

**GUJCOST Sponsored  
Two-Day Workshop  
On  
“Implementation and Adoption of Effective Soil  
and Water Management Modern Technologies  
for Higher and Quality Production”  
7<sup>th</sup> -8<sup>th</sup> October 2022**

**Organized by:**  
Department of Civil Engineering  
Chhotubhai Gopalbhai Patel  
Institute of Technology,  
UKA Tarsadia University, Bardoli



**About the Workshop:**

Soil and water are indispensable for the existence and survival of all terrestrial life. These are the basic resources to the requirement for food, feed, fuel, and fiber of human beings. Soil supports plant life by providing a medium for their growth and development. It is a non-renewable natural resource and susceptible to rapid degradation through various forms of erosion processes. Worldwide, around 52% of total productive land has been degraded by various kinds of degradation processes and almost 80% of the terrestrial land is affected by water erosion. Further, annually approximately 10 million hectares (Mha) of cropland becomes an unproductive at the global level due to soil erosion with an average rate of 30 tons per ha per year soil erosion. It has been estimated significant amount of water erosion in a global flux too. This, extensive degradation of finite soil resources can severely jeopardize global food security while deteriorating environmental quality. On the other hand, the future of living beings and agricultural production systems is at stake due to continuously depleting aquifers and increasing pressure on underground water under projected climate change scenarios. Moreover, climate change will increase water demand globally by about 40% of the water needed for irrigation. Hence, under the emerging scenario of acute water shortages and land degradation, we must focus our effort on the development and adoption of efficient approaches for soil and water conservation as well as its effective management for agricultural sustainability.

**About Institute:**

The Bardoli Pradesh Kelavani Mandal (BPKM) is an education trust established in 1960 with the aim of imparting of higher education opportunities in and around the rural area. BPKM has started a self-financed engineering college named as Chhotubhai Gopalbhai Patel Institute of Technology (CGPIT) under the roof of Uka Tarsadia University (UTU) in the year 2009 with the view of educating and training future professionals to lead in today's competitive environment and to meet the needs of globalization and industrialism by providing dynamic and conducive learning environment. CGPIT offers B.Tech. programmes in disciplines like Electronics & Communication, Electrical, Civil, Computer, Information Technology, Mechanical, Automobile and Chemical Engineering. CGPIT also offers M.Tech. programmes in disciplines like Electronics & Communication, Civil, Computer, Information Technology and Mechanical Engineering. Ph.D. programmes are also carried out by CGPIT in the disciplines like Electronics & Communication, Civil, Computer, and Mechanical Engineering.

**About Department:**

The department is one of the pioneer department since the commencement of the C. G. Patel Institute of Technology in 2009. The department has well qualified and fully dedicated faculty members engaged in teaching with the aim of achieving excellence in various fields. The Department actively promotes curriculum development activity by updating existing courses, developing new courses and preparing resource material for

teaching. Industry Interaction and academic exchanges with emphasis on R&D are an integral characteristic of our department. The department offers the Diploma in Civil Engineering, Under Graduate program B.Tech in Civil Engineering and Post Graduate program M.Tech in Structural Engineering, Soil Mechanics and Foundation Engineering and Environmental Engineering and Ph.D in Civil Engineering.

### **Chief Patron:**

Dr. Dinesh R. Shah, Provost, UTU.

### **Patron:**

Dr. Manoj J. Gundalia, I/C Director, CGPIT

### **Convener:**

Dr. Manoj J. Gundalia, Asso. Professor, HOD

### **Organizing Secretaries:**

Dr. Vaibhav R. Pawar, Assistant Professor  
Prof. Palak V. Trivedi, Assistant Professor

### **Who can apply?**

Faculty members, Industrial persons, Research Scholars and P. G. Students.

### **How to register:**

All participants are requested to pay the offline Payment mention below.

### **Registration fee:**

Student (UG, PG, Scholar): Rs. 100/-  
Faculty & Industrial Person: Rs.150/-

### **Address for Communications:**

#### **Dr. Manoj Gundalia**

E-mail: manoj.gundalia@utu.ac.in  
Contact- 9909461142

#### **Dr. Vaibhav R. Pawar**

E-mail: vaibhav.pawar@utu.ac.in  
Contact- 9408629954

#### **Prof. Palak V. Trivedi**

E-mail: palak.trivedi@utu.ac.in  
Contact- 9913157714

### **REGISTRATION FORM**

GUJCOST Sponsored

Two-Day workshop

On

### **“Implementation and Adoption of Effective Soil and Water Management Modern Technologies for Higher and Quality Production” 7th -8th October 2022**

Name and Address of the applicant:

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College: \_\_\_\_\_ Gender: M/F \_\_\_\_\_ DOB: \_\_\_\_\_

Age: \_\_\_\_\_

Qualification: \_\_\_\_\_

Experience: \_\_\_\_\_

Designation: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

PAYMENT DETAILS (In CASH only):

Date: \_\_\_\_\_

Rs. \_\_\_\_\_

Signature of the Applicant

The applicant will be permitted to participate in the above program if selected.

Signature of Head of the Institution with Seal

