



Shri Gajanan Shikshan Sanstha's
**SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING
SHEGAON – 444203, DIST. BULDANA (MAHARASHTRA STATE), INDIA**

"Recognized by A.I.C.T.E., New Delhi" Affiliated to Sant Gadge Baba Amravati University, Amravati
"Approved by the D.T.E., M.S. Mumbai"

Ph : +918669638081/82
Fax : 091-7265-252346

Email: principal@ssgmce.ac.in, registrar@ssgmce.ac.in
Website- www.ssgmce.ac.in

Academic year 2020-21

Sr. No.	Name of the capacity development and skills enhancement program	Type of Initiative	Evidences
1	Webinar on Identifying Innovative Project Ideas	Awareness of trends in technology	Click Here
2	Seminar on insights into Image Processing using Computer Vision and ML	Awareness of trends in technology	Click Here
3	Three Days workshop on Interactive Programming session	Awareness of trends in technology	Click Here
4	Workshop On "Wire Antennas: Design , Analysis And Optimization"	Awareness of trends in technology	Click Here
5	"Real Time Computer Vision Application Using Python With Webcam	Awareness of trends in technology	Click Here
6	Workshop on "RF Circuits and Antenna"	Awareness of trends in technology	Click Here



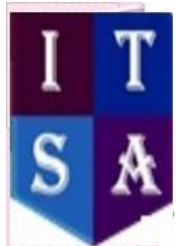

PRINCIPAL
Shri Sant Gajanan Maharaj
College of Engineering, Shegaon.

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING SHEGAON
DEPARTMENT OF INFORMATION TECHNOLOGY

Report of Webinar By Mr. Hemant Barapatre on "Identifying Innovative Project Ideas"

Department of information Technology Organised a webinar for SSGMCE, Students on "Identifying Innovative Project Ideas" by Mr. Hemant Barapatre, Founder & CEO of Cluebix Technologies, Nagpur. On Thursday 27 August 2020 at 4:00 PM.

Poster:



SSGMCE, Shegaon Department of Information Technology

Webinar on

"Identifying Innovative Project Ideas"

Registration Link : <https://forms.gle/RoJvDRzn9jHzNhH16>

or scan QR Code for registration

Registrations open till: 26th August 2020 6:00PM



Webinar Date: 27th August 2020

Timing: 04:00PM

Platform : Microsoft Teams (Link will be shared with Registered Students)



Speaker:

Mr. Hemant Barapatre

CEO & Founder, Cluebix Technologies Nagpur

Prof. A G Sharma
Coordinator

Prof. A S Manekar
HOD, IT

Dr. S B Somani
Principal, SSGMCE, Shegaon

Flayer

Screen Shots:

This screenshot shows a Microsoft Teams meeting in progress. The main content area displays a slide titled "Table of Contents" with the following items:

- Overview
- Understanding the problems objective
- Method for identifying Ideas
- Types of Innovation
- Cycle for innovative Ideas
- Selecting Technologies
- Questions and Answers

The slide also features a "CLUEBIX SOFTWARE PVT. LTD" logo at the bottom. A notification bar at the bottom of the slide reads "teams.microsoft.com is sharing your screen" with a "Stop sharing" button. The right-hand side of the interface shows a "People" list with 45 attendees, including presenters ANAND SHARMA (Organizer), IT_HOST_1, and Sumit Muddalkar. The bottom of the screen shows a taskbar with various application icons and a search bar.

This screenshot shows a Microsoft Teams meeting in progress. The main content area displays a slide titled "Methods for Identifying Ideas" with the following text:

The two most important steps:

- Analysis initial situation.
- Elaboration and prioritising of project ideas

The slide includes a photograph of a person in a white lab coat. At the bottom, it displays the "CLUEBIX SOFTWARE PVT. LTD" logo. A notification bar at the bottom of the slide reads "teams.microsoft.com is sharing your screen" with "Stop sharing" and "Hide" buttons. The right-hand side of the interface shows a "People" list with 47 attendees, including ANAND SHARMA (Organizer), IT_HOST_1, Sumit Muddalkar, and Ku Vedika Jalamkar. The bottom of the screen shows a taskbar with various application icons and a search bar.

Attendance:

Full Name	User Action	Timestamp
ANAND SHARMA	Joined	8/27/2020, 3:50:36 PM
Ku Kanchan Rathod	Joined before	8/27/2020, 3:50:36 PM
Radhika Jadhav	Joined before	8/27/2020, 3:50:36 PM
Sourav Suman	Joined	8/27/2020, 3:53:46 PM
Sourav Suman	Left	8/27/2020, 3:56:18 PM
Sourav Suman	Joined	8/27/2020, 4:03:44 PM
sham ghodki (Guest)	Joined	8/27/2020, 3:53:52 PM
Vaibhav Chandekar	Joined	8/27/2020, 3:55:04 PM
Ku Rakshanda Kare	Joined	8/27/2020, 3:55:06 PM
Ku Rakshanda Kare	Left	8/27/2020, 3:55:28 PM
Ku Rakshanda Kare	Joined	8/27/2020, 3:58:28 PM
Vaibhav Kotecha	Joined	8/27/2020, 3:55:43 PM
Ku Dhanashri Rathod	Joined	8/27/2020, 3:55:51 PM
Ku Dhanashri Rathod	Left	8/27/2020, 3:57:59 PM
Ku Dhanashri Rathod	Joined	8/27/2020, 3:58:21 PM
Harsh Jaiswal	Joined	8/27/2020, 3:55:52 PM
Kshitij Khillare	Joined	8/27/2020, 3:56:23 PM
Kshitij Khillare	Left	8/27/2020, 4:00:51 PM
Kshitij Khillare	Joined	8/27/2020, 4:01:05 PM
Rahul Lanjewar	Joined	8/27/2020, 3:56:27 PM
Ku Rashmi Dhakite	Joined	8/27/2020, 3:56:32 PM
Ku Rashmi Dhakite	Left	8/27/2020, 3:56:49 PM
Ku Rashmi Dhakite	Joined	8/27/2020, 3:59:22 PM
Ku Rashmi Dhakite	Left	8/27/2020, 4:00:49 PM
Ku Rashmi Dhakite	Joined	8/27/2020, 4:00:56 PM
Om Masne	Joined	8/27/2020, 3:56:36 PM
Om Masne	Left	8/27/2020, 4:12:12 PM
Kaustubh Agrawal	Joined	8/27/2020, 3:56:44 PM
Ku Mamata Rajput	Joined	8/27/2020, 3:56:48 PM
Ku Vedika Jalamkar	Joined	8/27/2020, 3:57:17 PM
Ku Rutuja Dhanorkar	Joined	8/27/2020, 3:57:21 PM
Ku Rutuja Dhanorkar	Left	8/27/2020, 3:58:06 PM
Ku Rutuja Dhanorkar	Joined	8/27/2020, 4:02:00 PM
Ritik Hujwant	Joined	8/27/2020, 3:57:27 PM
Yash Kulthe	Joined	8/27/2020, 3:57:36 PM
Siddhant Gupta	Joined	8/27/2020, 3:57:55 PM
Ayush Naphade	Joined	8/27/2020, 3:58:25 PM
Ku Dnyaneshwari Tayade	Joined	8/27/2020, 4:01:10 PM
Ku Dnyaneshwari Tayade	Left	8/27/2020, 4:02:01 PM
Ku Manisha Shekokar	Joined	8/27/2020, 4:01:18 PM
Vaibhav Lakkewar	Joined	8/27/2020, 4:01:38 PM
Prajwal Vijaykar	Joined	8/27/2020, 4:02:07 PM
Ku Pranali Patil	Joined	8/27/2020, 4:02:13 PM
Monish Sathe	Joined	8/27/2020, 4:02:15 PM
Monish Sathe	Left	8/27/2020, 4:05:11 PM
Monish Sathe	Joined	8/27/2020, 4:06:27 PM
Monish Sathe	Left	8/27/2020, 4:06:44 PM
Monish Sathe	Joined	8/27/2020, 4:10:05 PM
Ku Rutuja Jangamwar	Joined	8/27/2020, 4:02:28 PM

