

“BUILDING COMPUTER VISION AI MODEL”

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| Semester: | 3 rd Semester |
| Event Type: | Workshop |
| Event Name: | BUILDING COMPUTER VISION AI MODEL |
| Date/Duration: | 08-02-2023 |
| Associated Professional Bodies | ISTE, CSD Adroit Club |
| No. of Students: | 65 |
| Speaker Details: | Mr. Varun Poladiya, Head Marketing, navan.ai , Bengaluru |
| Online link/Offline: | Offline |

Event Objectives:

- Provide a platform to students for Experiential learning.
- To provide an opportunity for students to explore Computer Vision AI Models.
- Focus on identifying real-world problems and their solutions with no coding using Computer Vision AI Models

Event description with pictures:



Fig. Workshop poster

The resource person was welcomed by the CEO Dr. KVA Balaji. The event started with the welcome address by the CEO Dr. KVA Balaji and Principal Dr. Dilip Kumar K. of KSIT. The speaker Mr. Varun Poladiya is from navan.ai were facilitated florally. The HoD of Computer Science and Engineering Dr. Rekha Venkatapura, HoD of AIML Dr. Vaneetha M and HoD of CSD Dr. Deepa S R welcomed the guests.

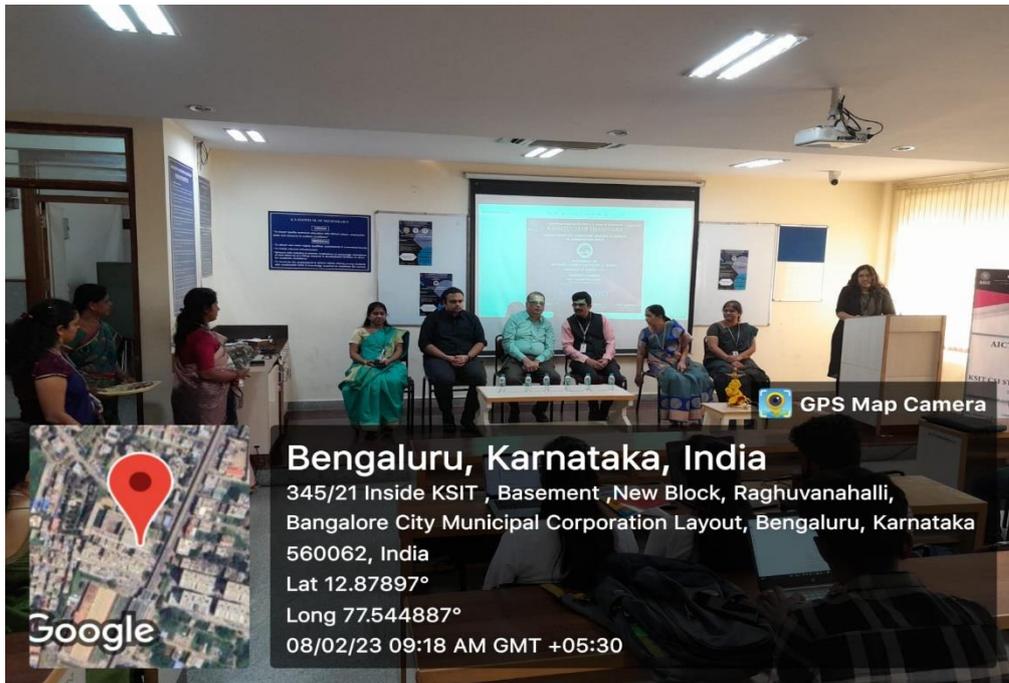


Fig. Workshop Inaugural

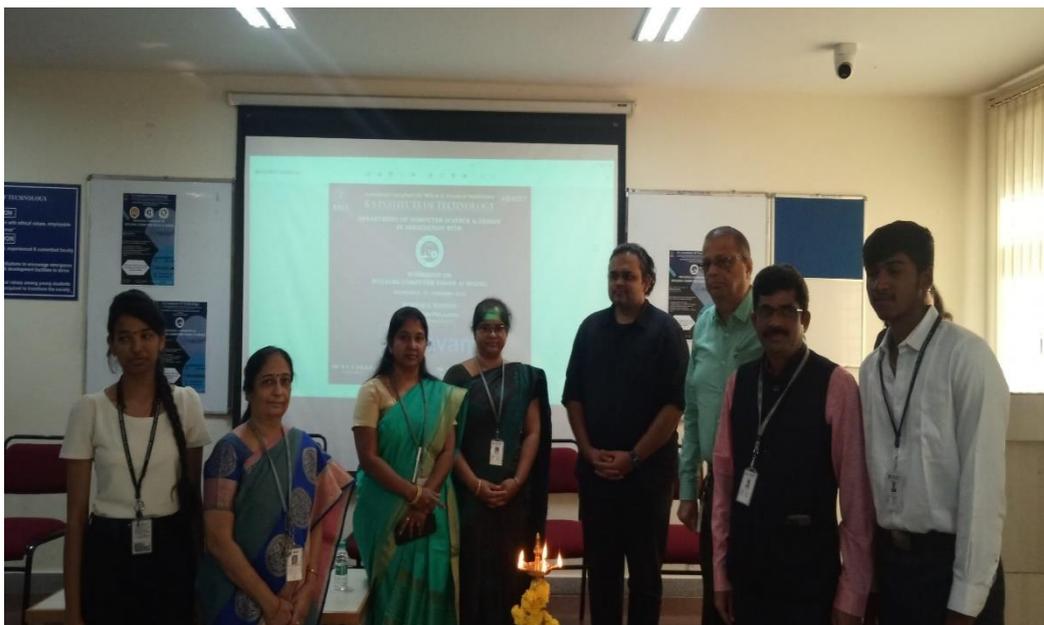


Fig. Lamp lighting at Workshop Inaugural



Fig. Welcoming Guest By CEO Dr. K. V. A Balaji

The workshop began with the resource person introducing us to what Artificial intelligence is and what Computer vision is. the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages. Computer vision is a field of artificial intelligence (AI) enabling computers to derive information from images, videos and other inputs— and take actions or make recommendations based on that information



Fig. Workshop Session

The objective of the workshop was to bring students closer to a tool to be able to execute their ideas on AI and learn about how computer vision works.

