

**AICTE Sponsored One Week Short Term  
Training Programme  
On**

**Planning & Design of Irrigation Water Networks  
(26 to 31 August, 2019)**

**Registration Form**

Name: \_\_\_\_\_

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

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

Contact No.: \_\_\_\_\_

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

Bank Name/DD/Cheque No: \_\_\_\_\_

Category: (Academician / Professional)

Name and Address of Organization: \_\_\_\_\_

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

**Signature of Participant**

I, the undersigned, am recommending and forwarding this application for STTP on "Planning and Design of Irrigation Water Networks".

Signature and seal of  
Head of the Organization

**Our Patron:**

Hon'ble Chairman, RCOEM

Hon'ble General Secretary, RCOEM

**Advisory Committee:**

Dr. R. S. Pande,

Principal, RCOEM

Dr. P. D. Pachpor,

HOD, Civil Engg. Dept.

**Convenor:**

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**Organising Committee:**

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Dr. A. K. Sharma

Prof. M. S. Tiwari

Dr. R. N. Khapre

Dr. Mrs. V. A. Dakwale

Prof. Mrs. V. J. Rajurkar

Prof. H. P. Khungar

Prof. A. M. Gharad

Prof. T. K. Rao

Prof. H. D. Bhawe

Dr. P. P. Dahale

Dr. A. A. Mehta

Prof. Mrs. V. R. Harne

Prof. S. S. Geete

Dr. P. D. Hiwase

Dr. Sharda Siddha

**Resource Persons:**

Distinguished faculty/experts from the renowned academic institutions like IIT/NITs, State/ Central Govt Departments and other reputed organizations



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**(26th to 31st August, 2019)**

**Coordinator**

**Dr. M. S. Kadu**

Professor, Civil Engg. Deptt

Email ID: kadums@rknc.edu

Cell: 9158881314

**Organized By**

**Department of Civil Engineering**



**Shri Ramdeobaba College of  
Engineering and Management, Nagpur**

Autonomous, NAAC Accredited,  
ISO 9001:2015 certified institution  
(www.rknc.edu)

### About Institute:

Shri Ramdeobaba College of Engineering and Management (RCEOM), was established in 1984 by Shri Ramdeobaba Sarvajanic Samiti, a charitable trust, with a mission to impart quality education in the field of engineering and management education. RCEOM is NAAC Accredited, Autonomous, ISO 9001:2015 certified, permanently affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU), Nagpur. The institute is ranked 112th by NIRF, Govt of India, ranking, 2019. All eligible engineering programme of the college are NBA accredited. The college is the most sought after institute in Central India for its commitment of imparting quality education, merit based transparent process of admission and governance.

### About Civil Department:

The department was established in 1984 and offers UG programs in Civil Engineering and PG programs in Structural Engineering (Regular) and Geotechnical Engineering (Part Time). The department has all state of the art laboratories and qualified experienced faculties from different specializations; and provides excellent opportunities of learning for Students and researchers. The Civil Engineering Department is accredited by NBA four times; and is recognized as research centre for Ph.D. by RTMNU, Nagpur and also under National Doctoral fellowship (NDF) scheme of AICTE.

### About the Course:

Due to increase in population, changing lifestyles, technological and industrial developments, the

requirement of water is ever increasing, while the per capita availability is continuously decreasing. Out of total available water about 60-70% is being used for irrigation purpose. The water use efficiency of canal irrigation is about 40 to 50% due to loss of water for various reasons. The national water policy of India focuses on increasing the water use efficiency and reducing losses using better water management techniques. The Central and State Govt. has come up with a massive programme of converting existing canal irrigation network into pressurised piped irrigation networks (PIN). There is an urgent need of capacity building of the faculty, irrigation engineers, field personnel, technocrat engaged in providing technical service in this sector. This STTP will help all the concerned in understanding the various aspects of planning, analysis, design and management of PINs through series of lectures, site visit, case studies, and hands on experience on softwares (EPANET, BRANCH, WATERGEMS, GIS, Excel etc).

### Course Outcomes:

On completion of the program, the participants will be able to:

- Understand the govt. policies on PIN, Water auditing of Irrigation projects and the need of improving the water use efficiency of irrigation
- know the need of demand based management of irrigation projects based on optimal cropping pattern
- Plan, analyze and Design PINs using various Softwares
- Comprehend performance parameters for

water auditing of irrigation projects.

- Recognize the need of moving towards the efficient irrigation practices like drip and sprinkler irrigation.
- Understand the application of GIS, drone and SCADA technology in improved management of irrigation projects

### Eligibility of the Participants:

- Academicians- Faculty members of Technical institutions
- Civil Engineering professionals of Government / Semi-Government / Private sector organizations and NGOs

### Registration Details:

There is no Registration Fee for the Course. TA/DA to outstation participants shall be given as per AICTE norms. However, the prospective participants must ensure their participation with submission of duly signed registration form to: **sttp.pin@rk nec.edu** along with a DD / Cheque of Rs. 1000 (Refundable) drawn in favour of "Shri Ramdeobaba College of Engineering and Management" payable at Nagpur latest by 30th July 2019. Brochure/Registration form can be downloaded from college website link **<http://www.sttp-pin.rk nec.edu>**.

The registration to STTP can also be done by way of filling a Google Form available at the college website link. A hard copy of the registration form shall also be submitted to STTP-Coordinator. As the number of participants for the programme is limited, the registration will be done on first come first serve basis. Selected candidates will be communicated through mail.