Ku Rutuja Jangamwar	Left	8/27/2020, 4:05:47 PM
Ku Rutuja Jangamwar	Joined	8/27/2020, 4:06:05 PM
Lokesh Bradiya	Joined	8/27/2020, 4:02:29 PM
Ku Ishita Koradia	Joined	8/27/2020, 4:02:34 PM
Sumit Muddalkar	Joined	8/27/2020, 4:02:49 PM
Sumit Muddalkar	Left	8/27/2020, 4:04:39 PM
Sumit Muddalkar	Joined	8/27/2020, 4:04:57 PM
Kiran Kolte	Joined	8/27/2020, 4:02:52 PM
Kiran Kolte	Left	8/27/2020, 4:06:31 PM
Karan Gadodia	Joined	8/27/2020, 4:03:04 PM
Anand Wankhade (Guest)	Joined	8/27/2020, 4:03:40 PM
Anand Wankhade (Guest)	Left	8/27/2020, 4:06:20 PM
Ku Khushboo Chauhan	Joined	8/27/2020, 4:03:43 PM
Shailesh Khote	Joined	8/27/2020, 4:03:43 PM
Shailesh Khote	Left	8/27/2020, 4:06:39 PM
Shailesh Khote	Joined	8/27/2020, 4:12:01 PM
Ku Natasha Bahel	Joined	8/27/2020, 4:04:20 PM
Ku Aditi Mahure	Joined	8/27/2020, 4:04:49 PM
Dollesh Rathod	Joined	8/27/2020, 4:05:04 PM
Ku Sayali Patil	Joined	8/27/2020, 4:05:14 PM
Ku Sanjivani Warthe	Joined	8/27/2020, 4:05:15 PM
Ku Sanjivani Warthe	Left	8/27/2020, 4:11:34 PM
Kartik Chauhan	Joined	8/27/2020, 4:05:37 PM
Ku Pranjali Pande	Joined	8/27/2020, 4:05:48 PM
IT_HOST_1	Joined	8/27/2020, 4:06:59 PM
Anand Wankhade (Guest)	Joined	8/27/2020, 4:07:23 PM
Ku Vishakha Agrawal	Joined	8/27/2020, 4:07:25 PM
Ku Vishakha Agrawal	Left	8/27/2020, 4:08:27 PM
Ku Vishakha Agrawal	Joined	8/27/2020, 4:14:35 PM
Tushar Nimbolkar	Joined	8/27/2020, 4:07:51 PM
Prasad Rudrawar	Joined	8/27/2020, 4:08:31 PM
Rutik Gawande	Joined	8/27/2020, 4:09:41 PM
Sudhir Ghagare	Joined	8/27/2020, 4:09:49 PM
Ku Vrinda Vyas	Joined	8/27/2020, 4:10:22 PM
Ku Vaishnavi Kanherkar	Joined	8/27/2020, 4:10:39 PM
AbhishekNarwade	Joined	8/27/2020, 4:12:20 PM
AbhishekNarwade	Left	8/27/2020, 4:14:44 PM
Pawan Wagh	Joined	8/27/2020, 4:12:42 PM
Pawan Wagh	Left	8/27/2020, 4:13:44 PM
Lakshit Jangid	Joined	8/27/2020, 4:13:03 PM
AMITKUMAR MANEKAR	Joined	8/27/2020, 4:15:07 PM

Prof. A G Sharma

Coordinator

Prof. A S Manekar

HoD.IT

Organized By: Department of Information Technology

Event: Seminar on Insights into Image Processing using Computer Vision and Machine Learning.

Date: 29th August 2020.

