

SPIU
Karnataka



TEQIP-3
Technical Education Quality Improvement Programme



NPIU
National Project Implementation Unit



JSS Mahavidyapeetha
Sri Jayachamarajendra College of Engineering
JSS Science and Technology University, Mysuru, Karnataka
Water Conclave – for a better future

A TEQIP– III Initiative

15th –16th March 2021

Organized by:
Department of Environmental Engineering

About Australia India Water Centre

The Australia India Water Centre (AIWC – www.iitg.ac.in/aiwc) is a virtual centre formally launched in November 2020 by the Australian Education Minister the Hon. Tehan and Indian Water Resources Minister, the Hon Shri Gajendra Singh Shekhawat. AIWC is a consortium of 24 Australian and Indian Universities, research institutions and water businesses to promote cooperation and collaboration in water research, education, training and capacity building. IIT-Guwahati is the lead institute among the Indian partners and Western Sydney University is the Australian counterpart. JSS Science and Technology University-Mysuru, with the initiative taken by the Department of Environmental Engineering, is one among 15 institutions of India partnering to form AIWC.

About the ‘Water Conclave’

Water conclave in general is a conglomeration of water expertise from across India and Australia coming together to develop tangible action plans towards strategic water resource management for a better future. The objectives of the water conclave are to understand technical expertise of partnering institutions, develop long term collaboration in trans-disciplinary research, foster capacity building, knowledge and technology transfer through a range of activities in surface and groundwater resource management.

SJCE, Mysuru

The JSS Mahavidyapeetha (JSSMVP), Mysuru is one of the premier organizations in southern part of India, offering services to the society through a variety of institutions starting from Kindergarten to Medical, Engineering, Management and Spiritual. Sri Jayachamarajendra College of Engineering (SJCE), established in 1963, is a government aided, AICTE approved, NBA accredited, autonomous institution. The divine inspiration for starting this college was His Holiness Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamiji, the 23rd pontiff of Sri Suttur Mutt. SJCE is located in the sprawling campus of 102 acres with other technical institutions of JSSMVP, in the western part of Mysuru, the city of palaces. The institution also has the reputation of academic excellence in professionally oriented programs and equal proficiency in extra-curricular activities that makes it a lucrative option for students from all over the country. The college offers 13 Undergraduate engineering and 21 Post-graduate programmes in various disciplines.

TEQIP III

The main focus of Technical Education Quality Improvement Programme (TEQIP) under GoI is to promote academic excellence, network institutions, share resource, enhance quality and reach services to community. The project, Third phase of TEQIP (TEQIP-III) is fully integrated with the 12th Five-year Plan objectives for Technical Education as a key component for improving the quality of Engineering Education in existing institutions with a special consideration for Low Income States and Special Category States and support to strengthen affiliated technical universities/ institutions to improve their policy, academic and management practices.

Session Themes

- Urban and rural water demands, water economics and citizen science
- Agriculture water management for livelihood improvement
- Surface water quality and ecological health
- Safe drinking water supplies for livelihood improvement
- Mathematical models for water resources management
- Climate change and its impact on water resources

Outcome of the Program

- Guidelines and support system (including resource persons database) to help conduct capacity building and training programs
- Potential collaboration with partner institutions
- A road map for future actions and activities
- National and international exposure to cutting edge technology, technology use and integration, technology transfer, skill building, networking with scientific and professional community, career management, etc.

Chief Patron

His Holiness Jagadguru Sri Shivarathri Deshikendra Mahaswamigalavaru

Advisory Committee

Dr. C. G. Betsurmath, Executive Secretary, JSSMVP, Mysuru
Dr. M. H. Dhananjaya, Advisor, TED, JSSMVP, Mysuru
Dr. B. Suresh, Pro-Chancellor, JSSAHER, Mysuru
Dr. Siddaramaiah, VC (Acting), JSSSTU, Mysuru
Dr. S.A. Dhanaraj, Registrar, JSSSTU, Mysuru
Dr. S. B. Kivade, Principal, SJCE, JSSSTU, Mysuru

Technical Advisory Committee

Dr. Basant Maheshwari, Prof., Western Sydney University, Australia
Dr. T. G. Sitaram, Director, IIT Guwahati, India
Dr. H. J. Shiva Prasad, Prof., GBPUAT, India
Dr. B. Manoj Kumar, Prof. & Head, TEQIP III Coordinator JSSSTU, India
Dr. Pushpa Tuppad, JSSSTU, India

