Report

Electrical Department of

Engineering Add- on course

on

"Python Programming"

Python Programming add – on course conducted on 16, 17, 18, 19 and 20th Feb2023

Organised by:- Electrical Department of Engineering in association with " **Smart Grid Club**" and **T&P cell**

Conducted by:- Pinnacle Engineering – Mr. Kamal

Subject covered:- Python Programming

Sem:- SE IV

CO Covered: CO1, CO2,

CO5 PSO:- PSO2, PSO3

PO:- PO1 - 3,PO2- 2, PO3 – 2, PO5-3, PO9-1, PO12-1

Schedule :-

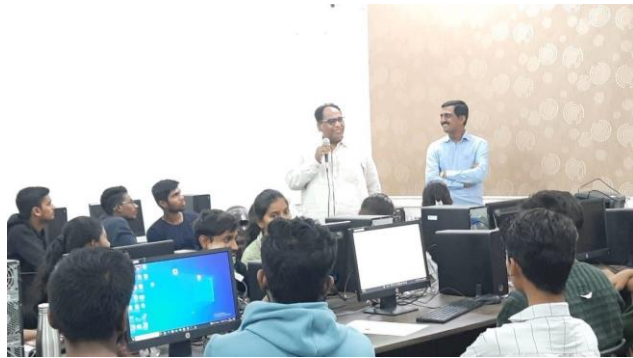| Date	Content	Time
16th Feb 23	CUI :- Command user interface(variable, datatype, control statement)	10.00 am to 5.00 pm
17th Feb 23	GUI:- Graphical user interface, Test	
18th Feb 2023	CUI part-ii assignment	
19th Feb 2023	Assignment and Project	
20th Feb 2023	GUI Part-II Felicitation of project topper and test topper	

Number of Participants:- 65 students and 7 staff

Add- on course on "Python Programming" are conducted on 16th , 17th , 18th , 19th and 20th Feb 2023. Mr. Kamal sir conducted direct teaching – learning sessions on 16th, 17th , 18th , 20th
. And assignment, test, project has assigned on 17th, 18th, 19th . On 20th after teaching learning sessions winners in the project and test has announced and felicitated by Principal to encourage the students.

Mr. Kamal Sir has conducted the sessions with enthusiasm and created interest in students to do projects and assignments.

P.T.O

Sarita M Bopalkar	Prof. N. B. Joshi
Staff Co-ordinator	HoD
(Smart Grid Club- Coordinator)	Electrical Department

SMT.INDIRA GANDHI COLLEGE OF ENGINEERING, NAVI MUMBAI. IN COLLABRATION WITH PINNACLE TECH PROGRAM

CERTIFICATE

of Appreciation

PYTHON BOOT CAMP TRAINING PROGRAM

M. M. ANSARI

In recognition of his/her efforts and achievement in attending the Hands on program

on

Python Boot Camp Training.

Conducted on 16TH FEB to 20TH FEB, 2023

HOD.	Mr.Kamal Shah	Miss. Ruchi Nachlani	Dr.S.S.CHAVAN
ELECTRICAL DEPARTMENT	FULL STACK DEVELOPER	DIRECTOR - PINNACLE	Principal, SIGCE

Report on the 'Skill up' by The Engineer's Club, SIGCE

Introduction

The Engineer's Club is a group of fellow engineering students from the T.E. Electrical branch of SIGCE who came up with the idea of starting a club that could operate on a consistent basis across the institution and its various streams providing a channel for students to interact, collaborate and also contribute their ideas, opinions, suggestions, etc. through organized meetups, events, seminars/webinars, fun activities, workshops, guest lectures, project discussion sessions, etc.

A breakdown of the club and its members:

Faculty in charge	Prof. Revti Jadhav
Main Coordinator	Soumitra Deshpande
Core and Technical Team	Siddhesh Barkale, Chirag Suryawanshi, Chinmay Karmokar
Social Media Team	Shreyas Patwardhan, Rajat Sankpal
Documentation Team	Pranav Wadkar, Dilip Verma

New members at the club (AY 2022-2023):

Main Coordinator	Snehal Salunkhe
Core and Technical Team	Angad Muthyala, Amey Rakhe, Sagar Gupta, Sainath Aashanna, Dhawal Smart, Madhumita Ghosh
Social Media Team	Rashmeet Kaur Jadhav
Documentation Team	Vithika Sharma

The Engineer's Club, SIGCE organized a 4-day boot camp, named 'Skill Up' from Monday, 6th March 2023 to Saturday, 11th March 2023. The topic, on the lines of which the event was organized, was **'Basics of Electrical Engineering and familiarization with various electrical components'**. The core leads of the club hosted this event, Mr. Chirag Suryawanshi (B.E. Electrical) and Mr. Siddhesh Barkale (B.E. Electrical) in a collaborative effort with all the other members of the club (founding members as well as new members) and the faculty member in charge of the club.

