

# 4<sup>th</sup> International Conference on Recent Trends in Advanced Computing

Theme :Computer Vision and Machine Intelligence Paradigms for Sustainable Development Goals (CVMIP)



**VIT**  
Vellore Institute of Technology  
(Deemed to be University under section 3 of the UGC Act, 1956)



11-12 November 2021

Vellore Institute of Technology, Chennai, Tamil Nadu, India

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## Important Dates

Full Paper Submission :  
August 02, 2021  
Notification of Acceptance of Paper :  
October 01, 2021  
Registration by the accepted authors:  
October 15, 2021  
Submission of camera ready papers:  
**October 22, 2021**

## Call for Papers

Computer vision and machine intelligence techniques are playing a pivotal role in achieving sustainable development goals. It's becoming an essential part of current trends like Internet of Things, brain human interfaces etc.,. Today, the large data termed as big data is available easily and is growing exponentially. Researchers can take advantage of this big data, trained with intelligent vision techniques to interpret, understand and reflect the visual world in a better and easier way. Computer vision combined with machine intelligence is spreading it's wings in various domains like mobile applications, business tools, IoT, lifestyle, health, social media, finance, automobile, robotics etc.,. Nowadays complex human activities are even been recognized and monitored through multimedia streams using intelligent and vision techniques. Increasing number of novel applications direct the potential of increased research in all areas thereby attracting the research community to deliver potential solutions to mankind to achieve sustainable development goals.

## Objectives

The objectives of this conference are:

- To explore the potential usage of smart techniques to provide innovative solutions in image analysis.
- To investigate novel and state-of-the-art methods in computer vision coupled with intelligent techniques including machine learning, deep learning and soft computing techniques.
- To provide a prominent interdisciplinary platform for researchers, practitioners and educators to deliver and discuss the contemporary innovations, trends, and concerns in computer vision thereby suggesting solutions to real world problems adhering to sustainable development.

## Technical Scope

**Track 1:** Image/Video preprocessing (Innovations and experiences in preprocessing techniques to improve utilization of existing image and video).

**Track 2:** Image/Video Understanding & Analysis (Methods to improve interpretation, understanding and analysis to capture relevant information).

**Track 3:** Motion and Tracking (Algorithms to improve accuracy in object tracking)

**Track 4:** Applications and Services to achieve sustainable development goals (Computer vision based solutions to achieve 17 sustainable goals identified by UN)

## Submission

All manuscripts should be submitted online at: **ICRTAC 2021** Easy Chair Link <https://easychair.org/conferences/?conf=icrtac2021>

## Publications

All accepted papers will be published in Scopus indexed proceedings (waiting for approval)

## Contact

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