



**School of Computer, Information and Mathematical Sciences**  
**Department of Computer Science and Engineering**

**Hands-On Workshop “Computer Vision Using  
OpenCV” on 20<sup>th</sup> August 2024**

**Venue: BSAU Apple IOS Application Development Center**

**Time: 11:00 am to 4:10 pm**

## **School of Computer, Information and Mathematical Sciences**

### **Event Report**

Name of the Event: Hands-On Workshop “Computer Vision Using OpenCV”

Date : August 20, 2024

Venue : BSAU Apple IOS Application Development Center

Total number of participants who attended the workshop: 35

Department of Computer Science and Engineering, B S Abdur Rahman Crescent Institute of Science and Technology had organized a hands-on workshop titled “Computer Vision Using OpenCV ” on the 20<sup>th</sup> August 2024. Around 24 students of II Year, 09 students of III Year and 02 students of IV Year B.Tech. CSE, AI&DS and Cyber Security had actively participated in the workshop conducted by M.B Ajwadh Jalal and Aadel Mohamed Rabeek. The workshop was coordinated by Dr. X. Arputha Rathina, Assoc. Prof/CSE, Dr. L. Arun Raj, Assoc. Prof/CSE and Dr. B. Dhanalakshmi, Assoc. Prof/CSE.

### **Objectives:**

- To learn the basic concepts of Computer Vision
- To learn image processing tasks.
- To learn video processing tasks.
- To implement a simple project that utilizes basic image processing techniques.

### **Activities during the workshop:**

The session kickstarted with a brief introduction of the club and its coordinators. After which, Ajwadh Jalal M B took over the session by deep diving into the workshop. The hands-on workshop implored participants to explore the image and video processing techniques that can be implemented using python OpenCV. A precise introduction to Computer Vision was provided by the resource person. Aadel Mohamed then took over the session to demonstrate how image classification can be done using yolo v8 by elaborating on his “Distracted driver recognition” project. Finally, the event was wrapped up by engaging the students in an exciting hands-on project “Contour and Shape detection”.

### **Outcomes:**

- Participants developed a clear understanding of the fundamental concepts of computer vision.
- Students successfully implemented image and video processing techniques using OpenCV.
- Students gained insights into advanced techniques through a demonstration of image classification using YOLOv8.
- Hands-on projects, such as “Contour and Shape Detection,” enabled participants to practically apply the concepts learned during the workshop.

### **This report discusses about the following aspects:**

1. Event brochure
2. Participants list
3. Student feedback
4. Sample Certificate
5. Event gallery

## EVENT BROCHURE



Association for  
Computing Machinery



NEURAL  
TECHGENIX  
CLUB



B.S. Abdur Rahman™  
**Crescent**  
Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956

**DEPARTMENT OF CSE**  
**IN ASSOCIATION WITH BSAU APPLE-IOS ADC**  
**PRESENTS**  
**HANDS-ON WORKSHOP**  
**Computer Vision using OpenCV**  
**SESSION BY**

**M.B Ajwadh Jalal**  
President - NTC

**Aadel Mohamed**  
CRDO - NTC



**20/08/2024**  
11:00 AM to 4:10 PM



**BSAU Apple iOS Application  
Development Centre**  
2nd Floor, Admission Block

**Agenda:**

1. Intro to OpenCV
2. Image Processing
3. Face Detection
4. Object Detection
5. Object Tracking
6. Intro to YOLOv8

**Register Now**

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**Register Now!**  
**Limited Seats  
Available**



**Conveners**  
Dr. Sharmila Sankar, Dean (SCIMS)  
Dr. W. Aisha Banu, HOD/CSE

**Coordinators**  
Dr. X. Arputha Rathina, Assoc.Prof/CSE  
Dr. L. Arun Raj, Assoc.Prof/CSE  
Dr. B. Dhanalakshmi, Assoc. Prof/CSE