Timing: 01:00 – 02:00 PM

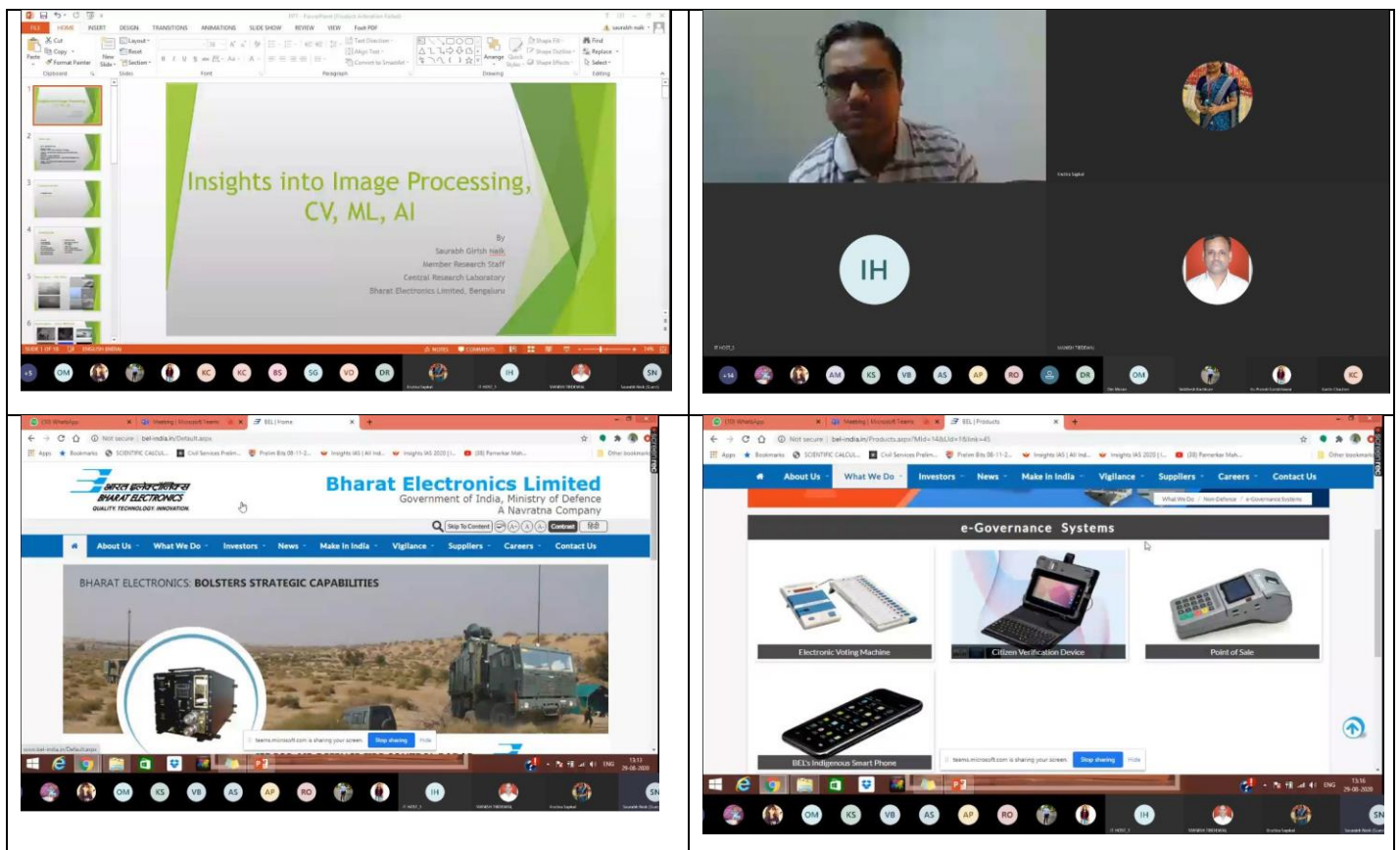
Venue: Microsoft Teams Platform

Participants: Students, Teaching Staff, SSGMCE, Shegaon.

Resource Person: 1) Mr. Saurabh Naik, Member Research Staff, CRL-Bharat Electronics Limited, Bangalore
B.Tech (NIT, Surathkal), M.Tech (IIT, Kharagpur)

Event Coordinator: 1) Prof. Krutika Sapkal, SSGMCE, Shegaon, 2) ITSA, 3) ACM Students Chapter

Purpose/Objective: The objective of the Seminar was to enlighten the Students and Teaching Staff about the current and ongoing projects on Image Processing, computer Vision and Machine Learning in the Government and Defense Sectors in India.



Remark/Outcome: A total of 56 Teaching Staff Member and Students of SSGMCE Participated in the Seminar. Mr. Naik enlightened the students and the staff about the importance of the Image Processing and the details of the Projects that are currently on going in the Indian Defence and Government Sector that utilize the aforementioned Technologies. Sir also highlighted on the requirements of the industries in the given topic.

Prof. A S Manekar

REPORT OF WORKSHOP

The Department of Information Technology successfully organized three day workshop on “Interactive Programming Sessions” for the students (all the branches) of institute on dated: 5th, 6th and 12th June 2021, on Microsoft Teams.

In the workshop **Mr. Ajinkya Bawaskar, Software Engineer, Global Logic** discussed about the preparation for campus placement, best programming language, projects, internship, open source technologies, technical concepts of C, C++, Java, OOP, Spring, RESTful API, GIT and idea validation. Total 97 participants were registered and approximately 40 students attended and benefited by the workshop.

Scheduled:

Date	Time	Contents
05/06/2021	9.30 AM to 11.00 AM (Session1)	<ol style="list-style-type: none">1. Brief idea about campus placements- with focus on technical round. General discussion about programming difficulty level & theory subjects to study for it.2. Programming languages- which is the best programming language and which one should you learn?3. Projects- What projects to do and why are they important? How to choose what projects to do and how to demonstrate them.4. Internships- Should you do internships and discussions surrounding it. (Bonus: Paid internship offer with PPO)5. Introduction to Open Source- What exactly is Open Source and why should you care?6. Where is the industry heading? What technologies are trending and have relatively better scope.
05/06/2021	6.00 PM to 7.30 PM (Session2)	<ol style="list-style-type: none">1. Programming in C/C++: Introduction, variables, data types, conditionals, loops, and data structures,2. Introduction to competitive programming and why it matters.3. Solving a few questions from easy to difficult: main idea behind this will be how to understand questions, how to think about the approach and finally how to implement it.
06/06/2021	11.00 AM to 12.30 PM (Session3)	<ol style="list-style-type: none">1. Programming in Java: Introduction to JVM, JRE and Java specific features.2. Introduction to OOP paradigm: Layman's approach to OOP and surrounding concepts.

		3. Dependency injection and frameworks: how to use Java in projects.
06/06/2021	6.00 PM to 7.30 PM (Session4)	1. Programming in Spring: Developing projects in Java using the Spring framework 2. Brief introduction to relational databases: followed by database connectivity in applications. 3. What is API? What is a RESTful API? Implementing RESTful API in Spring Boot.
12/06/2021	11.00 AM to 12.30 PM (Session5)	1. Git & version control - What is git and why should you learn it? Fundamentals of version control, setting up and working with git (not GitHub). Git commands and usage, git cheat sheet. 2. Development to Deployment - Traditional vs modern technologies, monolith vs microservices, Introduction to cloud and associated technologies.
12/06/2021	1.30 PM to 2.30 PM (Session6)	1. Idea validation - Let's hear your ideas and evaluate them collectively. Brainstorming ideas about projects, technologies and businesses. 2. General discussion and feedback. What steps can you take next? 3. Q&A session

Poster:

**SHRI SANT GAJANAN MAHARAJ COLLEGE
OF ENGINEERING .SHEGAON**

**Interactive
Programming Session
2021**

Date: June 5,6,&12
 Fee structure: Free for all (Tentative)
 Sunday Morning session: 11AM to 12:30PM
 Saturday Morning session: 9:30AM to 11PM
 Evening session: 6PM to 7:30PM

Note : E-certificate will be provided to all the participants

Ajinkya Bawaskar
 Software Engineer, GlobalLogic
 Batch of 2020, CSE, SSGMCE

Prof. S. D. Padiya/ Prof. A. S. Manekar
 Workshop Coordinators

Prof. A. S. Manekar
 HOD, IT

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

“ WIRE ANTENNAS: DESIGN , ANALYSIS AND OPTIMIZATION”

Event Title: Wire Antennas: Design, Analysis and Optimization.

Date: 03 August 2020 to 07 August 2020

Location: Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

Organizing Committee: Students Activities Committee, IEEE Bombay Section

Workshop Facilitators: IEEE team and, SSGMCE.

