## RAICHUR UNIVERSITY
### RAICHUR, KARNATAKA, INDIA

## About Us

Its rich history and cultural diversity coupled with great connectivity makes Raichur University an incredible place for international Students of the humanities and Social Sciences to explore the many facets of Indian culture and South Asian history and politics. Raichur University was established in the year 2020, is one of the State Universities of the Karnataka State to cater the needs of higher education of Raichur and Yadgir Districts. The two districts come under Kalyana Karnataka Region of Karnataka State. These districts are declared as aspirational districts by Government of India. The University is located near Yeragera village, Manthralaya Road, Raichur with 250 acres of green campus. The University has twenty Departments with Science, Social Science, Commerce and Arts streams. It serves as ocean of knowledge for over 1500+ students pursuing their master degrees in M.A., M.Sc., M.Com., M. LiSc., MJMC, and MSW courses. The University has systematic and job-oriented Post Graduate Programs with Student Centred Curriculum. The Campus is WIFI enabled with well-equipped Laboratories and Library with text and reference books for all faculties. There are 204 Colleges affiliated to this University, which enrols Graduate/Diploma Courses in Arts, Music, Social Science, Science and Technology, Commerce and Education. This University is equipped with adequate infrastructure for Research and Development, Co-curricular and Extra-curricular activities.

## Cardiff Metropolitan University
### Cardiff, Wales, United Kingdom

## About Cardiff Metropolitan University

Cardiff Metropolitan University, formerly the University of Wales Institute, Cardiff and commonly referred to as Cardiff Met, is a university located in the city of Cardiff.

Cardiff Metropolitan University delivers a wide range of full and part-time taught postgraduate, research and professional opportunities across our five academic schools:

- School of Art & Design
- School of Education & Social Policy
- School of Sport & Health Sciences
- School of Management
- School of Technologies

Programmes that will further develop specialist subject knowledge enhance career prospects and provide a springboard for further study. With academics engaged in the industry and research, the programmes are oriented toward practice-focused and professionally recognised education, ensuring high impact by meeting industry needs and influencing governmental bodies, organisations, and networks across the subjects.

As a driver of education and social transformation, we work with purpose to ensure that every student can realise their full potential to their own and future generations. We are a catalyst for innovation and the economy, and a key contributor to inclusive and sustainable growth both nationally and internationally. A collaborative and compassionate community, our values of creativity, diversity, freedom and innovation are lived through the behaviours of our staff and students; by our leadership, trust, courage and accountability to each other, and to our partners.
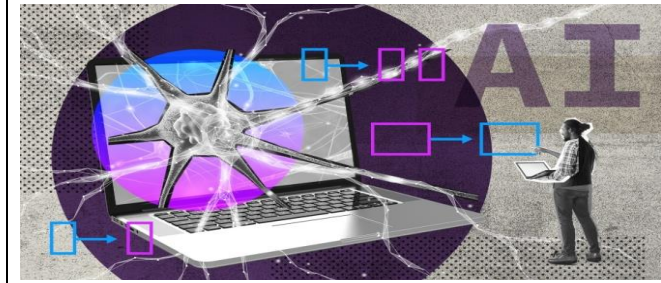
## RAICHUR UNIVERSITY RAICHUR KARANATAKA INDIA / Cardiff Metropolitan University Cardiff, Wales, United Kingdom

### Jointly organizing
### A Five-Day Workshop on
### *Artificial Intelligence and Computer Vision (AICV)*
### *with hands on practice using Python*
### from 26th– 30th March 2024



## About Workshop

Artificial Intelligence (AI) and Computer Vision are two closely related fields that hold significant importance across various domains.

AI and Computer Vision technologies enable automation of tasks that traditionally require human intervention. This leads to increased efficiency and productivity across industries such as manufacturing, healthcare, transportation, agriculture, and more allied establishments.

The workshop is intended to give in depth knowledge on Artificial Intelligent and Computer Vision to the staff and students of Raichur University and affiliated colleges. After completion of the workshop, the staff will acquire the skills to train the students in AI and CV. Also, students will be equipped to write AI programs using python language and carry out their academic and other assignments in AI and CV.

## Focused Area of workshop

- Ethics & Technology
- Introduction to Python
- Machine Learning Concepts
- AI & Robotics & Ethics
- Introduction to Deep Learning and Convolutional Neural Networks
- Different deep learning architectures
- Impact of Technology on environmental & human wellbeing
- Data Augmentation
- Different augmentation techniques and their use
- Learn about Keras, TensorFlow. Explore different application areas related to Data Augmentation
- Transfer Learning
- Data Privacy, Cyber Security & Ethics
- Research Discussion – Meeting

## Registration Link

**https://forms.gle/svWiWN4daxCuMPWg7**

## Organizing Committee, Department of Computer Science

| | |
|---|---|
| Mrs. Nikath Sulthana | |
| Mrs. Sheila | 9620927259 |
| Dr. Mohammed Iliyas | 9986671009 |
| Ms. Divya Dorcas | 8310889114 |
| Mr. Vinod Kumar D. | 9844022629 |
| Mr. Laxmikanth Dixit. | 8970380001 |

## Resource Persons



### Dr Sandeep Singh Sengar
Department of Computer Science,
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Llandaff Campus,
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### Dr Fiona Carroll
Department of Applied Computing and Engineering,
Cardiff School of Technologies,
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Cardiff, Wales, United Kingdom

## With the Patronage of

*Higher Education Department* (HED)
**and**
*Karnataka State Higher Education Council (KSHEC),*
*Government of Karnataka,*
**Bangaluru, Karnataka**

## Chief Patron



**Prof. Harish Ramaswamy**
**Vice-Chancellor, Raichur University, Raichur**

| Patron | Patron |
|---|---|
|  |  |
| **Prof. Vishwanath M.** Registrar, Raichur University | **Prof. Yariswamy M.** Registrar (Evaluation) Raichur University |

## Convener AICV-2024

**Prof. P Bhaskar,**
**Raichur University, Raichur**



## Advisory Committee

**Prof. Parvathi C.S.**,
Dean, Faculty of Science and Technology,
Raichur University, Raichur
**Dr. Raghavendra Fattepur,**
Director, College Development Council
Raichur University, Raichur
**Dr. G.S. Biradar**,
Librarian, Raichur University, Raichur
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**Dr. Bhagyajyothi**, **Dr. Laxmikanth**
a**nd Ms. Rekha Patil**
Technical Officers, Raichur University, Raichur