



One Day Workshop
on



Green Technology Application for Steep Slope Stabilization for Infrastructure Protection

Organized by

Department of Civil Engineering, Dr. B. C. Roy Engineering College Durgapur

In Collaboration with

Sphere Edge Enterprise and India Vetiver Network

Resource Persons



Syed Samsun Nabi

Founder – Sphere Edge
Enterprise &
Coordinator of India Vetiver
Network



Mr. Pradip Kr Choudhury

Former Principal Scientist , IJIRA
& Ex-Technical Advisor at
National Jute Board, Ministry of
Textiles, Govt. of India



Dr. CK Ashok Kumar

Innovator
Environmentalist - Social
Activist - Spiritual
Wellness Counsellor



Benito Castorina

Architect, Owner of Latium
Vetiver,
Coordinator of the Italian
Vetiver Network



Prof. Madaswamy Moni

Professor Emeritus, Department of
Agri-Informatics Engineering of
Shobhit University, Meerut &
Director General (Retd.), National
Informatics Centre



09/08/2023 (Wednesday)

**Coordinators of Workshop: Prof. Md. Hamjala Alam
Prof. Amit Kotal**

**Venue: Seminar Hall, Department of Civil
Engineering**

**Link for registration: <https://forms.gle/Mouh7snSXroQYaXi9>
Certificates will be issued to the participants**

Workshop on Green Technology Application for Steep Slope Stabilization for Infrastructure Protection

Soil slope stability is crucial in various aspects due to its wide-ranging implications on both natural environments and human activities. Slope stability is vital for maintaining the overall stability of landscapes and geological formations. It helps prevent erosion, landslides, and other forms of mass movement that can significantly alter natural ecosystems, damage habitats, and disturb the balance of the environment. Stability of soil slopes is crucial for the safety and longevity of infrastructure such as roads, buildings, bridges, pipelines, and railways. Unstable slopes can lead to structural damage, disruption of transportation networks, and economic losses. Ensuring the stability of slopes is essential for human safety. Unstable slopes can pose significant risks to communities living nearby, leading to injuries, fatalities, and property damage in the event of slope failures like landslides or debris flows. Soil slope stability is essential for environmental sustainability, infrastructure integrity, human safety, agricultural productivity, and overall land-use planning and development. Understanding and managing soil slope stability is critical for the well-being of both natural ecosystems and human societies. VetiverTechnology (VT) is based on a plant, vetiver (*Vetiveria zizanioides*), the use of which can solve most if not all of the environmental problems due to man-made or natural causes. The extensive research and experience of using vetiver, reported in publications appearing mostly on the VetiverNetwork (Greenfield; Truong; Truong et al., 2002), represent the most effective way to convince those with a resistance to innovation who have faith only in traditional techniques of intervention, the latter being certainly more expensive and often invasive or the cause of additional environmental problems. Vetiver for environmental remediation was little known in Italy until the final years of the last century.

A great deal of awareness-raising work needed to be done by firms like Latium Vetiver, operating since that time.

Brief Introduction of the Authors :

1. Syed Samsun Nabi : He is the Founder – Sphere Edge Enterprise & Coordinator of India Vetiver Network.
2. Mr. Pradip Kr Choudhury : Former Principal Scientist , IJIRA & Ex-Technical Advisor at National Jute Board, Ministry of Textiles, Govt. of India.
3. Dr. CK Ashok Kumar : Dr. Ashok is an Innovator, Environmentalist, Social Activist, Spiritual and Wellness Counsellor.

4. Benito Castorina : Architect, Owner of Latium Vetiver, Coordinator of the Italian Vetiver Network.

5. Prof. Madaswamy Moni : Professor Emeritus, Department of Agri-Informatics Engineering of Shobhit University, Meerut & Director General (Retd.), National Informatics Centre.

