Adani University

- With a vision to educate and empower the youth, encourage transformative research that focuses on real-world problems, and contribute to global sustainability via excellence at all levels, the Adani Group – one of India's largest transport and utility infrastructure conglomerates with inspiration from the infrastructure visionaries of India – Shri Gautambhai Adani and Smt. Pritiben Adani– established the Adani University in India's enterprising State of Gujarat.
- With the major thrust on education for transformation, Adani University is engaged in building a state-of-the-art futuristic institution for education, training, and research that shall disseminate managerial and technological knowledge of the highest value through impactful industry engagement and multidisciplinary research.
- Five thrust areas, Infrastructure, Technology, Healthcare, Energy, and Defense are the focus of university programs, while the approach is broad and complementary. Adani University is a research-intensive institution that seeks to address and impact real-world problems. Research, formal and non-formal programs for doctoral, undergraduate, and post-graduate degrees, and certification programs at the intersection of disciplines are offered at the University.

Department of ICT

The Department of Information and Communication Technology (ICT) is established in the year 2017. It is at the forefront of technological innovation and digital transformation. With a focus on leveraging technology to enhance communication and streamline processes, the department plays a pivotal role in modernizing infrastructures and driving efficiency. Through research, development, and implementation of cutting-edge solutions, ICT empowers organizations to adapt to the rapidly evolving digital landscape.
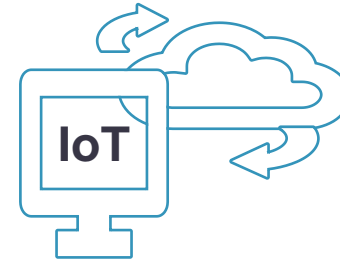
SSIP 2.0

The Student Startup and Innovation Policy (SSIP) launched by the Government of Gujarat has been successful in promoting entrepreneurship and innovation among students. The policy has helped create a favorable environment for startups to grow and thrive in the state. The aim of SSIP 2.0 is to build on the success of the previous policy and take it to the next level by providing more comprehensive support to the startups and entrepreneurs in the state.

The policy a provides funding assistance, mentorship, incubation, and accelerator support to the student startups, along with access to industry networks and global markets.

The SSIP 2.0 policy has also introduced a new concept of Innovation and Entrepreneurship (iHub), which is acting as a one-stop-solution for sector-wise startups and entrepreneurs. These hubs will provide state-of-the-art facilities, including co-working spaces, labs, and incubation centers, to the startups

adani
University

SSIP
Education Department,
Government of Gujarat

Workshop
On
Introduction to Internet of Things

(22nd March 2024)

Supported by
Student Startup and Innovation Policy (SSIP 2.0)

Organized by

Department of Information & Communication Technology
Adani University , Ahmedabad, Gujarat, India-382421

Workshop Objective

The objective of a one-day workshop on IoT (Internet of Things) for beginners could be to provide participants with a foundational understanding of IoT technology, its applications, and its potential impact on various industries. Here are some specific objectives:

1.**Introduction to IoT**: Provide an overview of what IoT is, including its definition, components, and how it works.

2.**Basic Concepts**: Introduce fundamental concepts such as sensors, actuators, connectivity protocols (like Wi-Fi, Bluetooth, etc.), and data processing.

3.**IoT Architecture**: Explain the architecture of IoT systems, including devices, connectivity, data processing, and application layers.

4.**Applications of IoT**: Showcase real-world examples and case studies of IoT applications across various domains such as healthcare, agriculture, smart homes, transportation, and industrial automation.

Workshop Schedule

Session	Content
Inauguration Ceremony (9.30am to 10.00am)	Lamp Lighting, SSIP 2.0 Awareness, Provost Address, Startup Talk, Workshop Briefing,
Session 1 (10:00am to 11:00am)	Introduction of IoT
Session 2 (11:15am to 12:30pm)	Basic of Sensors and IoT devices.
Session 3 (1:30pm to 2:30pm)	Installation of Arduino IED and other devices.
Session 4 (2:30pm 5:00pm)	Handson on practices on IoT devices and interfacing of sensors and actuators.
Valedictory Session (5.00pm to 5.30pm)	Certificate Distribution & Vote of Thanks

Organizing Committee

Patron
Prof Ravi Prakash Singh
Provost. Adani University

Coordinators
Dr. Bablu Kumar Singh
Assistant Professor, ICT

Dr. Ajay Kumar Vyas
Associate Professor & Head, ICT

Program Committee
Dr. Jignesh Thaker, SSIP Coordinator, AU
Dr. Raj Jadav, SSIP Co-Coordinator, AU
Dr. Sameer Patel, SSIP Co-Coordinator, AU
Dr. Mayank Kumar, Assistant Professor, ICT, AU
Dr. Raj Kumar Maurya, Assistant Professor, ICT AU
Dr. Mani Shekar Gupta, Assistant Professor, ICT, AU
Dr. Akanksha Srivastava, Assistant Professor, ICT, AU
Dr. Ashish Goswami, Assistant Professor, ICT, AU

Registration

Contact to Dr. BK Singh (9887548865

Registration : Limited seats (30) for II Year (IV Semester) students at Adani University only. (Participants will shortlist for screening process) Last date: 19th March 2024

Click on the link for registration

https://forms.office.com/r/g588YNs1d3