



**Report on AICTE Training and Learning (ATAL) Academy Sponsored
One Week Online Faculty Development Program (FDP)
on
Sustainable Construction Materials and Technologies**

Department of Civil Engineering, SoS of Engineering & Technology Guru Ghasidas
Vishwavidyalaya (A Central University) Bilaspur- 495009 (C.G.)

Date of Event : February 21-25, 2022

Venue : ONLINE (Google Meet Platform)

About the University
Guru Ghasidas Vishwavidyalaya (GGV), the only Central University, situated in Bilaspur, Chhattisgarh and is appropriately named after great Satnami Saint Guru Ghasidas, who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society. The University is providing quality higher education and research to socially and economically challenge youths of the region. It is spread over about 655 acres of land. Having more than 8000 students and research scholars on roll, it conducts more than 62 demand-driven courses in 32 departments under 11 Schools of Studies in addition to National Centres for Endangered Languages, HRDC and Accelerator Based Research (NCAR). The university is blessed to be in a region having magnificent social and cultural heritage, especially the tribal traditions and practices, wonderful legacy of the inherent intellect and a rich bio-diversity.

About the Department
The department of Civil engineering is one of the youngest departments of the School of Studies of Engineering, GGV. The department is offering under graduate program in Civil Engineering and PG in Structural Engineering along with Ph.D. Program. Within its short span the department is on its way to carve a niche for itself among the leading technological institutes of India. The department is also offering consultancy & testing services for the external agencies, in addition to the internal consultancy services for the University. The department has developed state-of-the-art infrastructure including fully equipped laboratories to impart world class education. Extracurricular event is a regular phenomenon to ignite the minds of graduating buds.

Chief Patron
Prof. Alok Kumar Chakrawal
Hon'ble Vice-Chancellor, GGV, Bilaspur

Patron
Prof. Shailendra Kumar
Registrar, GGV Bilaspur

Convener
Prof. T. V. Arjunan
Dean, SoS (E & T), GGV, Bilaspur

Co-Convener
Mr. Ashish Kr Parashar
Head, Civil Engineering Department

Coordinator
Dr. M. Chakradhara Rao
Associate Professor, Civil Engineering Department

Co-Coordinator
Mr. Rochak Pandey
Assistant Professor, Civil Engineering Department

Advisory Committee
Dr. R K Choubey, Associate Professor, Department of CE
Dr. VSS Kumar Dadi, Asso. Professor, Department of CE
Mr N K Verma, Assistant Professor, Department of CE

Organising Committee
Dr. Kundan Meshram, Assistant Professor, Department of CE
Mr Prakhari Modi, Assistant Professor, Department of CE
Mr Vinod Kumar, Assistant Professor, Department of CE
Miss. Ayushi Nayak, Assistant Professor, Department of CE
Miss. Preeti Singh, Assistant Professor, Department of CE
Mrs. Sonal Banchar, Assistant Professor, Department of CE

**AICTE Training and Learning
(ATAL) Academy Sponsored
One Week Online
Faculty Development Program
(FDP)**

On

**Sustainable Construction
Materials and Technologies
(SCMAT)**

(21 – 25 February 2022)

Organised by
**Department of Civil Engineering
SoS of Engineering & Technology
Guru Ghasidas Vishwavidyalaya
(A Central University)
Bilaspur- 495 009 (C.G.)**

Details of Event Proceedings

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
21-02-2022	Inaugural Session & Session – 01 Adaptive, Functional and Bio-Mimicked Fibers for Modern Fiber Reinforced Concrete	Prof. Nemkumar Banthia Professor and Canada Research Chair The University of British Columbia, Vancouver, Canada	200

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26/02/2022

(COORDINATOR)



