PRAYAG – A CENTRE OF KNOWLEDGE INFORMATICS FOR SUSTAINABLE DEVELOPMENT

Vision:

Contribute towards enhanced understanding of diverse human activities with an emphasis on sustainable development through an informatics inclusive cross-disciplinary approach.

Dimensions of Sustainable Development

Sustainable development means *development which meets the needs of the present without compromising the ability of future generations to meet their own needs*. Sustainable Development Goals (SDGs) are a collection of 17 global goals set by the United Nations General Assembly in 2015. The SDGs are part of Resolution 70/1 of the United Nations General Assembly: "Transforming our World: the 2030 Agenda for Sustainable Development." The goals are broad and interdependent, yet each has a separate list of targets to achieve. The SDGs cover social and economic development issues including poverty, hunger, health, education, global warming, gender equality, water, sanitation, energy, urbanization, environment and social justice.

Context: Worldwide, many researchers from diverse disciplines are now actively contributing discipline specific research on some topics related to this important and pervasive theme. However, because of disciplinary boundaries, often the researchers in one discipline are not even aware of the work being done by their counterparts in other disciplines, even within the same University. PRAYAG is aimed at filling the gap of disciplinary boundaries by creating a community of such multidisciplinary researchers at Jaypee Institute of Information Technology who are driven by the concerns of Sustainable Development.

Objectives:

- Promote Cross-disciplinary practices and approaches for Sustainable Development
- Incubate informatics inclusive cross-disciplinary R&D in newer, relatively unexplored, and divergent application domains with a special focus on sustainability

- Inspire and encourage academia (both faculty and students) for Sustainable Technology Research in the area of Energy Activities, Clean Water and Air, Green Chemistry, Healthy Living etc.
- To take steps in making JIIT campus greener, sustainable and self-sufficient and to minimize our impact on the environment
- Design new cross-disciplinary courses and educational programs

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