Number of Participants: 71 Student

Workshop Objectives:

1. To understand Fundamentals of RF.
2. Radiation Concept , Introduction to 4NEC2X:
3. Design Simulation and optimisation of Antenna.


Event Highlights:

- The workshop took place over a five-day period, from August 3, 2020, to August 7, 2020.
- It was organized by the Students Activities Committee of the IEEE Bombay Section, in collaboration with the SSGMCE.
- A total of 71 students actively participated in the workshop.
- The workshop provided a comprehensive understanding of RF fundamentals, radiation concepts, and the use of 4NEC2X software for antenna modeling.
- Participants had the opportunity to engage in practical activities related to designing, simulating, and optimizing wire antennas.

Overall, the workshop offered an in-depth exploration of wire antennas, from the foundational RF principles to practical design and simulation. The high number of participants indicates significant interest in this topic, suggesting that the workshop successfully addressed the objectives and met the needs of the participants in the field of antenna design and optimization.

Outcomes:

1. Strong Understanding of RF Fundamentals: - Participants are expected to have gained a solid understanding of the fundamentals of Radio Frequency (RF). This knowledge is crucial for anyone working with antennas or wireless communication systems.
2. Radiation Concepts and 4NEC2X Familiarity: - Participants should have grasped the principles of radiation, an essential concept in antenna design. They are also likely to have become familiar with 4NEC2X, which is a valuable software tool for modeling antennas.
3. Wire Antenna Design, Simulation, and Optimization Skills:- The primary outcome is that participants should have developed practical skills in designing, simulating, and optimizing wire antennas. This includes the ability to design antennas for specific applications, simulate their performance, and optimize them for maximum efficiency.
4. Enhanced Problem-Solving Abilities:- Working with wire antennas and RF systems often involves complex problem-solving. Participants may have enhanced their ability to analyze and solve problems related to antenna design and optimization.


Prof. P. R. Wankhede
Branch Counselor
• IEEE Students' Branch



Dr. G. S. Gawande
Head, E & TC Dept

Photo:



Student Present in online session

Feedback Analysis:

The workshop was well-organized and informative. Participants appreciated the clear structure of the workshop and the instructor's ability to explain complex concepts in a way that was easy to understand. The hands-on activities were a great way to learn about Antenna. enjoyed the opportunity to practice using Design and simulation on their own projects and to get feedback from the instructor. The workshop was a great way to meet other people interested in Antenna. Participants enjoyed the opportunity to network with other people who share their interests.

Impact Analysis:

1. Increase knowledge of Antenna principles and concepts: Participants will learn about the basic principles of IOT and Arduino. They will also learn about the different types of Designing, such as print their types and basics.
2. Improve skills in using Arduino will learn how to use the basic tools and features of Antenna. They will also learn how to Actuators Interfacing with Arduino. These skills can be used to create professional-looking Arduino for personal or professional use.
3. Increased interest in Antenna. Participants may become more interested in Designing and simulation about the field. This interest can lead to further education and training in Designing which can lead to a rewarding career in a creative field.

Permission Letter :

Date: 24/07/2020

To,
The Principal
SSGMCE, Shegaon

Through: HOD, E & TC Dept.

Sub: Permission to Organize Workshop on "Wire Antennas: Design, Analysis and Optimization using 4NEC2X"

Respected Sir,

Electronics and Telecommunication Engineering department in collaboration with IEEE Students Branch chapter wish to organize one week Workshop on "Wire Antennas: Design, Analysis and Optimization using 4NEC2X" for engineering UG and PG students as per details given below:

Workshop Name: Wire Antennas: Design, Analysis and Optimization using 4NEC2X

Proposed Dates: One Week (~~27th July to 31st July 2020~~) (3rd Aug 2020 to 8th Aug 2020) m.

Proposed Timing: 4pm to 7pm daily

Fees: Rs. 200/- per participant

Please permit us to organize the workshop.

Wankhede
Prof. P. R. Wankhede
Branch Counselor
IEEE Students Branch

Gawande
Dr. G. S. Gawande
Head, E & TC Dept

Permitted by P.R.
TE in
25/7

Schedule of Event



Shri Sant Gajanan Maharaj College of Engineering, Shegaon
Department of Electronics & Telecommunication Engineering
and

IEEE Student's Branch, #61661



One Week Hands-On Online Workshop on
“Wire Antennas: Design, Analysis and Optimization using 4NEC2X”
(03-07, August 2020)

Programme Contents and Schedule

Sr. No.	Programme Details	Timings
Day 1	Session I I. Inaugural II. Introduction to Electromagnetics III. Fundamentals of RF	03.00 PM to 05.00 PM
Day 2	Session II I. Introduction to antennas: <ul style="list-style-type: none">• Radiation Concept• Types of Antennas• Antenna Basic Parameters• Antenna Applications II. Installation of 4NEC2X (Hands-on)	03.00 PM to 05.00 PM
Day 3	Session III (Hands-on) Introduction to 4NEC2X: <ul style="list-style-type: none">• Dipole Example• Dipole over ground• Dipole using thick wires• Optimization of Dipole	03.00 PM to 05.00 PM
Day 4	Session IV (Hands-on) <ul style="list-style-type: none">• Your First Design of Wire Antennas-Dipole• Design, Simulation and Optimization of Monopole	03.00 PM to 05.00 PM
Day 5	Session V <ul style="list-style-type: none">• Design, Simulation and Optimization of 3-element and 5-element Yagi-Uda (Hands-on)• Valedictory and Feedback	03.00 PM to 05.00 PM

