

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year.



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3.4.4 Details of books and chapters in edited volumes / books per teacher during the year

Sl. No.	Name of the Teacher	Title of the Book published	Title of the Chapter published	Title of the proceedings of the conference	Name of the conference	National / International	Year and month of publication	ISBN of the Book/Conference Proceeding	Affiliating Institute of the teacher at the time of publication	Name of the Publisher
1	Dr R.Prabha &D.Roopaa	Artificial Intelligence	Artificial Intelligence	NA	NA	National	Okt 2022	978-93-5577-295-4	Sri Sairam Institute of Technology	Charulatha
2	J.Thirunavukkarasu& Prabakar Godwin James	Cloud Computing	Cloud Computing	NA	NA	National	2022	978-93-5625-590-6	Sri Sairam Institute of Technology	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE
3	P.Ashok & P.Suganthi	Introduction to Computer Network and Security	Introduction to Computer Network and Security	NA	NA	National	2022	978-93-5625-543-2	Sri Sairam Institute of Technology	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE
5	Dr R.Prabha	An Empirical Analysis and Challenging Era of Blockchain in Green Society	Lecture Notes in Networks and Systems	ICCIS 2022, Volume 2	ICCIS 2022	International	2022	https://doi.org/10.1007/978-981-99-2322-9_15	Sri Sairam Institute of Technology	Springer Nature
6	G. Akilandasowmya	Computer Networks	NA	NA	NA	International	NA	NA	NA	NA
7	Dr.G.Saravanan	Wireless Networks	NA	NA	NA	National	Juli 23	978-93-5757-390-0	Sri Sairam Institute of Technology	SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE
8	Dr.G.Saravanan	Motion Picture Capturing with ML Techniques	NA	NA	NA	International	Juli 23	NA	Sri Sairam Institute of Technology	KGS
9	Dr.G.Saravanan,R.Lakshmidevi,Ramprasad Maharana	Gauntlet based visual signalling for obscured sightline	NA	NA	NA	International	Juni 2023	NA	Sri Sairam Institute of Technology	KGS
10	Dr.V.Selvakumar	Investment Analysis and Portfolio Management	Book	NA	NA	international	2022	7.88196E+11	Sri Sairam Institute of Technology	Wisdom India Publication
11	Dr.V.Selvakumar	Research Methods In Business	Book	NA	NA	international	2023	978-81-962564-8-7	Sri Sairam Institute of Technology	Wisdom India Publication
12	Dr.P.S.Immaculate	Entrepreneurship Development	NA	NA	NA	international	2023	452385	Sri Sairam Institute of Technology	NA
	Ilakkiya T	Fundamentals Of Human Resource Management	Book	NA	NA	international	2023	9.78939E+12	Sri Sairam Institute of Technology	NA
13	Ilakkiya T	Research Methods In Business	Book	NA	NA	international	2023	978-81-962564-8-7	Sri Sairam Institute of Technology	NA
14	Ilakkiya T	Introduction To Business Law	Book	NA	NA	international	2023	9.78939E+12	Sri Sairam Institute of Technology	NA
15	Ilakkiya T	Personal Policy: The key empowerment factor for In	Book	NA	NA	international	2023	978-81-943033-7-8	Sri Sairam Institute of Technology	NA

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CLOUD COMPUTING

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Mr. R. Vedamoorthy

Mr. M. Vaithyanathan

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Author's Profile



Mr. Sahil Bains holds a Masters degree in Library and Information Science (M.L.I.Sc.) from University of Jammu, J&K and is currently pursuing Ph.D from G.N.D.U. Amritsar. He has qualified the National Eligibility Test (2 consecutive times) in Library and Information Science. He has presented/published a number of research papers.



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Introduction to Computer Network and Security

Introduction to Computer Network and Security

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Mrs. P. Suganthi





TOP 5 TECHNOLOGY TRENDS IN WORLD TRANSFORMING DATA TO KNOWLEDGE

**Dr V Suryanarayana
V. Sowjanya**



Real Time Face Detection and Person Tracking Using Deep Learning

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Abstract— In today's culture, security and surveillance have become significant aspects of our lives. Surveillance technology has come a long way in recent years. Many crimes that would have been difficult to solve without CCTV footage have been solved because of it. However, sifting through hours and hours of CCTV footage in search of a suspect is a time-consuming task. This is something we'd like to automate. The ability to track the suspect(s) through many CCTV footages, even in different regions of the world, is made possible via facial tracking. Face recognition techniques are used, and each person is given a unique identity badge. The suspect is tracked either by searching for the identifying tag or by uploading the person's face. The person's face is checked against the live feed of many CCTV cameras, and if the suspect(s) is identified, the appropriate authorities are contacted.