21-02-2022	Marine Clay Based LC3 Binder for Sustainable Construction	Dr. S Pradhan Asst. Prof., Civil Engineering Department, BITS Pilani	200
21-02-2022	Self-Compacting Concrete with Sustainable Materials	Dr. Dinakar, P. Civil Engineering Department IIT Bhubaneswar	200
22-02-2022	Sustainable Materials and Life Cycle Assessment of Blended Cements	Prof. Rathish Kumar P Professor Civil Engineering Department, NIT Warangal	200
22-02-2022	Clay based pozzolana for concreting	Prof. T D Gunneswara Rao Civil Engg. Dept., NIT Warangal	200
22-02-2022	Construction by Concrete 3D printing: Possibilities and Challenges	Dr. Rahul A.V. Asst. prof. Civil Engineering Dept. IIT Tirupati	200
23-02-2022	Geopolymer Concrete from Alkali-activation of Fly ash and Slag	Prof. KVL Subramaniam Civil Engg Dept., IIT Hyderabad	200
23-02-2022	Sustainable Development of Building and Greenhouse Integrated Photovoltaic Thermal System with Earth Air Heat Exchanger	Dr Sarat Kumar Panda Asso. Prof., Civil Engg Dept., IITISM Dhanbad	200

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(COORDINATOR)



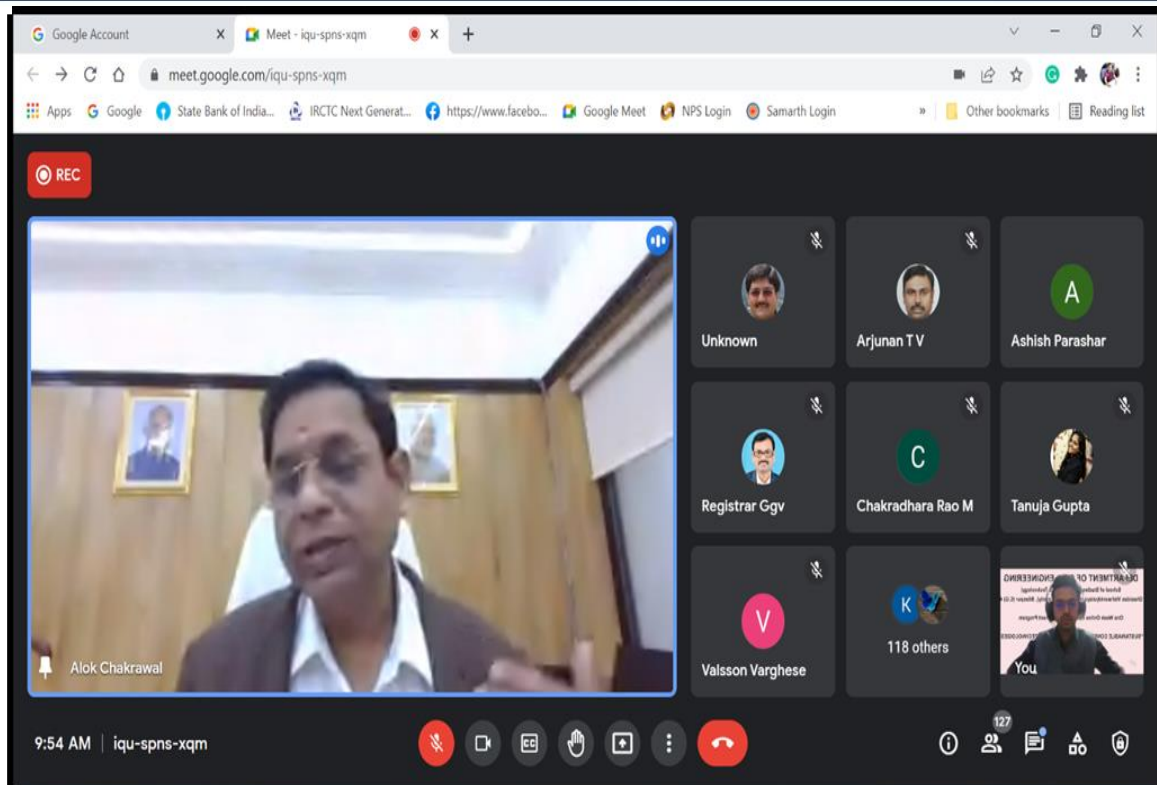
23-02-2022	Modelling of fracture parameters for crack propagation in recycled aggregate concrete	Prof. Shailendra Kumar Civil Engineering Department GGV, Bilaspur	200
24-02-2022	Sustainable Design of Long Span Bridges-A Global Perspective	Sri Saibaba Ankala ME, IRS, MBA Hyderabad	200
24-02-2022	Fly ash Concrete Subjected to High Temperature	Prof. K. Srinivasa Rao Civil Engineering Department, Andhra University, Visakhapatnam	200
24-02-2022	Wellness & Stress Management	Dr. Agam Das Goswami Assistant Professor VIT, Amaravathi	200
25-02-2022	Recycled Aggregate Based Concrete: Insightful Discussion	Prof. Sudhir Kumar V Barai, Director, BITS Pilani & (Professor, Civil Engg Dept., IIT Kharagpur)	200
25-02-2022	Recent Advances in Construction Technologies	Dr S P S Rajput Assistant Professor Civil Engg Dept., MANIT Bhopal	200
25-02-2022	Interaction, Feedback and Valedictory Session	All Members	200

