

Memorandum of Understanding (MoU) between JSS science and Technology University and premium institutes in India and Australia to form Australia-India Water Center' (AIWC)

As a fruitful product of the initiative from the Dept. of Environmental Engineering and pro-active support of the Vice-Chancellor and the Management, the MoU was signed on 3rd November 2020. The AIWC was launched on 6th November 2020.

A consortium of premium institutes in India and Australia have come together to form 'Australia-India Water Center' (AIWC) with an overall aim to develop longer-term collaboration in water research, capacity building and knowledge and technology transfer, particularly focussing on water and food security, safe drinking water supplies, river health, water-energy-food nexus, water for liveable cities and other related aspects of mutual benefits to Australia and India.

IIT Guwahati is leading the Indian consortium and Western Sydney University is leading Australian partners. JSSSTU is one of the Universities from India partnering with the premier Institutes/Universities from India such as BHU, GB Pant University of Agriculture and Technology, IIT Kharagpur, JNTU, NIH Roorkee, SVNIT-Surat, IISc-Bangalore, NIT-Surathkal, UAS- Bangalore along with elite Institutions/Universities of Australia.

Scope of AIWC include:

- Development of tools and techniques to tackle future water and food security,
- Establish joint Masters level program in 'water resources management',
- Capacity building,
- Engagement and international networking,
- Promotion of trans-disciplinary research and training approach in research and training/educational program.

The benefits to be accrued to JSSSTU out of this collaboration include:

- Collaboration with premier national and international institutions to conduct cutting edge research focusing water and food security, safe drinking water supplies, river health, water-energy-food nexus, water for liveable cities, sustainability and other trans disciplinary areas. This will result in outcomes including the development of tools and techniques to tackle future water and food security challenges including improved management of groundwater, springs, storm water and coastal reservoirs; and establishment of a joint Master's level program in water resources management.
- Opportunities to source funding for research projects in the focused areas
- Opportunities to involve in consultancy projects in the focused areas.
- Student and staff exchange programs that will enhance international exposure of students and staff to cutting edge technology, technology use and integration, technology transfer, skill building, networking with scientific and professional community, career management, etc.
- Improvement in academic and research reputation of the institution.
- Opportunities to improve the research capabilities of faculty members and achieve recognition for their out standing contribution.

- Capacity building programs including conduct of conferences, seminar, workshops/training with the support of resources from premier national and international Institutions/organizations.
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