Keywords—*Person Tracking, Computer Vision, FaceRecognition, Automated Surveillance*

Introduction

Our algorithm uses a combination of OpenCV [1] and Deep learning techniques to achieve its intended result. The live footage which is obtained from various CCTV cameras or any device which has a respectable camera is the source of the data. Then basic face detection algorithms such as Viola Jones algorithm [2] is used to detect faces. Then the region of interest (ROI) which is normally a human face, is separated and face recognition operations are performed on it. Face recognition is usually one-shot which means

Top 5 Technology Trends in World Transforming Data to Knowledge

there is no need for large amounts of training sets required for recognizing a particular face in the given footage. The face recognition algorithms are trained on thousands of images prior to implementation so that it can recognize the important landmarks of the given face and read the features which are unique to any particular individual. Then we use the Convolutional Neural Networks (CNN) to classify the images based upon their features. CNNs which usually implement one shot learning are called Siamese Networks [3]. Using Adaboost [4] technology the weights are assigned dynamically with each network starting with equal weights. This helps to elevate the important or essential features and suppress the unnecessary features. This provides a dynamic recognition system to adapt to any given face. The features which are of utmost importance are prioritized over unimportant or trivial features. In the case of most faces, the shape of the chin and shape of the fore head is prioritized more over uninteresting features such as moles and orientation of the face. In order to retrieve the maximum amount of data from a single or a very limited amount of images of an individual different operations are performed over the image frame such as stretching, cropping and orientation in order for the training set to be more efficient over a plethora of angles and distances. This type of editing can be done either natively using OpenCV or by the use of any 3rd party software editing tools such as Picasa. Each person then identified indicates a unique face. If a person is already identified then his/her value is not updated into the database. Instead the person is re-identified as a person already identified before. Unique faces which are identified are stored in a database continually updated in real time. A person if he/she appears in range of any other cameras is identified immediately since all the cameras are connected to a common database. Since deep learning is involved, minor occlusions to the input stream does not impact the accuracy of the data. Using this technology, a person can be tracked in real time anywhere in the world.

PYTHON

(Problem Solving and Programming)

```
class Mirror:
    def __init__(self):
        self._mirror_on = True
        self._mirror_off = False
        self._mirror_on_again = False
    def _operate_mirror(self):
        self._mirror_on = not self._mirror_on
        self._mirror_off = not self._mirror_off
        self._mirror_on_again = not self._mirror_on_again
```

```
def select_mirror():
    """Select the end - add back the deselected mirror"""
    mirror_obj.select=1
    modifier_obj.select=1
    by.context.scene.objects.active = modifier_obj
    print("Selected " + str(modifier_obj)) # modifier ob is
    mirror_obj.select = 0
```

