Semester 1

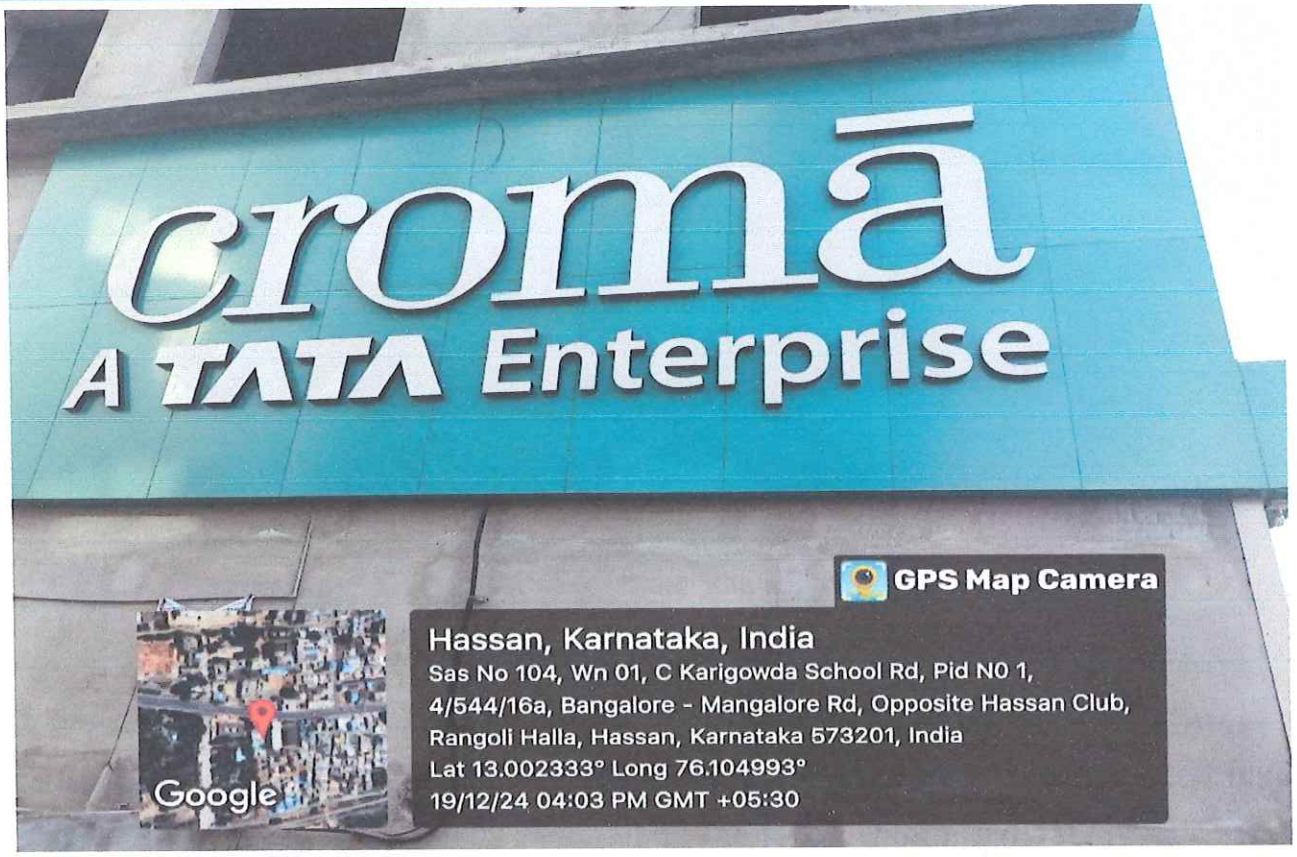
IIC 7.0 CALENDAR ACTIVITY

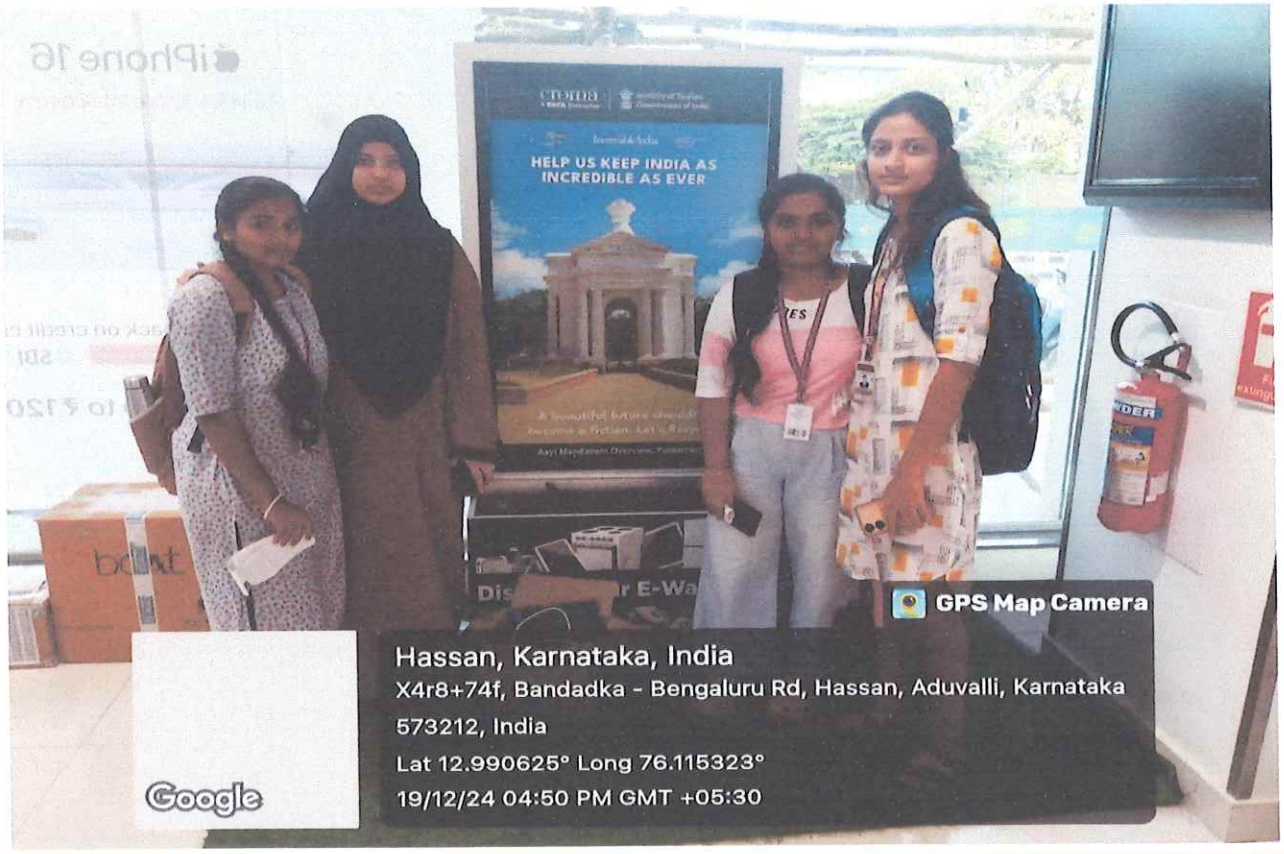
Quarter 2

Activity Name	**Waste Management**
Date of Activity	19-December-2024
Mode of Conduct	Physical
Time	One Day
Mandatory/Elective	Mandatory
Participants *(offline)*	• Students: Attending all 3rd Sem Students from CSE Department, • Staff's from core branches
Resource Person	Mr. Chiranjeevi M R, Ms. Ruksar Parveen and Mrs. Meghana C N
Description	Waste management involves the collection, transportation, processing, recycling, and disposal of waste materials in a way that minimizes their impact on the environment and public health. It encompasses various waste types, including household, industrial, hazardous, and electronic waste. Effective waste management strategies include waste reduction, reuse, recycling, composting, and energy recovery. Modern systems often incorporate advanced technologies, such as automated sorting and waste-to-energy facilities, to improve efficiency and sustainability. Proper waste management not only reduces pollution and conserves natural resources but also supports economic development by creating jobs in recycling and waste processing industries. Public awareness and participation, along with robust government policies, are critical to ensuring the success of waste Management initiatives.
	Waste management is the systematic process of handling waste materials from their creation to their final disposal in a manner that minimizes harm to the environment, human health, and ecosystems. It involves a range of activities, including the collection, segregation, transportation, treatment, recycling, and disposal of waste. The primary goal of waste management is to reduce the negative impacts of waste

	On the environment while maximizing resource recovery and sustainability. Waste management refers to the systematic handling of waste materials from their generation to their final disposal, ensuring minimal harm to the environment, human health, and ecosystems. It encompasses various stages, including collection, segregation, transportation, treatment, recycling, and disposal. Waste can be categorized into municipal solid waste (household and commercial waste), industrial waste, hazardous waste, biomedical waste, and electronic waste. Effective waste management strategies prioritize the "3Rs"—reduce, reuse, and Recycle—to minimize waste generation and promote resource recovery.
Outcome Of the Program	• Waste management plays a critical role in ensuring environmental sustainability, public health, and resource efficiency. • Effective waste management systems aim to reduce, reuse, and recycle materials, minimizing the volume of waste sent to landfills and mitigating pollution. • By adopting practices such as composting, recycling, and proper disposal of hazardous materials, communities can conserve natural resources, lower greenhouse gas emissions, and protect ecosystems. • Advancements in technology and policy-driven initiatives promote circular economies, turning waste into valuable resources and fostering economic growth. • Overall, comprehensive waste management strategies contribute to cleaner environments, healthier populations, and a more sustainable future.

Department of Computer Science and Engineering





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