Dr. B. C. Roy Engineering College

Department of Civil Engineering

Office Notice

07.08.2023

All the students of 2nd and 3rd year are hereby informed that a One Day Workshop ^{is} going to be conducted on Wednesday (9th August, 2023) at the Civil Engineering Seminar Hall. The workshop will be conducted on the topic "Green Technology Application for Steep Slope Stabilization for Infrastructure Protection". The eminent speakers for the workshop are Mr. Syed Samsun Nabi, Mr. Pradip Kr Choudhury, Dr. CK Ashok Kumar, Mr. Benito Castorina and Prof. Madaswamy Moni.

All the students of 2nd and 3rd year are instructed to attend the workshop mandatorily. Certificate will be issued to all the participants.

MD. Hamjale Akm

Amit K. Tal

Workshop Co-Ordinators

Sanjay Sengupta
07/08/2023

HoD/CE

H.O.D
CIVIL ENGG. DEPT.
Dr. B. C. ROY ENGINEERING COLLEGE
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Engineering**

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Dr. B.C Roy Engineering College

Department of Civil Engineering

Title of the Event: Workshop on Green Technology Applications for steep slope Stabilization

Event Coordinator(s): MD. HAMJALA ALAM & AMIT KOTAL

Co-Host of the Event (if any)

Date: 09/08/2023

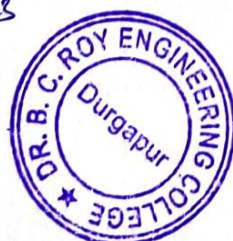
Location: SEMINAR HALL
(C.E. DEPT.)

Time: (10:30AM - 5:30PM)

Attendance Sheet (2ND HALF)

Sr. No	Roll Number	Signature	Sr No	Roll Number	Signature
1	12001321025	ANKIT KUMAR	36	2219159	Ranajit Ruhidas
2	12001321030	Shubham Soudam	37	12001322012	Hditya Madhukar
3	12001322049	Vineet Kushwah	38	12001322004	Pralay Kanti Pan
4	12001321031	Anand Raj	39	2219157	Jk Dissan
5	12001322048	Aditya Kumar	40	2219160	Touhid Laha
6	12001322043	Alok	41	12001322002	Naboyoti Haldar
7	12001321036	Amardeep Anand	42	12001322010	UTSAB MITRA
8	12001321038	Amanjot Kumar	43	2219151	Anghadip Dey
9	12001321029	Pritya Sheel Das	44	12001322005	Shovan Ghosh
10	12001321023	Koushik Mahata	45	12001322029	Bhairab Maji
11	12001321020	Subhansil Dutta	46	12001322026	Nayana Das
12	12001321001	Fotior Rahman	47	12001322022	Amirban Kar
13	12001321006	Mamun Rahman	48	12001322031	Ananya Ghosh
14	12001321067	Shawik Mondal	49	12001322032	Anindya Chattopadhyay
15	12001321077	Ayush Anand	50	12001322035	Sandip Pal
16	12001322020	Ankita Kundu	51	12001322027	Dipika Sen
17	12001322019	Neha Bhattacharjee	52	12001322015	Somnath Sen
18	12001321035	Muskan Mishra	53	12001322036	Sayan Pathak
19	12001322033	Smruti Karmakar	54	12001322037	Tirtha Pratim Datta
20	12001322045	Suman Ghosh	55	12001322024	Debdip Barui
21	12001322016	Touhid Mondal	56	12001322017	Sudipta Ghosh
22	12001322018	Mamun Saha	57	12001322042	Purba Saha
23	12001321024	Aditya Shekhar	58	12001322041	Sudipta Paul
24	12001321026	Gopalram Dey	59	12001322025	Anghadip Pan.
25	12001322001	Aakash Ganguly	60	12001321033	Aakash Saha
26	12001322007	Suresh Mahata	61	12001321041	Ankur Ghosh
27	12001322009	Dhirendra Kumar	62	12001321002	Subhadip Pal
28	12001322011	Nawad Shakil	63	12001322038	Pathik Ghosh
29	12001322014	Aakash Rajale	64	12001322028	Shuvam Majee
30	12001322008	Abhimanyu Kumar	65	12001322040	Rakesh Mahadani
31	12001322006	Ashish Kumar	66	12001321003	Arunab Mondal
32	12001322013	Chinmay Jethi	67	12001321027	Ahik Mahindor
33	2219154	Ayan Singha	68	12001321028	Riyas Sircar
34	2219153	Soumdeep Dey	69	12001322046	Souvik Goswami
35	12001322003	Abhishek Ghosh	70	12001322034	Rahul Pandit

H. Alam
20/8/2023
Signature of Coordinators



Sanjay Sanyal 09/08/2023
Signature of Head of the Department

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CIVIL ENGG. DEPT.