P. Subha

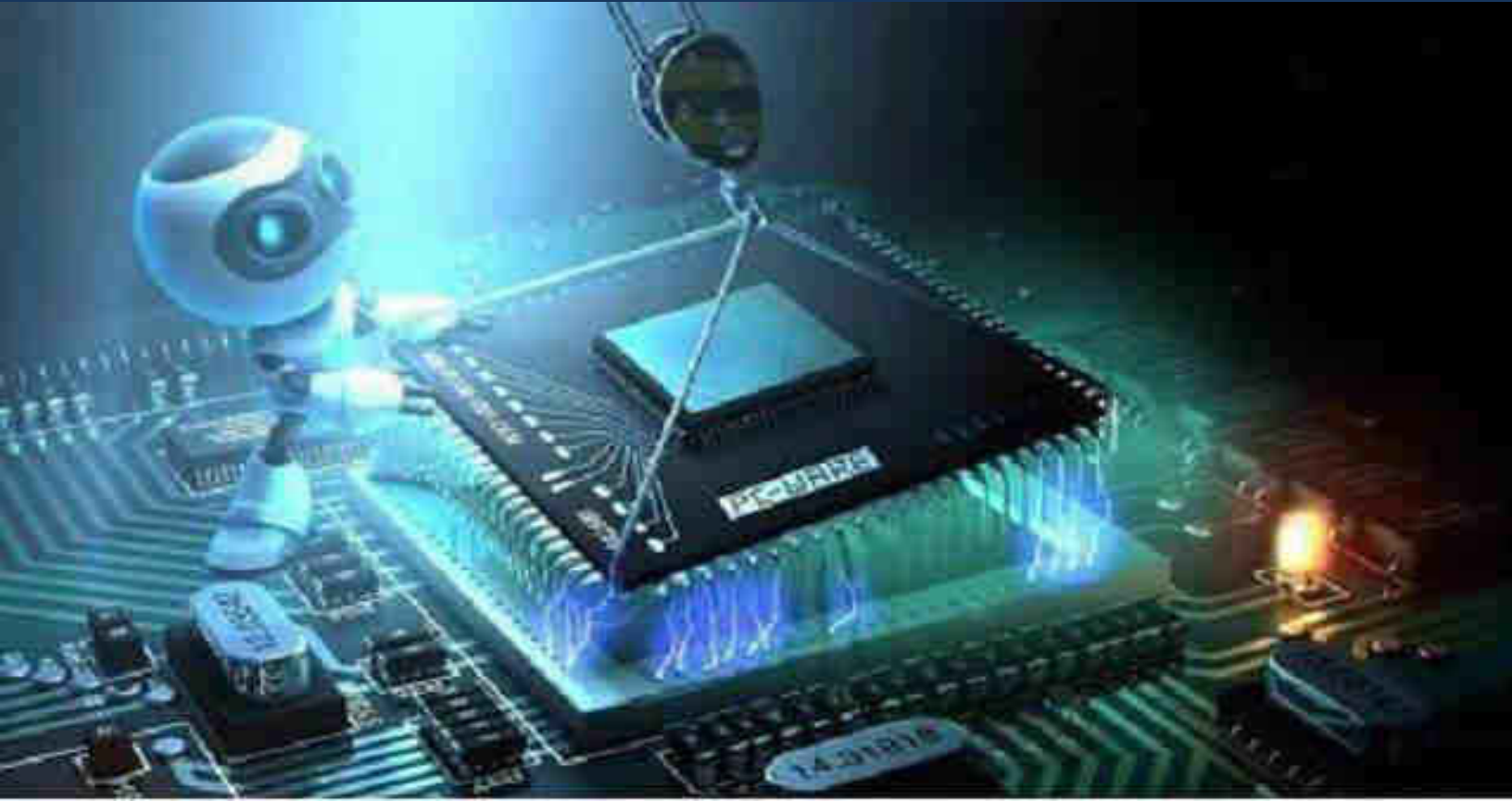
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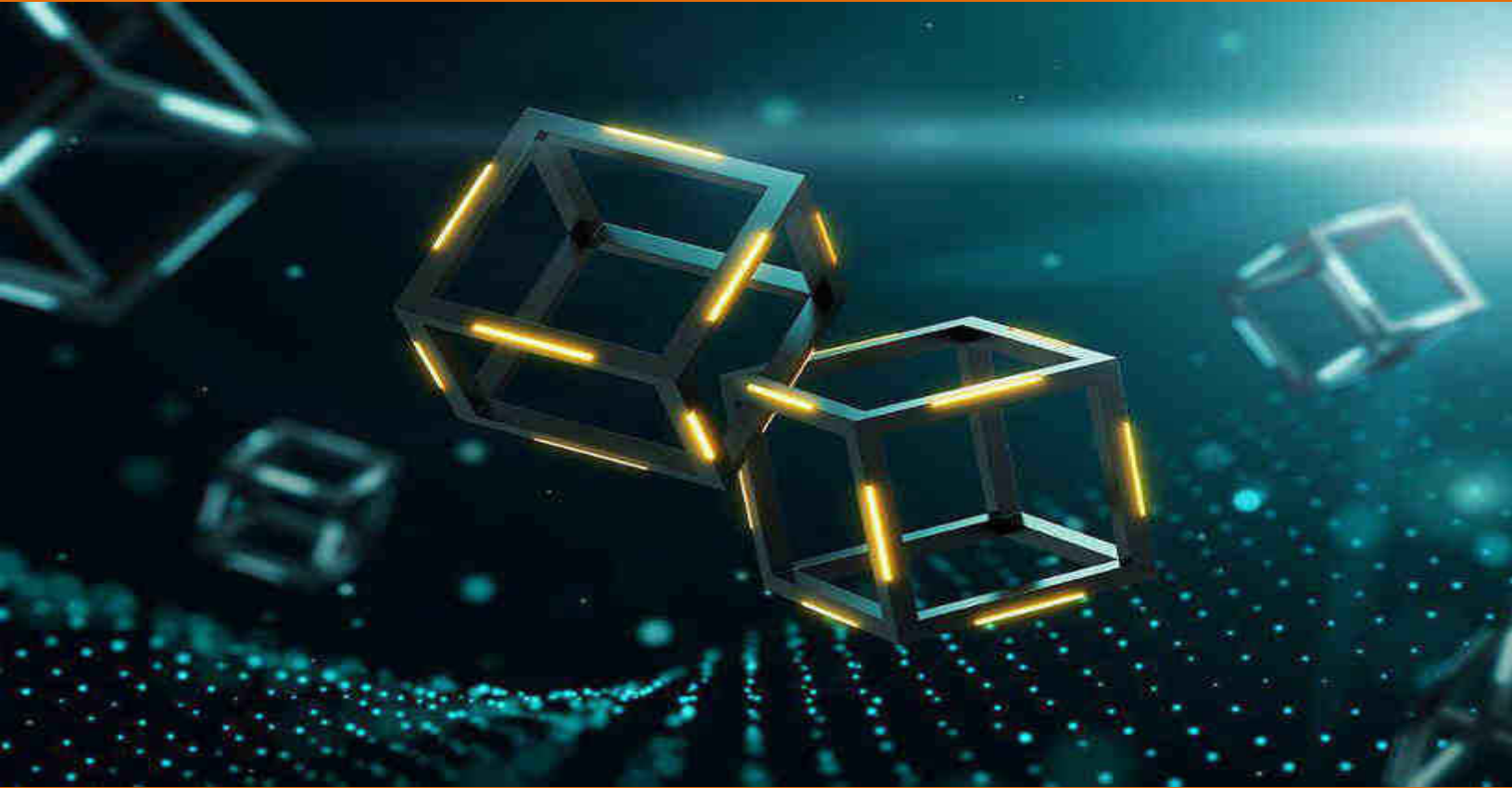
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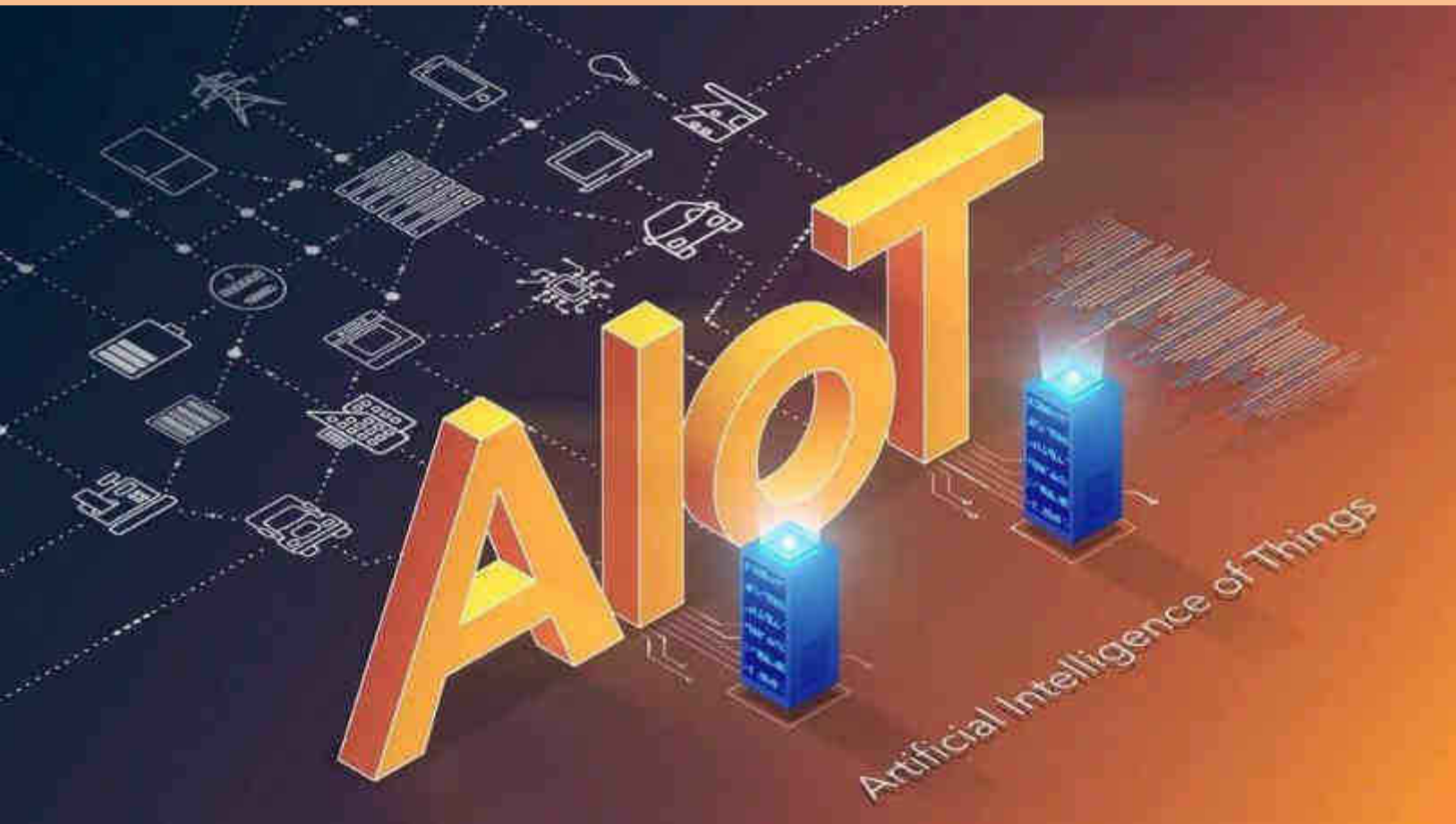