Program Committee

Members of Faculty, Department of Environmental Engineering, SJCE, JSSSTU, Mysuru, India

Registration Fees (excluding GST)

- Personnel from Industries/Govt. organisations : Rs. 1000.00
- Faculty members other than AIWC institutes : Rs. 500.00

Registration link: <https://forms.gle/J14zYhVipnemNNb9>

Account details: Account Name: SJCE MYSURU TEQIP-III
A/C No.: 3950000101289293
IFSC: PUNB0395000
Bank: Punjab National Bank
Branch: SJCE Mysore

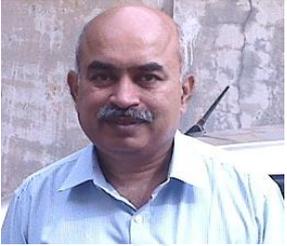
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Speakers in the conclave

	<p>Prof. T. G. Sitaram Director, IIT Guwahati</p> <p>Sustainable Built Environment in Coastal Areas: Water Scarcity to Security through Coastal Reservoirs</p>		<p>Prof. Basant Maheshwari, Western Sydney University</p> <p>Groundwater – The Complexity of Managing the Invisible Resource</p>
	<p>Prof. Kavi Mahesh, Director IIIT Dharwad</p> <p>Water: Predictive Analytics and Traditional Knowledge</p>		<p>Dr. S. Rajendra Prasad Vice-Chancellor, UAS Bangalore</p> <p>Sustainable water management options for livelihood enhancement in Indian Farming</p>
	<p>Dr. Archana Sarkar, NIH, Roorkee</p> <p>Impact of Climate Change on Water Resources – Case Studies from Indian River Basins</p>		<p>Dr. Dharma Hagare, Western Sydney University</p> <p>Circular Economy of Nutrients in Wastewater</p>
	<p>Prof. Ashantha Goonetilleke Queensland University of Technology</p> <p>Can the urban water cycle be sustainable?</p>		<p>Dr. Vijaya Lakshmi, JNTU, Hyderabad</p> <p>Satellite Earth Observations in Support of Water Resource Management</p>
	<p>Prof. Sathaa Sathasivan Western Sydney University</p> <p>Ensuring safe drinking water to all in a warming climate</p>		<p>Dr. Ricky Spencer Western Sydney University</p> <p>Water Futures – Options and Opportunities</p>
	<p>Dr. Uday Bhaskar Nidumolu Western Sydney University/CSIRO</p> <p>From Research to Development at Scale for water-use in agriculture</p>		<p>Professor Okke Batelaan Flinders University</p> <p>World class research and teaching in water resources</p>

	Dr. B Manoj Kumar JSSSTU, Mysore Mathematical Modelling for River Water Quality Simulation		Dr. Pushpa Tuppad JSSSTU, Mysore Best Management Practices for Soil and Water Conservation
	Dr. H J Shiva Prasad, GBPUAT, Pantnagar Trans-disciplinary Collaborative Research Opportunities in Hilly Areas		Dr. Jayanthilal Patel, SVNIT, Surat Economics and Quality of GW Recharge in Conjunction with Stormwater Drainage System
	Dr. Jayaramu K P Retd. CE, KUWSDB Bulk Water Supply in Cities of Karnataka - Present & Future		Dr. Anamika Barua, IIT-Guwahati Water Food Nexus from the Lens of Virtual Water Trade
	Prof. Sharad K. Jain, IIT Roorkee Impact of Climate Change on Water Resources in India and Adaptation needs		Dr Uday Shankar Saha, IRMA, Anand Water Management and Water Infrastructure Financing for Rural Areas: Challenges and Prospects in India
	Prof. H. Ramesh, NIT-K, Surathkal, Karnataka Coastal Reservoirs: Concepts and design aspects		Prof. Mohan Kumar, IISc, Bangalore Smart Water Systems
	Prof. Thimmegowda, USA, Bangalore Sensors in Precision Agriculture Water Management		Dr. Alaknanda Ashok GBPUAT, Pantnagar Trans-disciplinary Collaborative Research Opportunities in Hilly Areas

Dr. B. Manoj Kumar

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