Online Platform: Google Meet / Microsoft Teams

Resource Person: Prof. Vivek Ratnaparkhi, SSGMCE, Shegaon

Register Online: <https://forms.gle/dMtPJTMZx6mcdqnG9>

Dr. Pravin Wankhede
Branch Counselor
SSGMCE IEEE Students' Branch

Dr. G. S. Gawande
Head, E & TC Dept

Dr. S. B. Somani
Principal



Screenshot of the Online Event By Mr V V Ratnaparkhi

7/31/2020 21:37:03	RAHMANI NAVEED AKHTAR	rahmaninaveed1981@gmail.com	9860232380	Jamia Institute of Engineering & Management Studies	Faculty	21318749993	200	https://drive.google.com/open?id=1O4IPzHJqaa4ymdwhyBk9GxKmnGN9S2E	
8/2/2020 9:32:44	RAJESH KUMAR VERMA	er.rajesh@bujhansi.ac.in	09838142900	IET, Bundelkhand University, Jhansi	Faculty	21509557799	200	https://drive.google.com/open?id=14beANbTe2-Pfn0JagqYfwo11zUPkdmMp	0
8/1/2020 13:57:37	RAJESH M R	rajeshmrns@gmail.com	9946332744	Sree Narayana Guru College Chelannur	Faculty	IHN1373707	200	https://drive.google.com/open?id=1QSAqgm2N6DcGTj3N-uWi_T9Je7YUNo1G	
7/31/2020 2:17:48	Ravi Sharma	ravi.sharma@medicaps.ac.in	9926836093	Budapest University of Technology and Economics	Research Scholar	21349144149	100	https://drive.google.com/open?id=1mIE2B0cfHkvWmd7XUtn5_YjTxxmh3S	92364050
7/31/2020 21:42:18	Rinki Agrahari	agrahari.rinki000@gmail.com	9354063155	University of Delhi South Campus	Student	21248658460	200	https://drive.google.com/open?id=14fv_bOw9iTCTJOGA7LWkinzzw9O6U1l	
7/30/2020 10:16:57	Ritesh Dhananjay Tayade	riteshtayade456@gmail.com	9130578171	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	Student		00	https://drive.google.com/open?id=1aFmCSHzBawVDtCv0toT1YFsFOszST	
7/27/2020 18:07:28	Ritu Deshmukh	deshmukhritu2013@gmail.com	6353527801	JSPM'S Rajarshi Shahu college of Engineering Pune	Student	P2007271801128 773382579	100	https://drive.google.com/open?id=1w1OY7E2v1EwGr8YkE-zMDGuUFxG_OkxJW	96806832
7/31/2020 18:41:04	Rushikesh Vinayak Patil	s17_patil_rushikesh@mgmcen.ac.in	9673046663	Mahatma Gandhi Mission's College Of Engineering, Nanded	Student	P2007311837254 701742469	200	https://drive.google.com/open?id=1dfXs3PIL2PHI9qWUrEG_CQRpmyBFCZy	
8/2/2020 14:34:34	S KANNADHASAN	kannadhasan.ece@gmail.com	9677565511	CHERAN COLLEGE OF ENGINEERING	Faculty	21514225308	200	https://drive.google.com/open?id=1ka0VX8qWvBZydw9cBS76UkUPanUGL DnK	
8/1/2020 11:44:45	S.MANIKANDAN	sabarimanikandan1995@gmail.com	7639346545	A.C. Government College of Engineering and Technology, Karaikudi-3, TN	Student	21222786512	200	https://drive.google.com/open?id=118IQc0AYncWTmJ9o_kcXqKbdQ-V2VSuy	0
7/30/2020 22:43:12	Samiksha Gajanan Tarale	samikshatarale7@gmail.com	9404374632	Shri Sant Gajanan Maharaj College Of Engineering, Shegaon	Student	UA0292592964	200	https://drive.google.com/open?id=1O9wdg4o_R6PSO13xXb-nUydaL4G0H9y	
7/27/2020 20:29:20	Samiksha jawahar nilamwar	sd17_nilamwar_samiksha@mgmcen.ac.in	7020589385	mgm's college of engineering nanded	Student	20919142576	200	https://drive.google.com/open?id=13gdjX Ccn1VjDekJDi0EZWBKf6qzDQOm	
8/3/2020 8:25:02	Saumitra Thakar	soumitra.thakar@gmail.com	07350002609	Pune Vidyarthi Griha's College of Engineering and Technology	Student	21608747920	200	https://drive.google.com/open?id=1SifrYxZ5iYo9JkiHwNKBSG_Hv6WVMR	
7/31/2020 20:35:54	Shailesh Gawande	gawande732000@gmail.com	9172101975	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING	Student		00	https://drive.google.com/open?id=150cCg3-fn8pH2NKSAFNF2qIRK2LTzaj	
8/2/2020 9:31:12	Shashikant Verma	shashikantverma7@gmail.com	+919918642399	Institute of Engineering and Technology, Bundelkhand University, Jhansi	Faculty	21576150213	200	https://drive.google.com/open?id=1K1B4u2JqBnhio2i9_107dVKoCoQyy3uC	
8/2/2020 21:17:55	SHINDE MAHESH NAVNATH	shinde.mn@somaiya.edu	9967675506	K. J. Somaiya Polytechnic	Student	21521134685	200	https://drive.google.com/open?id=1wFrQpYV4z6MTvB2JVD4fA1HJ-B7nJKu	
7/31/2020 20:19:59	Shivam paitwar	s18_paitwar_shivam@mgmcen.ac.in	09503756483	MGM 's college of engineering nanded	Student	21318804962	200	https://drive.google.com/open?id=1PcFk mJG4S_YnbZSOB9vewf2fxF10P1tQ	
8/2/2020 6:03:30	Shrawan Kumar Patel	shrawankpatel@gmail.com	9424133622	School of Studies in Engineering & Technology, Guru Ghasidas Vishwavidyalaya Bilaspur CG	Faculty	P2008020558422 666086766	200	https://drive.google.com/open?id=1d4-zH50ETxSWSOJhhCNVhqu-U0Nrx96	
7/30/2020 19:59:11	SHREYANSHI SINGH	singh06.shreyanshi@gmail.com	8004367778	Department of Electronic Science, University of Delhi South Campus	Research Scholar	21219523719	200	https://drive.google.com/open?id=1Pz-NJQ44WMZWd1R7KpPw-23E9rOGxToW	
7/30/2020 15:15:08	Shubham Garg	shubham.garg.19041@iitgoa.ac.in	9340609897	Indian Institute of Technology Goa	Student	21215150943	200	https://drive.google.com/open?id=18iQhwWTXp_7nKTc6W92QmTDJ4aG7HmP3	
7/30/2020 19:04:07	SOMANATH KISAN CHIKANE	somnathchikane111@gmail.com	9975549392	Vidya Pratishthan Polytechnic College Indapur	Faculty	21218301988	200	https://drive.google.com/open?id=1kADkhTSR-jVHEQJnFbzstUYlp-vKrt5	
8/2/2020 10:43:12	SOWJANYA KESANA	sowjanya.kesana@gmail.com	9493174979	KKR&KSR INSTITUTE OF TECHNOLOGY AND SCIENCES	Faculty	21510860011	200	https://drive.google.com/open?id=1zxcOQly4mqXGBnZPqsW1UNqCElno1w	
8/2/2020 9:02:46	SRINIVASU GARIKIPATI	g.srinivasuhyd@gmail.com	9949099880	JOGINPALLY B.R. ENGINEERING COLLEGE	Faculty	21509323840	100	https://drive.google.com/open?id=1U3c63blKeFFMxwq15DjGE2JnucpoTugl	93236883
7/31/2020 12:43:46	SUDHAKAR KATTUPALLI	sudhamtech@gmail.com	09010503595	PSCMR College of Engineering and Technology	Faculty	21312743091	100	https://drive.google.com/open?id=1Z3Q1dscalBfM5b9K3mByVlQ-V-q_cO	80018694
8/1/2020 16:52:56	Sujith Anandan	sujith@gmail.com	9747397591	Anna University of Technology	Electronics Engineer	21416521264	200	https://drive.google.com/open?id=1A5cSg8OcnpbA8W1tqtc-qS3z-5_wl	0000