**Co-Coordiators**  
Mrs. Sowmiya, AP/CSE  
Mrs. Joy Kiruba P, AP/CSE  
Mrs. Nithya B, AP/CSE

**Student Coordinators:**  
Hameem Muthassir  
M. Habeeb Moulana

+91 8608913525

neural\_techgenix\_club

## PARTICIPANTS LIST

NAME	RRN	YEAR	DEPT&SECTION
Faheem Ahamed M	230171601038	II	AI DS - A
Aneesa Tabasumm k	230171601022	II	AI DS - A
Faheema Bushra	230171601039	II	AI DS - A
SAMEER HUSSAIN S	230171601162	II	AI DS - C
NAVEED AHAMED S	230171601152	II	AI DS - C
Syed Faaz	230171601184	II	AI DS - C
Sheik Ahmed Yaseen la	230171601170	II	AI DS - C
Vignesh.A	230171601195	II	AI DS - C
Sabilah	230171601159	II	AI DS - C
Vishwanathan .M	230171601196	II	AI DS - C
Stefina E	230171601177	II	AI DS - C
Tawheed ali khan	230171601191	II	AI DS - C
A.Shameer	230171601169	II	AI DS - C
AVANTHIKAA S G	230071601036	II	CSE - A
Noorul Haashir	230071601165	II	CSE - C
Mohammed Nadeem TK	230071601140	II	CSE - C
J M Rahmaan	230071601172	II	CSE - C
Nihal sheriff	230071601142	II	CSE - C
Zainab	230071601252	II	CSE - D
V.logapriya	230191601019	II	IOT
Aryaan Abdullah	230191601006	II	IOT
Iswarya A	230191601014	II	IOT
Mahalakshmi S	230191601020	II	IOT
Safiq Irfan A	230191601044	II	IOT
M.Mohammed Salman	220171601070	III	AI DS - B
Syed Shabib Ahamed	220171601124	III	AI DS - B
Zafeera	220171601132	III	AI DS - B
Aasha Rasina	220071601002	III	CSE – A
AAFIYAH TASNEEM	220071601001	III	CSE - A
Nasreen Begum	220071601190	III	CSE - C
Muhammad Waseem	220071601179	III	CSE - C
T.Pavithra	220071601198	III	CSE - C
Zuhair Mohamed Hussain	220071601273	III	CSE - D
Aleesha Faheema	210071601023	IV	CSE - A
Deivanai K V	210071601048	IV	CSE - A

## STUDENT FEEDBACK

### Feedback regarding the session

24 responses

It was good

It was nice

Really good, a good opening window into computer vision.

It was a very informative session

Seriously very useful and waiting for more work shops.

It was informative and helpful.

Splendid

It was nice . A practice session would be helpful.

Yea the event was good

### Feedback regarding the session

24 responses

I would prefer more secession and more better details

Very good

Was satisfied

Instead of one day if it is for two days, then time would be sufficient for both learning and hands on experience

Good

It will be very helpful to me to gain more knowledge about computer vision

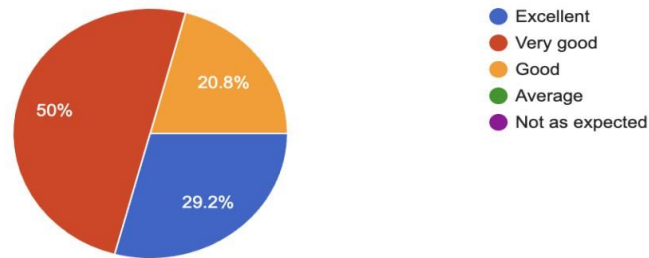
The session was nice .But if we gone some hands-on practice it may be more interesting

Learnt new concept and it was a good experience. Hands on workshop can be conducted based on this topic again.

### Rate the workshop session

24 responses

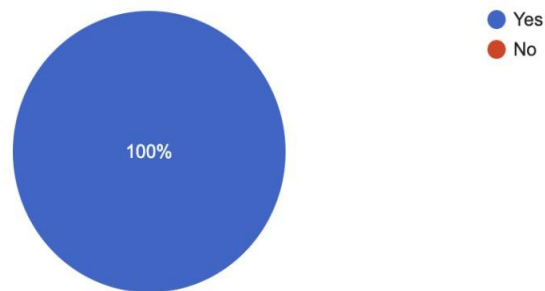
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### Would you like to attend future events organized by our club

24 responses

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### Do you have any additional comments or suggestions for conducting future events

17 responses

No

Nil

Nothing

Nothing

Nothing

None

More practicing would be better

I would like to give us more activities that could motivate us

Very good

Overall, the students were satisfied with the conduct of the workshop and everyone was happy about the learning and are interested for future events in the same domain.

## SAMPLE CERTIFICATE



Association for  
Computing Machinery



NEURAL  
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CLUB



B.S. Abdur Rahman™  
**Crescent**  
Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956

# Certificate of Participation

Is hereby presented to

## [recipient.name]

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Of B.Tech. [custom.deptnsec] and RRN: [custom.rrn] for their active participation in the Workshop, "Computer Vision using OpenCV" and commitment towards the assigned tasks and activities during the workshop.

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Dean SCIMS

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HOD CSE

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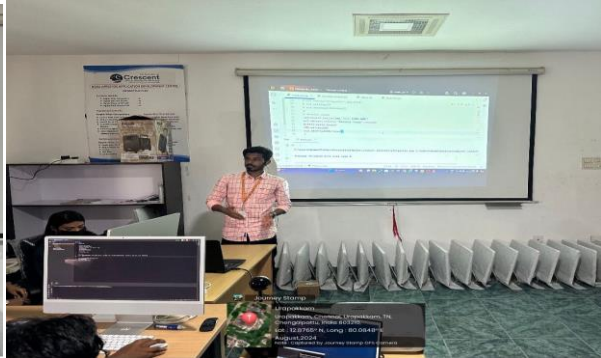
Coordinator



Certificate ID: [certificate.id]  
Issued on: [certificate.issued\_on]  
neuraltechgenixclub@gmail.com



## EVENT GALLERY



### Faculty Coordinators

Dr. X. Arputha Rathina, Assoc. Prof./CSE

Dr. L. Arun Raj, Assoc. Prof./CSE

Dr. B. Dhanalakshmi, Assoc. Prof./CSE

Mrs. Sowmiya, AP/CSE

Mrs. Joy Kiruba P, AP/CSE

Mrs. Nithya B, AP/CSE

### Head of the Department

Dr. W. Aisha Banu