



SOUVENIR

International Conference

on

Future of Computer Science with AI: Theory, Practice, and Impact

ICFCSAI-2025

25-27 September, 2025



Organized By
Department of Computer Science and Engineering
Institute of Engineering & Technology
Dr. Bhimrao Ambedkar University
Swami Vivekanand Campus, Agra

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Smart Inventions: Internet of Things (IoT) for Daily Life Innovations

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Abstract:

The Internet of Things (IoT) helps to transforms daily life in to smart life by enabling smart inventions. It is a new paradigm that has changed the traditional way of living into a high tech life style. This includes smart city, smart homes, smart transportation, smart industries and many such transformations. A lot of crucial research studies and investigations have been done in order to enhance the technology through IoT. However, there are still a lot of challenges and issues that need to be addressed to achieve the full potential of IoT. These challenges and issues must be considered from various aspects of IoT such as applications, challenges, enabling technologies, social and environmental impacts etc. The main goal of this paper is to provide a detailed discussion from both technological and social perspective in various endeavours. Also this research discusses different IoT architecture and important application domains used in daily life. It brings into light the existing literature and illustrated their contribution in different aspects of IoT in various sectors. Internet of Things (IoT) connects with devices, helps to collect data, and automate many tasks. It explores the transformative potential and focuses its impact on various aspects of daily life. It helps in highlighting the opportunities for enhancing convenience and sustainability. The quality of life for individuals and communities are also improved. The integration of these technologies with everyday objects may offer significant potential for improving the lives of individuals. This enhancing automation ensures safety technology. This work explores four IoT-based applications: a smart cap for blind people, a Bluetooth-controlled car, an IoT-enabled fire alarm system, and a servo motor control system with a joystick.

Keywords: *Internet of Things(IoT), Smart Cap, Bluetooth Controlled, Fire Alarm, Servo Motor.*

IoT Based Smart College

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Abstract:

The aim of paper to present a model for building a more energy efficient and low-cost college, save energy resources, develop eco-friendly college, design and implement a low-cost wireless smart college system.

Keywords: *IoT, Smart, Automaton, Arduino, NODEMCU*