7/31/2020 23:00:08	Suyog Vinayak Pande	suyog2702@gmail.com	9960674355	SVKM's NMIMS Mukesh Patel School of Technology Management & Engineering, Shirpur Campus	Faculty	21322913274	200	https://drive.google.com/open?id=1RXVUGeib-OvF7q37aix-GwZd-IHkVtym	
8/2/2020 8:48:13	T GAYATRI	t.gayatrihyd@gmail.com	9949088800	K G REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY	Faculty	21508274496	100	https://drive.google.com/open?id=16lLlcFN0DVXEs-Lko-fmijPPXx4zb35	94869540
8/1/2020 9:04:52	T Srikanth	tsrikanthbabu@gmail.com	8639696689	RGUKT SRIKAKULAM	Student	P2008010858442 579209483	200	https://drive.google.com/open?id=1wkHYT03EILFSrG76rHNN-iCk-JUMSSoaP	
7/29/2020 12:24:58	Taru sanchi Nikanth	s17_taru_sanchi@mgmcen.ac.in	9850030339	MGM'S college of engineering nanded	Student	21112044603	200	https://drive.google.com/open?id=1nkQEGsVDmxbfhDuxNQXT9ZCD7Kzx7daF	0
7/28/2020 22:08:18	Trupti Bhiwarpurkar	truptibhiwarpurkar99@gmail.com	9834994877	Shri Sant Gajanan Maharaj College of engineering shegaon	Student		00	https://drive.google.com/open?id=13ZjrG110u6xrnQW31OdwmuRS7ZNJkNlx	
7/31/2020 10:29:08	Vedika Vilas Khade	vilaskhade1969@gmail.com	8805181550	Shri sant Gajanan Maharaj college of engineering, shegaon.	Student		200	https://drive.google.com/open?id=1CSR9IYdFmzaGMEfuCSpXsjq-9sEb4K3I	
8/2/2020 23:27:06	VIKRAM DHARMRAJ SINGH	vikramdharmaaj@gmail.com	9455167518	UNIVERSITY OF DELHI	Student	21523042275	100	https://drive.google.com/open?id=1KQ0dbX_aWff9NeXZHvqEb-u5nKF0mG5	91239958
7/31/2020 11:58:59	Vinay Sharma	vs16@snu.edu.in	09736325530	Shiv Nadar University	Research Scholar	21311450236	100	https://drive.google.com/open?id=1VCS1U_JC5CtfzqTNff8Uiq3ewKu9xHj	94046623
7/29/2020 11:08:25	Vishal Bhope	bhope.vishal0@gmail.com	8554035553	GHRCEM Ahmednagar	Faculty	21019826169	200	https://drive.google.com/open?id=1AHBlUUUpJiNNi1cWCY3rloPqzDwPt7OX	
7/31/2020 20:12:38	Vishal Gajanan Naik	vishalnaik01@gmail.com	+918806856601	Goa University	Student	21359311420	200	https://drive.google.com/open?id=1Lx2nXOQO7Fo6u1IqaQcd0Ow4HzdaZhj	
7/31/2020 11:11:08	Wani Videsh Patil	wani.patil@raisoni.net	8308980346	G H Raison College of Engineering	Faculty	P2007311107271 197894376	200	https://drive.google.com/open?id=1aNn8qu-5Zn-1tb-8mV9U1dcX2Gfq0-gP	

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

**“REAL TIME COMPUTER VISION APPLICATION USING PYTHON WITH
WEBCAM”**

Event Title:Real Time Computer vision application using python with webcam.

Date: 16 August 2020 to 21 August 2020

Location: Shri Sant Gajanan Maharaj College of Engineering, Shegaon.


Organizing Institute: Students Activities Committee, IEEE Bombay Section


Workshop Facilitators: IEEE team and, SSGMCE.

Number of Participants: 50 Student

Workshop Objectives:

1. Introduction to Computer Vision: The workshop aims to introduce participants to the field of computer vision, providing a foundational understanding of computer vision concepts, techniques, and applications.
2. Hands-On Python Programming: Participants will gain practical experience in using Python for computer vision applications. They will learn to write code, work with libraries like Open CV, and manipulate visual data.
3. Real-Time Application Development: The primary focus is on real-time computer vision applications. Participants will learn to create applications that process and analyze video or image data from a webcam in real time.
4. Object Detection and Tracking: The workshop will cover techniques related to object detection and tracking using computer vision. Participants will learn how to identify and track objects within a video feed.


Prof. P. R. Wankhede
Branch Counselor
• IEEE Students' Branch


Dr. G. S. Gawande
Head, E & TC Dept

Poster:

Date: 01/08/2020

To,
The Principal
SSGMCE, Shegaon

Through: HOD, E & TC Dept.

Sub: Permission to Organize Workshops under IEEE Students' Branch

Respected Sir,

IEEE Students Branch in collaboration with Electronics and Telecommunication Engineering department wish to organize one week workshops for engineering UG and PG students and Faculty as per details given below:

Sr. No.	Workshop Name	Proposed Dates	Proposed Timing	Fees
1	Computer Vision using Python	10 - 14 August 2020	3pm to 5.30pm	Rs. 200/- (Rs.100 for IEEE members)
2	Real Time Computer Vision Applications using Python with Webcam	17 - 21 August 2020	3pm to 5.30pm	Rs. 200/- (Rs.100 for IEEE members)

Please permit us to organize the workshop.

P. R. Wankhede
Prof. P. R. Wankhede
Branch Counselor
IEEE Students' Branch

G. S. Gawande
Dr. G. S. Gawande
Head, E & TC Dept

MOD, E&TC
Permit to
as per RR
em
(118)

