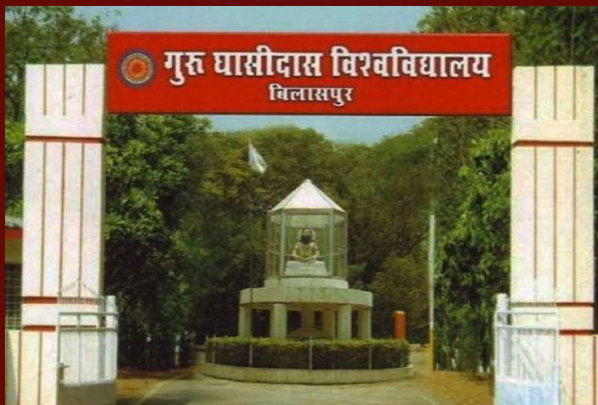


ABOUT THE UNIVERSITY

Guru Ghasidas Vishwavidyalaya is a Central University of India, located in Bilaspur C.G. State, established under Central Universities Act 2009, No. 25 of 2009. Formerly called Guru Ghasidas University (GGU), established by an Act of the State Legislative Assembly, was formally inaugurated on June 16, 1983.

GGU is an active member of the Association of Indian Universities and Association of Commonwealth Universities. Situated in a socially and economically challenged area, the university is appropriately named to honour the great Satnami Saint Guru Ghasidas (born in the 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society.

The University is a residential cum affiliating institution, having its jurisdiction spread over Bilaspur Revenue Division of the state of Chhattisgarh.



Guru Ghasidas Vishwavidyalaya, Bilaspur

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ABOUT THE DEPARTMENT

The department of computer science was established in 1997. The department is committed to provide quality higher education in the field of Computer Science & Engineering With the understanding, knowledge and practical competence to participate in a long revolution. The knowledge will enable you to understand and foresee the great changes and challenges that Computer Science presents to the world, now and in the future. Besides teaching there is also a doubt removal session. The department has specialized laboratories such as NETWORKING LAB, ADVANCE PROGRAMMING LAB, DATABASE & UNIX LAB, PROJECT LAB. The department provides opportunities for carrying projects by students under the joint supervision of the faculty and experts from the industry. The department has been involved in providing training in reputed government and public sectors like DRDO Delhi, Microsoft Hyderabad, CMC Kolkata, Orbit IT Hyderabad, S.E.C.L., B.S.N.L., Indian Railways, Bokaro Steel Plant & Bhilai Steel Plant (SAIL), Software Tech & ISM Bangalore. Our students are working in reputed private, public and govt. organizations. Some of them are Infosys, Wipro, Persistent, IBM, TCS, Mahindra BT, Syntel, Satyam, BSNL, NTPC, INFLIBNET.



School of Studies in Engineering & Technology

ABOUT FDP

This FDP is aimed at imparting knowledge and training on the fundamentals of the Internet of Things (IoT), communication with cloud servers and performing data analytics to derive useful insights from the data. The main objective is to make the participants familiar with the emerging frontiers and interesting applications of these technologies. Expert lectures & hands-on sessions will be delivered by faculty members from academia (IITs/NITs/IIITs/Central Universities) and practitioners from industry. The program will have a nice blend of theoretical and practical aspects of the field. More emphasis will be given to practical hands-on exposure by solving some real-life problems using IoT and Cloud.

The participants of this FDP will be able to understand the underlying concepts and applications. They will learn how to use Arduino, NodeMCU, and Raspberry Pi along with an array of different sensors & actuators in the realm of developing some interesting applications. IoT applications in smart cities, healthcare, rural development, human-computer interaction, computer vision etc, will be discussed. Experts will also discuss various issues, challenges and research directions in the field. The theme of the FDP has been chosen to be interdisciplinary so that it may benefit a large segment of researchers and faculty.

RESOURCE PERSON

Faculty experts from reputed institutes, and invited experts from industries.

FDP CONTENTS

This workshop will help the participants to learn Interdisciplinary Smart Applications of the Internet of Things, Cloud Computing & Data Analytics Technologies in various fields. This FDP program proposes the following content.

- Overview of IoT and Cloud Platforms
- IoT Elements and Various Protocols
- IoT & Edge Computing
- Getting familiar with various sensors and actuators for IoT
- Reading and writing the sensor data, data transmission & sensor control over WiFi/Bluetooth
- Various interdisciplinary use-case scenarios of IoT such as healthcare, agriculture, smart homes, industrial process automation etc.
- IoT coupled with AI, Machine Learning.

TARGET AUDIENCE

The faculty members of the AICTE approved institutions, research scholars, participants from Government and Industry.

REGISTRATION

No Registration Fees

To Register, please visit :

<https://atalacademy.aicte-india.org/signup>

Eligible participants are requested to sign-up, create a profile, select workshop, select thrust areas and apply to this workshop for registration. Due to limitations on the number of participants (200), applications will be considered on a first come first serve basis.