Abstract

A number of topics such as understanding what is electrical engineering in general, what is the basic difference between electrical and electronics, the need to learn them and how they are essential going forward. After finishing the explanation for the aforementioned topics Mr Siddhesh Barkale then provided a hands-on tutorial on the interfacing of the ESP32 module.

Accordingly, the doubts of the participants were also addressed simultaneously during the course of the event.

Event Figures

Total Number Of Registrations	**208**
Total Number Of Participants Who Attended The Event	**68**
Total Number Of Faculty Members	**03**

The event was organized as **'Javascript essentials for frontend development'**. The technical lead of the club hosted this event, Mr Chinmay Karmokar (B.E. Electrical) in a collaborative effort with all the other members of the club (founding members as well as new members) and the faculty member in charge of the club.

Abstract

A number of topics such as understanding what is web development in general, what is the basic difference between front-end and back-end development, the need to learn Javascript and how they are essential for learning complex libraries and frameworks, writing hands-on code to understand the behavior of most of the Javascript datatypes and its properties. All the data types were explained with appropriate and easy-to-understand examples which were both engaging as well intriguing for the students.

Accordingly, the doubts of the participants were also addressed simultaneously during the course of the event. During the event, the host also provided the participants with a list of installations and other downloadable files as a reference.

Event Figures

Total Number of Registrations	**208**
Total number of participants who attended the event	**123**
Total number of faculty members	**01**

The event was organised, was 'Getting Started with React.js'. The technical lead of the club hosted this event, Mr Chinmay Karmokar (B.E. Electrical) in a collaborative effort with all the other members of the club (founding members as well as new members) and the faculty member in charge of the club.

Abstract

A number of topics such as understanding what is web development in general, what is the basic difference between front-end and back-end development, the need to learn HTML and CSS and how they are essential for learning complex libraries and frameworks like React.js (which was also the topic of focus for the day), creating our first React.js application, writing hands-on code to understand the behaviour of most of the basic fundamentals in React.js, writing styles in CSS and ways to integrate them to our React.js application, benefits of using Yarn over NPM and so on were covered during the course of this event.

Accordingly, the doubts of the participants were also addressed simultaneously during the course of the event. During the event, we also provided the participants with the list of installations and other downloadable files as a reference.

Event Figures

Total Number of registrations	**208**
Total number of participants who attended the event	**57**
Total number of faculty members	**01**

The Engineer's Club, SIGCE organized a 4-day boot camp, named 'Skill Up' from Monday, 6th March 2023 to Saturday, 11th March 2023. The topic, on the lines of which the event was organized, was **'Opportunities Abroad, Exams, Visa and Accommodation'**. It was a guest lecture hosted by one of our alumni from SIGCE, **Ms Divya Muley** who is currently pursuing a Master's in a specialization course in Germany. The event was hosted in a collaborative effort with all the other members of the club (founding members as well as new members) and the faculty member in charge of the club.

Abstract

A number of topics such as Opportunities in various fields of engineering in Germany, how to go to Germany, what are the exams that you should appear for in India, what is the procedure for acquiring a German student Visa, what are the options for accommodation in Germany, Internships, Health Insurances, Full-time job opportunities were covered among other things.

Accordingly, the doubts of the participants were also addressed simultaneously during the course of the event.

Event Figures

Total number of registrations	**208**
Total number of participants who attended the event	**84**
Total number of faculty members	**00**

CONCLUSION-

On completing this event, the participants would have been able to understand the difference between Electrical and Electrical concepts, understand and identify various electrical and electronic devices and components, understand Javascript as a programming language and how it can be used to form a strong base for some of the most popular libraries like React.js and understand the scope for pursuing higher education in countries like Germany.

Lastly, we'll try to improve further as we progress with more events in the near future.