Permission letter to conduct workshop

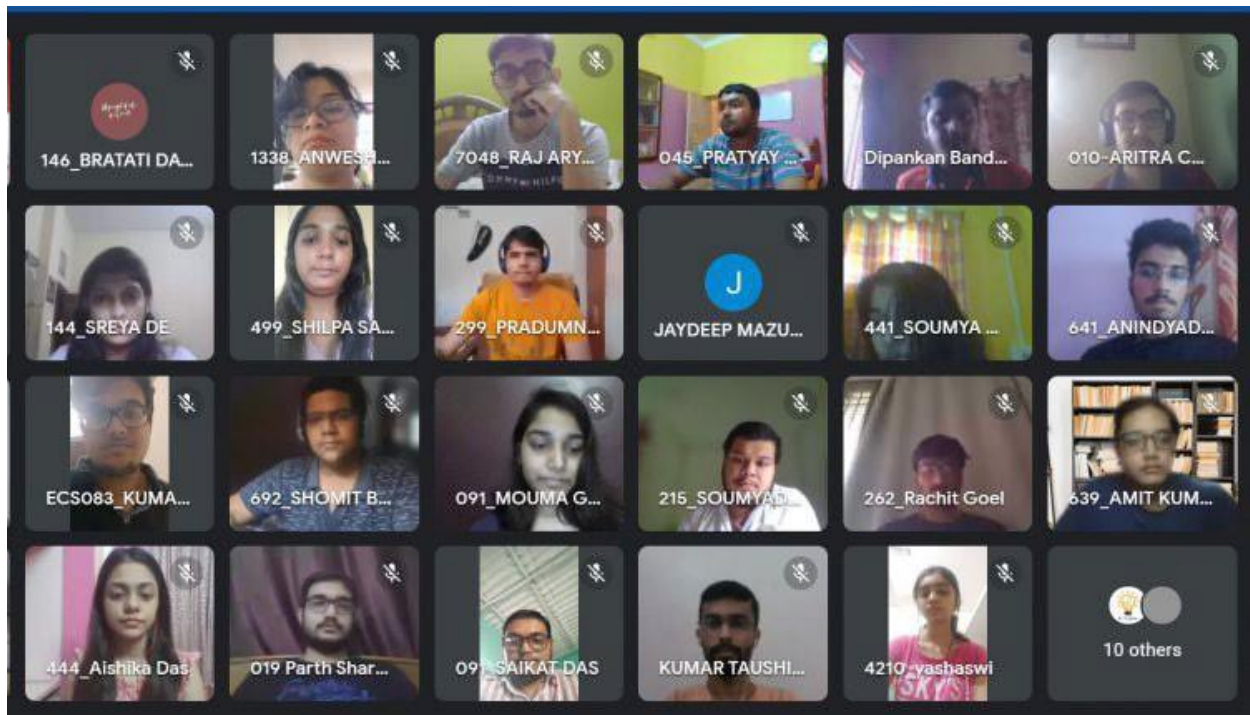
Analysis of Outcomes:

1. Practical Project Development: The workshop will include a hands-on project component where participants will work on a real-time computer vision project using a webcam. This project work will allow them to apply the concepts they've learned.

2. Problem-Solving Skills: Participants will enhance their problem-solving skills as they tackle challenges and optimize their computer vision applications during the workshop.

3. Interdisciplinary Applications: The workshop may explore interdisciplinary applications of computer vision, such as robotics, augmented reality, and surveillance systems, showcasing the versatility of this technology.

Photo:





Feedback Analysis:

The workshop was well-organized and informative. Participants appreciated the clear structure of the workshop and the instructor's ability to explain complex concepts in a way that was easy to understand. The hands-on activities were a great way to learn about Real time of using python. enjoyed the opportunity to practice using Computation on their own projects and to get feedback from the instructor. The workshop was a great way to meet other people interested in Python programming enjoyed the opportunity to network with other people who share their interests.

Impact Analysis:

1. Increase knowledge of Antenna principles and concepts: Participants will learn about the basic principles of Programming. They will also learn about the different types of programming, such as print their types and basics.
2. Improve skills in using Arduino will learn how to use the basic tools and features of Real time computation using python. They will also learn how to Actuators Interfacing with Arduino. These skills can be used to create professional-looking Arduino for personal or professional use.
3. Increased interest in Python. Participants may become more interested in Python Programming about the field. This interest can lead to further education and training in programming which can lead to a rewarding career in a creative field.


Prof. P. R. Wankhede
Branch Counselor
• IEEE Students' Branch


Dr. G. S. Gawande
Head, E & TC Dept



One Week Online Hands-On Workshop on
“Real Time Computer Vision Applications using Python with Webcam”

(16-21, August 2020)

Take your first steps into the world of computer vision and learn how to build your own real time applications with webcam in just Six days. This course teaches the application development and you don't need any knowledge of python coding to take part. You may find it challenging at times, but we hope it'll be fun too.

Programme Contents and Schedule

Sr. No.	Programme Details	Timings
Day 0	Session 0 1. Installation of Python Software on Windows 2. Installation of OpenCV 3. Testing of Installation	03.00 PM to 04.30 PM
Day 1	Session I 1. Basic Image processing concepts 2. Getting photos and videos from webcam (Hands-on) 3. Color Object Detection and Tracking using Webcam (Red, Green, Blue Balls) (Hands-on)	03.00 PM to 05.30 PM
Day 2	Session II (Hands-on) 1. Face Detection and Tracking using Webcam (Eyes, Nose, Mouth, Smile, Face) 2. Click your photos after detecting smile on Face	03.00 PM to 05.30 PM
Day 3	Session III (Hands-on) 1. Training your own Face data 2. Real time Face Recognition using webcam 3. Project - I	03.00 PM to 05.30 PM
Day 4	Session IV (Hands-on) 1. License plate detection and Tracking 2. Project – II	03.00 PM to 05.30 PM
Day 5	Session V (Hands-on) 1. Object Detection using Deep Learning 2. Project – III 3. Quiz and Feedback	03.00 PM to 05.30 PM

Registration Fees: Rs.200/- (Rs.100/- for IEEE Members)

Online Platform: Webex Meeting / Google Meet

Resource Person: Dr. Pravin Wankhede, SSGMCE, Shegaon (9371857196)

Register Online: <https://forms.gle/BCJT4VEvbdY2Yu43A>

Dr. Pravin Wankhede

Branch Counselor

SSGMCE IEEE Students' Branch

Dr. G. S. Gawande

Head, E & TC Dept

Dr. S. B. Somani

Principal

One Week Online Hands-On Workshop on "Real Time Computer Vision Applications using Python with Webcam"

(16-21, August 2020)

Take your first steps into the world of computer vision and learn how to develop your own real time applications with webcam in just Six days. This course teaches the application development and you don't need any knowledge of python coding to take part. You will find this online workshop free of charge but we hope it will be fun to learn.