A Brief Abstract of the Event (Maximum 500 Words):

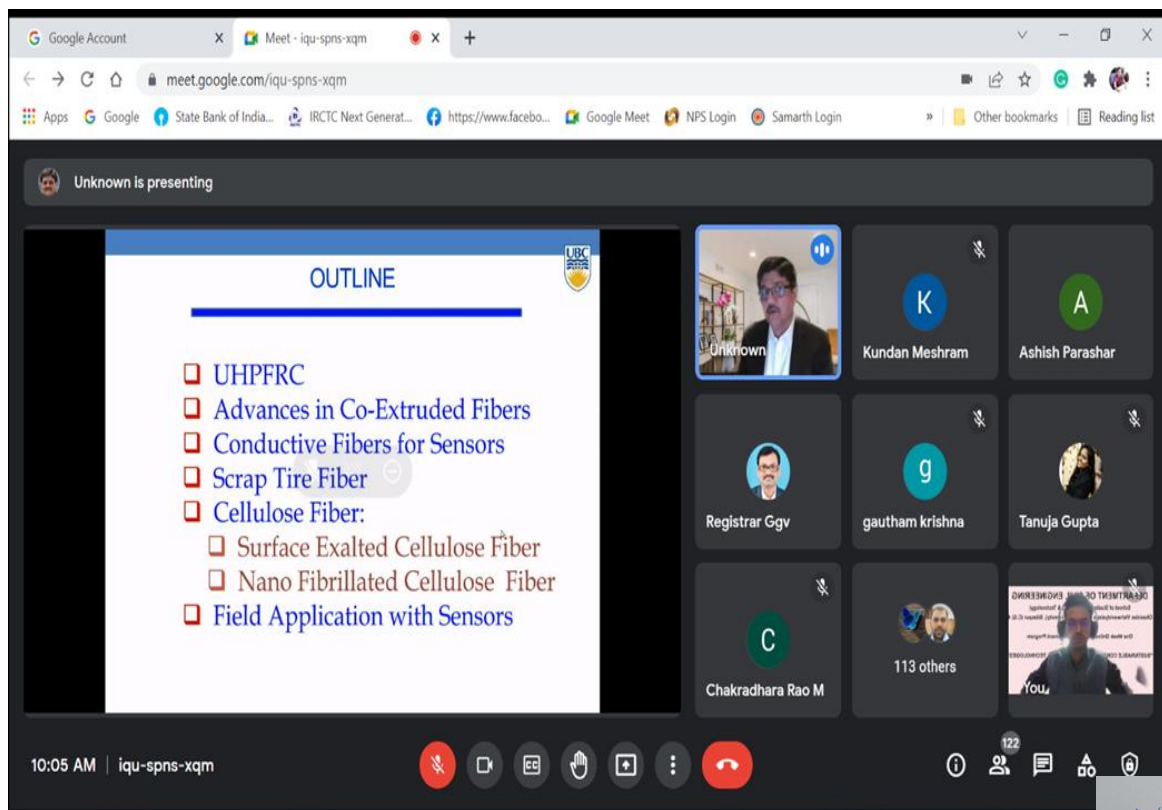
5-days ATAL sponsored Faculty development Programme (FDP) on “Sustainable Construction Materials & Technologies” was conducted from 21/02/2022 to 25/02/2022 by the Department of Civil Engineering, School of Engineering in Engineering and Technology, Guru Ghasidas Vishwavidyalaya Bilaspur, Chhattisgarh. In this Programme, 200 participants from different parts of country participated.

