

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



School of Studies of Engineering & Technology

CHIEF PATRON

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Hon'ble Vice-Chancellor, GGV Bilaspur

PATRON

Prof. Manish Shrivastava
Registrar, GGV Bilaspur

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Dean, SoS (E & T), GGV , Bilaspur

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Head, Department of CSE, SoS (E & T), GGV, Bilaspur

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Two week
Faculty Development Program
On

Deep Learning and Machine Learning Algorithm in Computer Vision

12 November – 22 November , 2022

Organized by

Department of Computer Science and Engineering
School of Studies of Engineering & Technology



Guru Ghasidas Vishwavidyalaya

A Central University established by the Central
Universities Act 2009 No. 25 of 2009

Bilaspur - 495009

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, advanced 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.

ABOUT FDP

This Programme is designed to provide the state-of-the-art trends and advancements in the Internet of Things in Educational Canvas.

The Programme will focus on theoretical aspects as well as on providing hands-on experience to the participants, who enable themselves to promote industry and institute collaborations by working on industrial projects and being able to solve the current research problems.

The participants will be introduced to the fundamentals of the Internet of Things and develop an understanding of how to use embedded & wireless hardware and programming skills to realize an ML application.

The participant will be trained with a hands-on approach in order to have an in-depth insight into the domain of computer vision and expose them to the future of computer vision in Educational Canvas.

FDP CONTENTS

This Faculty Development Program proposes the following content:

- Introduction to Computer Vision, Current products, Computer vision for Open source electronics, ML Languages and its Tools.
- Communication Protocols, Interconnections, System. Design and Development.
- Introduction to Computer Vision using Neural Network.
- Real Time Operating Systems.
- Computer Vision Architecture.
- Data Management and Big Data Analytics using computer Vision.
- Research Issues and Case Studies in ML. Hands-on training sessions will be provided with demos on real-time applications.
- Hardware and Software Co-Design.

PROGRAMME OBJECTIVES

To provide exposure to Algorithm in Computer Vision and to enhance the teaching and research skills:

- To form a bridge between the industry and academic institutions to update their knowledge.
- To understand the need for Computer Vision in the research community and the software industry in India.
- To appreciate the differences between Big Data, Cloud Computing and Computer Vision.
- To understand the need for innovative applications, such as Smart City, Smart Health, Smart Manufacturing, Smart Agriculture, etc.
- To train the participants on how to design and program the Computer Vision-based system.

RESOURCE PERSON

Faculty Experts from IITs, NITs, Central Universities and Subject Experts from Industry.

TARGET AUDIENCE

Faculty Members, Research Scholars and PG Students from Engineering / Arts and Science colleges and Industry personnel.

SELECTION

The number of Participants is limited to 50 and participants will be selected on the first-come, first-served basis. The selected candidates will be intimated through e-mail only.

CERTIFICATE

A certificate to the participants will be issued on successful completion of the Faculty Development Programme.

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.

KEY DATES

Last Date for Receipt of Application:
10th November 2022

Commencement of the Programme:
12th November 2022