..."