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Attendance Sheet (FIRST HALF 10:30 - 1: PM)

Sr. No	Roll Number	Signature	Sr No	Roll Number	Signature
1	12001322006	Ashish Kumar	36	12001321038	Amal Kanti Kumar
2	12001322014	Akash Rajak	37	12001322021	Souvik Kar.
3	12001322008	Abhimanyu Kumar	38	12001322044	Kishabh Kumar Sharma
4	12001322007	Sukesh Mahato	39	12001322046	Souvik Ghoswami
5	12001322011	Naved Shakil	40	12001322040	Rakesh Mohadani
6	12001322001	Akash Ganguly	41	12001322028	Shuvam Majee
7	12001322009	Diptendra Kumar	42	12001322025	Anshul Das
8	12001322016	Jaldeep Mondal	43	120013221009	Ashish Boddha
9	12001322045	Suman Ghosh	44	120013221003	Acrab Mondal
10	12001322018	Mahes Saha	45	12001321041	Ankur Ghosh
11	12001322034	Rahul Pandit	46	12001322038	Pathik Ghosh
12	12001322033	Smrta Karmakar	47	12001321002	Sulhadip Pal
13	12001321035	Muskan Nisha	48	12001321019	Ashar Wajaz Khan
14	12001322019	Neha Bhattacharjee	49	12001321005	dryan Chyanga
15	12001322020	Ankita Kumari	50	12001321034	Devanshu Raj
16	12001321025	Ankit Kumar	51	12001321021	Arman Ali
17	12001321036	Amerdeep Anand	52	12001322042	Purba Saha
18	12001321024	Aditya Shekhar	53	12001322041	Sudhesna Paul
19	12001321001	Fotior Rahman	54	12001321027	Atik Mahinder
20	12001321077	Ayush Anand	55	12001322036	Soyan Pathak
21	12001321026	Balaram Dey	56	12001322037	Tintha Bontim Datta
22	12001621067	Shouvik Mondal	57	12001322029	Bhairab Maji
23	12001322043	ALOK	58	12001322017	Sudipta Ghosh
24	12001321028	Ryan Sincere	59	12001322032	Anindya Chatterjee
25	12001321023	Koushik Mahato	60	12001322031	Ananya Ghosh
26	12001321020	Subhranil Dutta	61	12001322024	Abdeep Basu
27	12001321029	Priyanshu Saha	62	12001322027	Dipika Sen
28	12001321040	Shubham Kumar	63	12001322035	Sandip Pal
29	12001321030	Shubham Souren	64	12001322026	Nayna Das
30	12001322048	Aditya Kumar	65	12001322015	Somnath Sen
31	12001322049	Vineet Kushwaha	66	12001321006	Mamun Rahman
32	12001321031	Anand Raj	67	12001322022	Anirban Kar.
33	12001321032	Subham K. Ray	68	2219151	Apshadip Dey
34	12001321033	Abdus Salam	69	12001322005	Shovan Ghosh
35	12001321039	Priyanshu	70	12001322004	Pralay Kanti Das

H. Alam
9/8/2023
Signature of Coordinators

Sanjay Sengupta
09/08/2023
Signature of Head of the Department

Department of Civil Engineering

Event Coordinator(s): MD. HAMJALA ALAM & AMIT KOTAL

Date: 09/08/2023

Time: 10:30 AM - 5:30 PM

Attendance Sheet (FIRST HALF 10:30 AM - 1 PM)

H. Abu Amit Kher
9/8/2023 9/8/23
Signature of Coordinators

Signature of Head of the Department