The students were introduced to ‘FLUTTER’ where they are one step closer to building apps and integrate computer vision models built by them. Models built on Flutter works on both Android and IOS.



Fig. Resource person addressing students

The students were further given a hands-on experience of how to create models on computer vision. Each student was made to work on their laptop and create a computer vision model and test it. The students were first made to download a data set which they would use in their model. They were then instructed to use the EfficientNet B0 for Image Classification. They then uploaded about 100 images in each class and renamed their classes based on their data set.

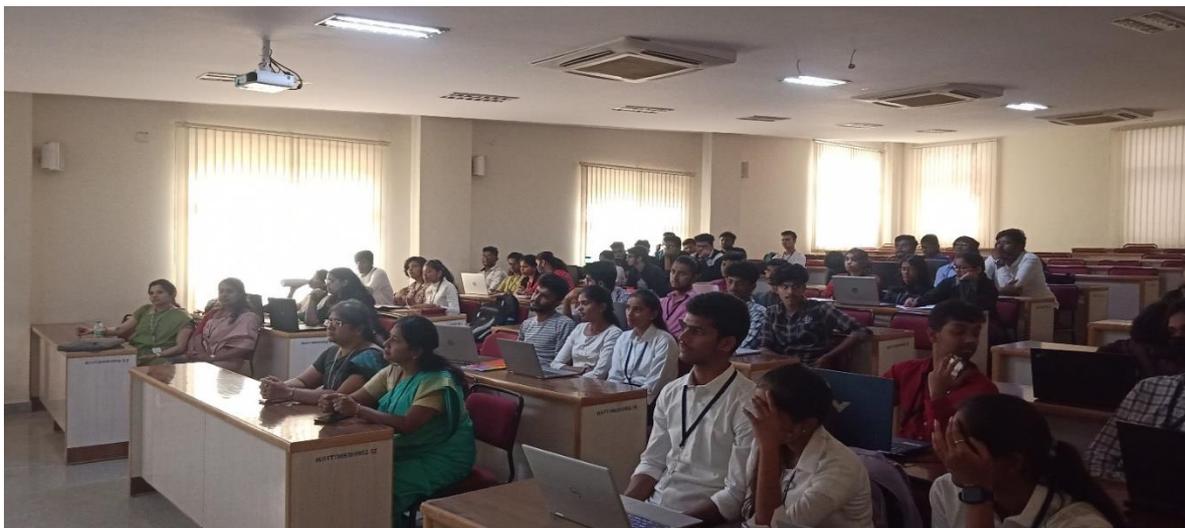


Fig. Students attending the session



Fig. Hands on session

Speaker concluded the session by giving an insight in to the career options in the field of new ideas with AI and Computer Vision. This workshop was an opportunity for all the students to come together as a community to learn, share and explore new ideas with AI and Computer Vision.



Fig. Presenting Memento to Resource person

| EO# | EVENT OUTCOMES |
|------------|--|
| EO1 | Identify Real-world Problems and applications of Computer Vision |
| EO2 | Design and develop Computer Vision AI model-based solutions for problems in thrust areas. |
| EO3 | Analyse the solution with the existing systems and demonstrate the result through no coding. |

EO-PO Mapping

| EO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| EO1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | - | 3 | - | - | 3 | 3 | 3 |
| EO2 | 3 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| EO3 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 |
| | 3 | 2.6 | 3 | 2 | 3 | 2.6 | 1.6 | 2 | 3 | 2 | 1.3 | 3 | 3 | 3 |

| | |
|---|--------------------------------|
| 3 | Substantial (High) Correlation |
| 2 | Moderate (Medium) Correlation |
| 1 | Slight (Low) Correlation |
| - | No correlation. |

PO's Attained: PO1, PO2, PO3, PO6, PO7, PO9, PO12

PSO's Attained: PSO1, PSO2

Event Coordinator

HoD

Principal