A Total of 14 sessions, consisting of 13 technical sessions & 1 session on Wellness & Stress Management was conducted during 5 Days in Google Meet Platform.

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25/02/2022

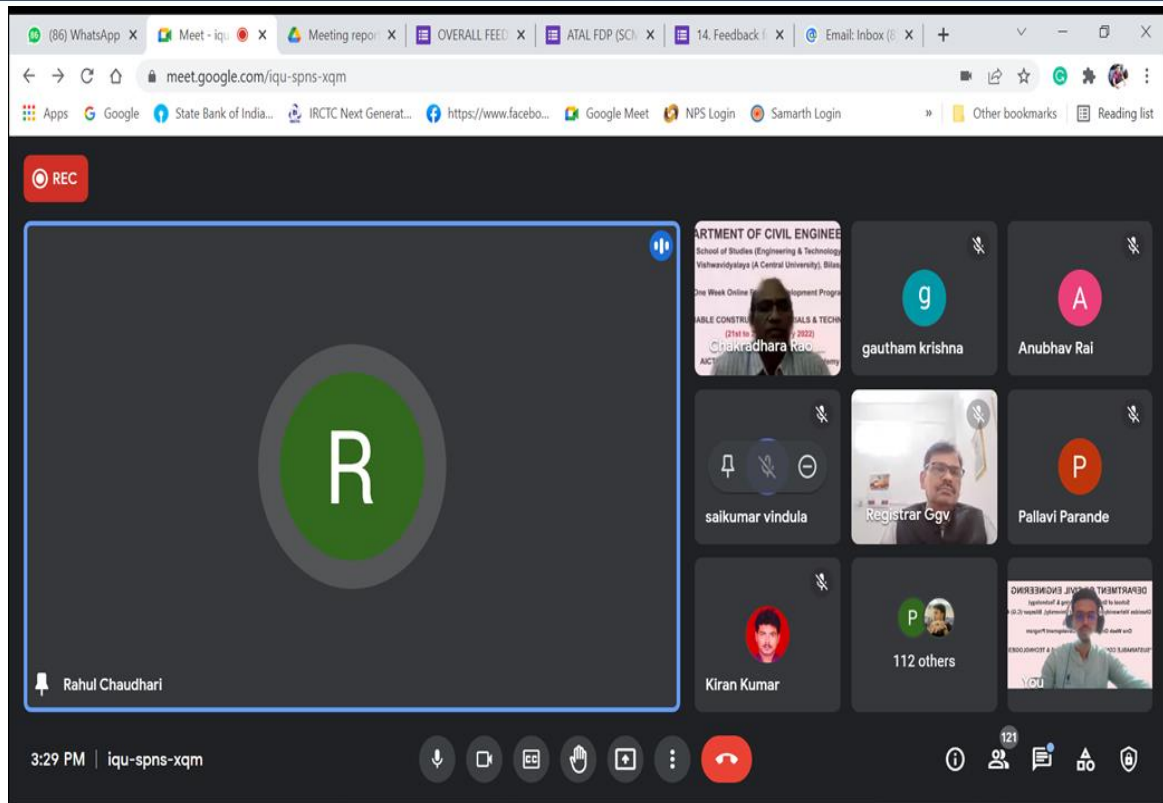


Day-1 Inaugural Function



Day-1 Session-I

(H2021)
25/10/2022
(COORDINATOR)



Day-5 Valedictory & Feedback Session



Newspaper Clipping of the Event

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(COORDINATOR)