

# NARAYANA ENGINEERING COLLEGE::GUDUR

## INNOVATION AND INCUBATION CELL

Narayana Engineering College, Gudur(NECG) is one of the most forwarding thinking and innovative educational institutions, started innovation and incubation center to enable its students to get first hand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of support including mentoring, training programs, networking and other benefits.

Just as one cannot imagine a college today without a library or a place for physical activity, we believe that an incubation center in Narayana Engineering college Gudur is equally essential in today's competitive and fast changing world. Through this innovation and incubation center, students gain hands-on experience in innovation and entrepreneurship while being nurtured and encouraged by faculty, management and industry experts. It hopes to bring forth a revolution in how and what students learn and achieve while in college.

### Activities under Innovation and incubation Cell in NECG

- Eminent personalities are invited from various industries. seminars and workshops are organized with them.
- To give support for entrepreneurship.
- To assist them in developing Innovative projects.
- To facilitate and provide the tools for technology development and implementation in the labs.
- To give assistance for doing Projects and to exhibit them, and plans for product development.
- To give assistance for Start ups

## Membership Form:

Eligible students are required to apply for membership in prescribed form. Interested Students are required to collect **MEMBERSHIP APPLICATION FORM**. Filled-in application forms can be also be submitted to the Professor-Incharge of IIC-NECG.

## Benefits of Membership:

- Participation in Ideation fests.
- Participation in the seminars and Workshops.
- Participation in Certificate Programme.
- Industrial visits to successful Enterprises/Techno Parks.
- Mini projects guidance through industry experts.
- Counseling and Mentoring for Entrepreneurial ventures.
- Product Development guidance through Brain-Storming Sessions with Technical Experts from various fields.
- Soft skill training programmes to enhance the agility on a continual basis.
- Facilitating the Existing Entrepreneurs in business development process and product development.

## SEMINARS:



## A Start Up:

<https://projectgeek.tech/yashu.html>

A screenshot of the Project Geek website. The background is a dark green with a wooden desk, a laptop, and a coffee cup. The Project Geek logo is in the top left. The main title 'PROJECT GEEK' is in large white letters, with the subtitle 'AN IT PROJECT DEVELOPMENT & LEARNING HUB' below it. A yellow button is visible. The footer contains the website link, creator information, and department name.

CT GEEK

HOME PROJECTS CONTACT DEVELOPER BLOG

**PROJECT GEEK**

PROJECT GEEK

Project Geek is a Information technology project development and learning platform in which people can learn and expose to computer science projects on various technologies. It also contains a blog, which includes technology related blog posts.

WEBSITE LINK  
[WWW.PROJECTGEEK.TECH](http://WWW.PROJECTGEEK.TECH)

CREATED BY  
YASWANTH SAI  
PALAGHAT

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# Innovative Projects: CSE

## **AUTOMATIC ATTENDANCE MARKING USING FACE RECOGNITION AND DEEP LEARNING**

The main goal and objective of this automated attendance system of face detection and recognition is to present face recognition in real time environment, to see and mark the attendance of their students and employees on a daily basis to keep track of their presence. The system will mark and record the attendance in any environment. This system is automated and user can capture video and accordingly attendance will be marked, improving the accuracy to great extent and finally the attendance report will be generated. It uses opencv and tkinter packages of python. Training can be done using convolutional neural networks.



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**P.SAI SAHITHYA**

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# DETECTING FACE ATTRIBUTES OF AN IMAGE USING CNN

This project detects the faces in the live video and returns the emotion of the face in the video. The emotions this project can recognize are happy, sad, neutral, angry, disgust etc.. It can be used in various real-time applications such as patient emotion detection, monitoring kids, Lie detection tests etc..

## EVERYTHING IN YOUR FACE BY YASWANTH

To detect faces in an image, click the 'Choose Image' button. You will see a rectangle surrounding every face that you will also see a list of attributes related to the faces.

Choose Image



1 face(s) has been detected

male, 30 years old  
Hair: black, Facial  
Makeup: True, Em  
Occluded: False, E  
Pitch: 0.0, Roll: 5.5,  
NoAccessories

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### TEAM MEMBERS

**P.SAI SAHITHYA  
S.NISHITHA  
P.C.DEVI PRIYA**

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# OBJECT DETECTION AND DESCRIPTION FROM IMAGES USING COGNITIVE SERVICES

In this application ,objects in the image were detected along the description and tags. Suppose, two cars were moving in the image, then the application detects and describes that there were two cars moving in the image. It also detects the characters in the image which saves time and effort. It can be implemented in web servers, network switches and many other internet facing technologies and devices.

YASWANTH PALAGHAT

## DETECTION & DESCRIPTION OF OBJECTS AND OPTICAL CHARACTERS IN IMAGE

**Describe an Image**  
Please click either [Load Image](#) or paste in an image url and click [Describe](#)

[Load Image](#)

<https://oxfordportal.blob.core.windows.net/vision/Analysis/2-1.jpg> [Describe](#)

**Describing Done**



```
[{"id": "13:59:10.317583", "type": "describe_result"}, {"id": "13:59:10.317583", "type": "Image Format": jpeg}, {"id": "13:59:10.317583", "type": "Image Dimensions": 275 x 183}, {"id": "13:59:10.317583", "type": "Description": [{"id": "13:59:10.317583", "type": "Caption": "a close up of a lizard", "Confidence": 0.91014283774991}, {"id": "13:59:10.327583", "type": "Caption": "close up of a lizard", "Confidence": 0.881250910139439}, {"id": "13:59:10.327583", "type": "Caption": "a colorful lizard", "Confidence": 0.681965912868016}, {"id": "13:59:10.327583", "type": "Tags": "animal, reptile, lizard, colorful, small, sitting, colored, bird, standing"}]
```

You upload and may use them to improve Face API and related services. By submitting an image, you confirm you have consent from everyone in it.

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**TEAM MEMBERS**

**P.U.SAI THARUN  
N.U.SURYA TEJA  
P.M.ALI KHAN**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

# **EMOTION DETECTION FROM FACES IN LIVE VIDEO**

This project detects the faces in the live video and returns the emotion of the face in the video. The emotions this project can recognize are happy, sad, neutral, angry, disgust etc.. It can be used in various real-time applications such as patient emotion detection, monitoring kids, Lie detection tests etc..



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**S.BHANU PRAKASH  
S.DINESH KUMAR REDDY  
N.REDDAPPA**

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# Innovative Projects by Students of ECE

<b>S.No</b>	<b>Project Title</b>	<b>Project Members</b>
1.	<b>Automated Gesture Control System Using IoT</b>	<i>P.Harika, SD.Sameera ,P.Venkata Sai Teja ,B.Bharath</i>
2.	<b>A Secure and Efficient Authentication and Authorization Architecture for IoT-based Healthcare</b>	<i>M.Salma, P.Lavanya, Y.Naveen Kumar, T.Amarnadh</i>
3.	<b>Efficient Waste Management in Smart Cities Using IoT</b>	<i>U.Poojitha, S. Mounika, B.Muni Mounika, V.V.L.Vaishnavi</i>
4.	<b>Vehicle Tracking and Vehicular Emergency System Based on IOT</b>	<i>G.Vineetha, G.Haritah, A. MAdhulika, D.Deepchand</i>
5.	<b>IOT based Agriculture system using Google Assistant</b>	<i>K Mounika, M. Geethanjali, B. Nishitha, K.Avinash</i>