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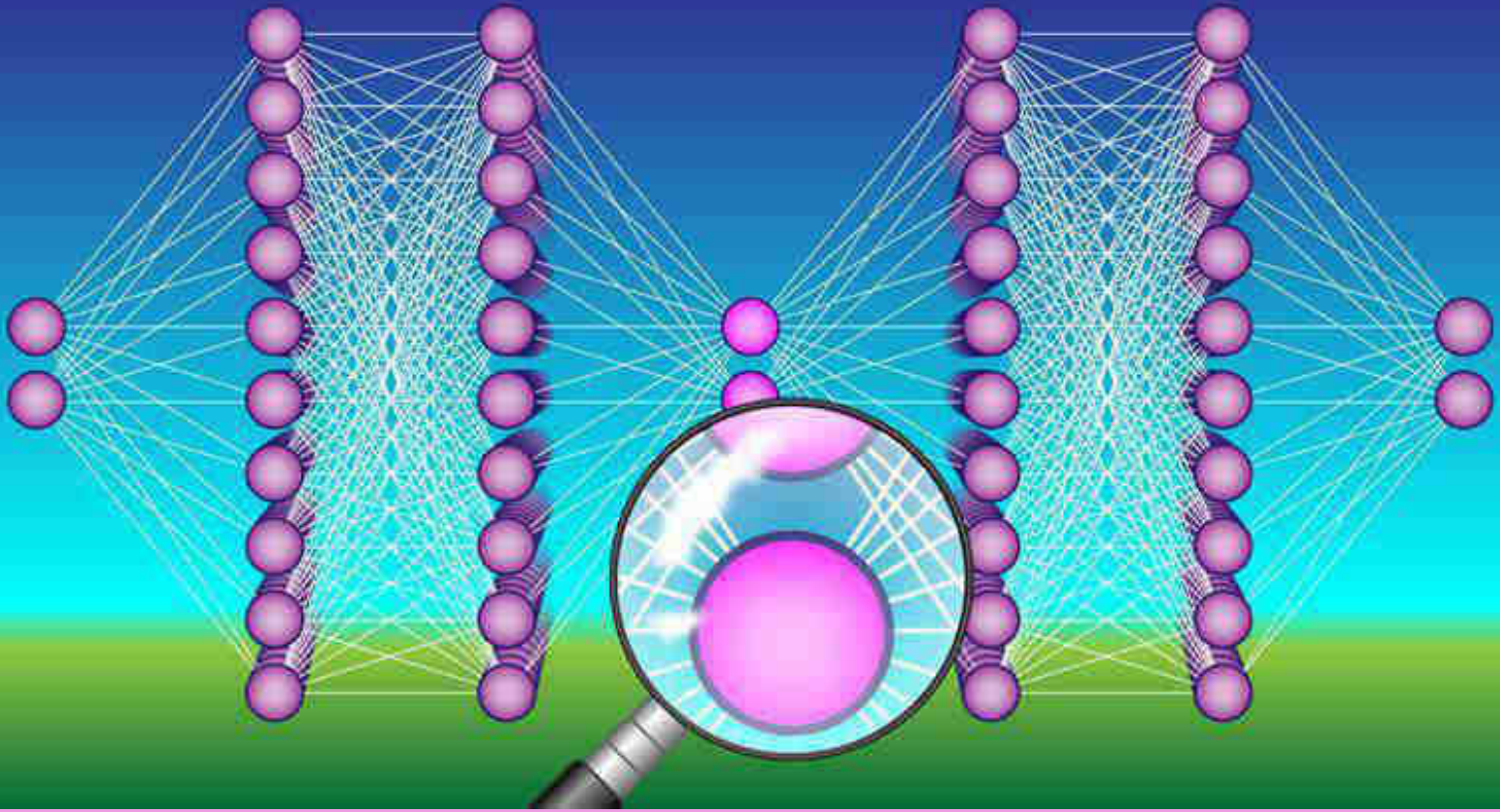
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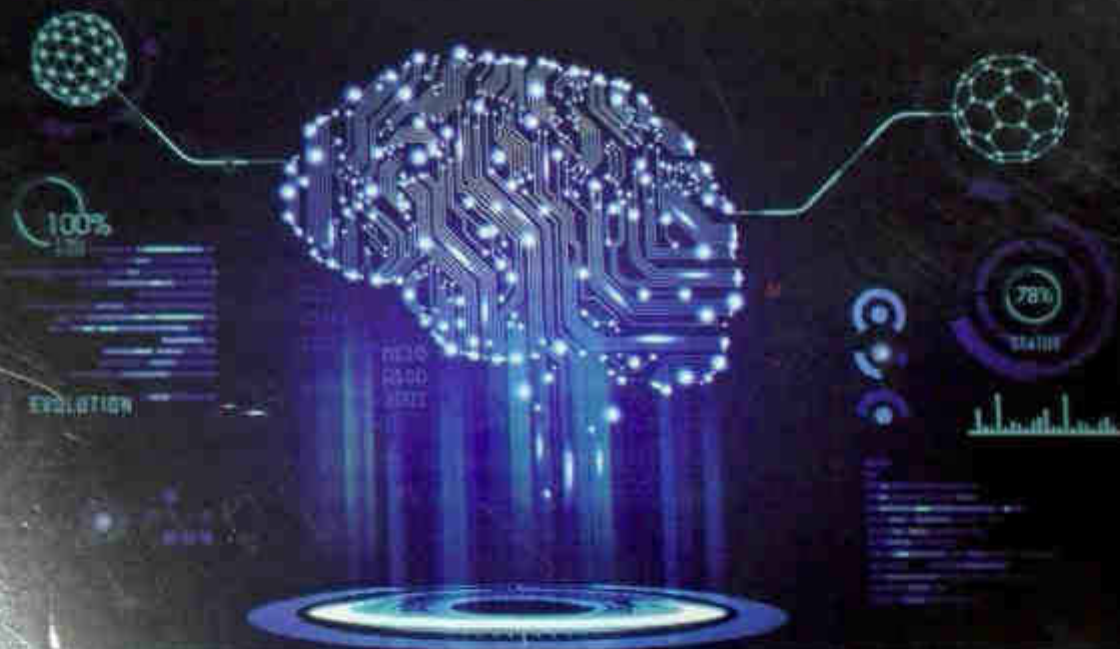
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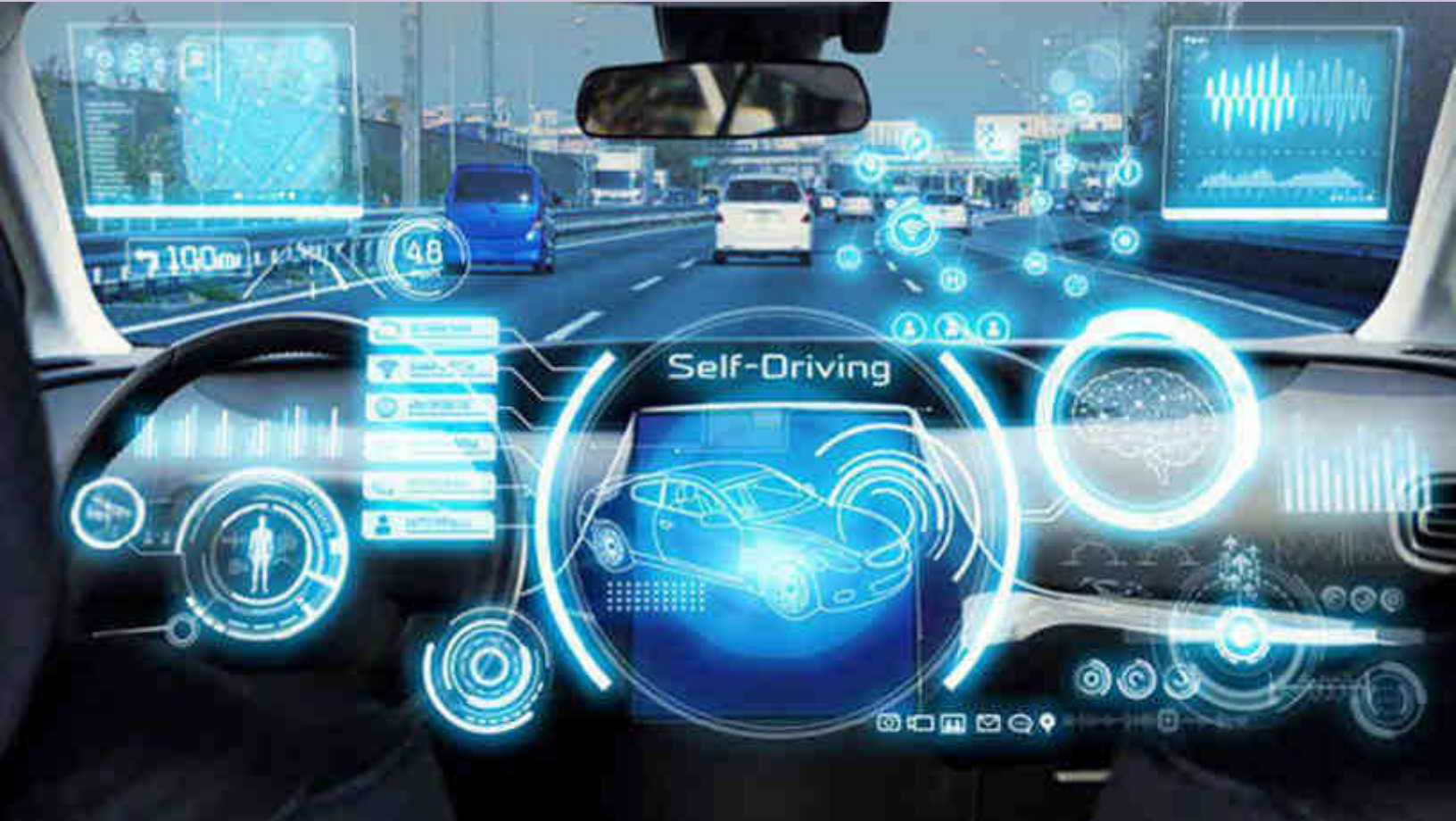
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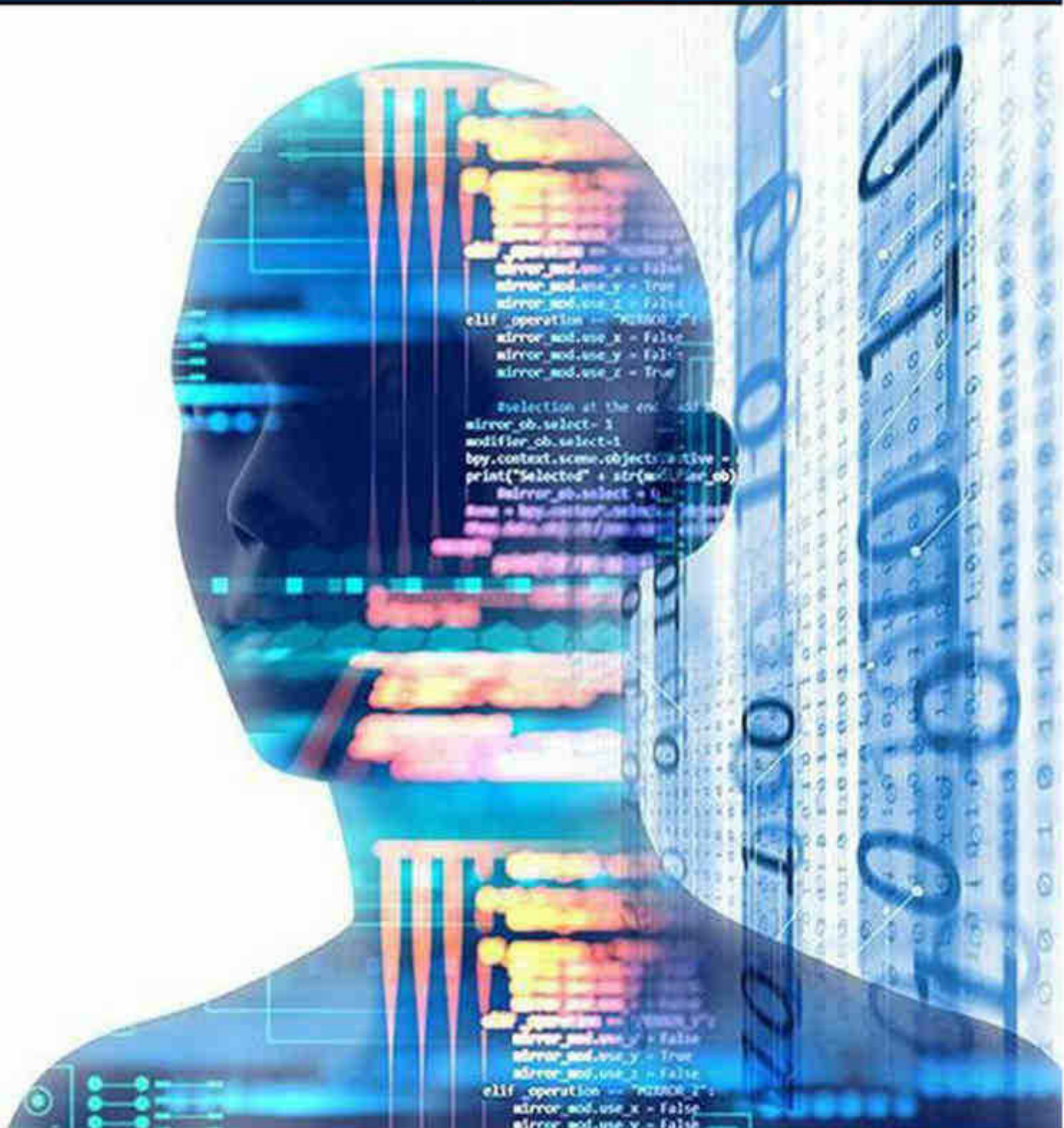
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Programming in C

Sub. Code : CS8251

```
#include <stdio.h>

int main() {
    int v = 0;
    printf("
return
```

Programming



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Dated 20th November 2020

To

B.Sreedevi¹, and P Rayavel²

1, 2 Department of Computer Science and Engineering Sri Sai Ram Institute of Technology, Tamil nadu, India

**Corresponding Author*

Subject: Acceptance letter for manuscript (2020/BP/7650D) as a book chapter of Advanced Aspects of Engineering Research

Dear Dr. B. Sreedevi,

We are pleased to inform that your manuscript (Ref. no: **2020/BP/7650D**) entitled "**Playing Games in Computers without Physical Interaction Using Electroencephalography for Differently abled.**" is ACCEPTED for publication as a **book chapter in the following book: [Advanced Aspects of Engineering Research](#)**

Thank you for submitting your manuscript in [Advanced Aspects of Engineering Research](#)

Thanking you.

Dr. M. Basu

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