Programme Contents and Schedule

Sr. No.	Programme Details	Timings
Day 0	Session 0 1. Installation of Python Software on Windows 2. Installation of OpenCV 3. Demonstration of Installation	03.00 PM to 04.30 PM
Day 1	Session I 1. Basic Image Processing using OpenCV 2. Getting photos and videos from webcam (Hands-on) 3. Object Detection and Tracking using Webcam R&D. Green. Blue Balls) (Hands-on)	03.00 PM to 05.00 PM
Day 2	Session II (Hands-on) 1. Face Detection and Tracking using Webcam E.g. Eyes, Mouth, Smile, Face) 2. Check your photos after detecting smile on Face	03.00 PM to 05.30 PM
Day 3	Session III (Hands-on) 1. Training your own Face data 2. Real time Face Recognition using webcam 3. Project - I	03.00 PM to 05.30 PM
Day 4	Session IV (Hands-on) 1. License plate detection and Tracking 2. Project - II	03.00 PM to 05.30 PM
Day 5	Session V (Hands-on) 1. Object Detection using Deep Learning 2. Project - III 3. Quiz and Feedback	03.00 PM to 05.30 PM

Registration Fees: Rs.200/- (Rs.100/- for IEEE Members)

Online Platform: Webex Meeting/ Google Meet

Resource Person: Dr. Pravin Wankhede, SSGMCE, Shegaon (9371857196)

Registration Online: <https://forms.gle/BCiT4VfVbDY2Yu43A>

**One Week Online Hands-on Workshop on
Real Time Computer Vision Applications using Python with Webcam
16-21 August 2020
Participant List**

Sr. No.	Name of Participant	Institute / Organisation	Certificate Number
1	Abhay Rathod	Jawaharlal Darda Institute of Engineering and Technology, Yavatmal	Cert SSGMCE/IEEE/RTCV/01/2020
2	Aditya Mandloi	Medi-Caps University, Indore(M.P.)	Cert SSGMCE/IEEE/RTCV/02/2020
3	Akanksha Ravindra Khode	Bapurao deshmukh college of engineering, sevagram	Cert SSGMCE/IEEE/RTCV/03/2020
4	AKSHAY GOVIND MASAL	SKN SINHGAD INSTITUTE OF TECHNOLOGY AND SCIENCE	Cert SSGMCE/IEEE/RTCV/04/2020
5	ANANDA SHIVAJI PAYMODE	CSMSS CHH.SHAHU COLLEGE OF ENGINEERING,AURANGABAD	Cert SSGMCE/IEEE/RTCV/05/2021
6	Archana Mawale	Shri Sant Gajanan Maharaj College of Engineering SHEGAON	Cert SSGMCE/IEEE/RTCV/06/2021
7	Ashutosh Bhelonde	Shri Sant Gajanan Maharaj College Of Engineering Shegaon	Cert SSGMCE/IEEE/RTCV/07/2021
8	Ashvini Rameshrao Titamare	Shri Sant Gajanan Maharaj College of Engineering,Shegaon	Cert SSGMCE/IEEE/RTCV/08/2021
9	Atharva farkade	SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING	Cert SSGMCE/IEEE/RTCV/09/2022
10	Boppana Jaswanth Kranthi	Gokaraju Rangaraju Institute of engineering and technology	Cert SSGMCE/IEEE/RTCV/10/2021
11	Brahman Singh Bhalavi	IET DAVV INDORE (MP)	Cert SSGMCE/IEEE/RTCV/11/2021
12	DEVENDRA L.BHUYAR	CSMSS CHH.SHAHU COLLEGE OF ENGINEERING AURANGABAD	Cert SSGMCE/IEEE/RTCV/12/2021
13	Dr. Girish D Korde	Bapurao Deshmukh College of Engineering, Sevagram	Cert SSGMCE/IEEE/RTCV/13/2021
14	Dr. Sharada Vikram Chougule	Finolex Academy of Management and Technology, Ratnagiri	Cert SSGMCE/IEEE/RTCV/14/2022
15	Dr. Trupti H. Nagrare	S.B. Jain Institute of Technology, Management & Research, Nagpur	Cert SSGMCE/IEEE/RTCV/15/2022
16	Gowtham Sai Ponnekanti	Gokaraju Rangaraju Institute of Engineering and Technology	Cert SSGMCE/IEEE/RTCV/16/2022
17	HARSHAL PRAKASHRAO M	NIT-WARANGAL	Cert SSGMCE/IEEE/RTCV/17/2022
18	Jadhav Mahendra Rajendra	Shri Sant Gajanan Maharaj College of Engineering,Shegaon	Cert SSGMCE/IEEE/RTCV/18/2023
19	Mamoon Elahi Barbhuyan	Royal Global University, Guwahati	Cert SSGMCE/IEEE/RTCV/19/2022
20	Manisha Chahande	Amity School of Engineering & Technology	Cert SSGMCE/IEEE/RTCV/20/2022
21	Manoj Gofane	RAIT, D. P. Patil	Cert SSGMCE/IEEE/RTCV/21/2022
22	Mansi Bhatt	Guru Ghasidas University	Cert SSGMCE/IEEE/RTCV/22/2022
23	Md DANISH NADEEM	IIT (ISM) Dhanbad	Cert SSGMCE/IEEE/RTCV/23/2021
24	Mrs Sangita Mahendra Rajput	SSVPS's B S Deore College of Engineering Dhule	Cert SSGMCE/IEEE/RTCV/24/2021

25	Mrs. Pradnya Patil	K J Somaiya Institute of Engineering and Information Technology Mumb	Cert SSGMCE/IEEE/RTCV/25/2021
26	Namami Shanker	Indian Institute of Technology, Goa	Cert SSGMCE/IEEE/RTCV/26/2021
27	Neha Tanwar	Banasthali Vidyapith	Cert SSGMCE/IEEE/RTCV/27/2022
28	Patel Vinitkumar Vasantbhai	R C Patel Institute of Technology Shirpur	Cert SSGMCE/IEEE/RTCV/28/2022
29	PRASANNA GADGE	National Institute of Technology, Rourkela	Cert SSGMCE/IEEE/RTCV/29/2022
30	Prathamesh Edne	SSGMCE SHEGAON	Cert SSGMCE/IEEE/RTCV/30/2022
31	Pratik Atul Deore	Chavara English Medium School	Cert SSGMCE/IEEE/RTCV/31/2022
32	PRATIK MANOHAR KURATK	BAPURAO DESHMUKH COLLEGE OF ENGINEERING,SEWAGRAM	Cert SSGMCE/IEEE/RTCV/32/2019
33	Prof.Prashant More	HSBPVT's Gol Pankrama COE Kashti	Cert SSGMCE/IEEE/RTCV/33/2022
34	Rajan S Deshmukh	RCOE MUMBAI	Cert SSGMCE/IEEE/RTCV/34/2022
35	Ritu Dewan	sharda university	Cert SSGMCE/IEEE/RTCV/35/2022
36	Ruchika Lalit	Guru Gobind singh Indraprastha University, Delhi	Cert SSGMCE/IEEE/RTCV/36/2021
37	RUPESH SUSHIR	P. R. Pote College of Engineering and Management Amravati	Cert SSGMCE/IEEE/RTCV/37/2021
38	Santosh Dubey	United College Of Engineering & Research, Prayagraj	Cert SSGMCE/IEEE/RTCV/38/2021
39	Santosh Kumar Satapathy	Pondicherry Engineering College,Puducherry	Cert SSGMCE/IEEE/RTCV/39/2021
40	Sarita Sawaldas Bhutada	P. R. Pote Patil College of Engineering and Management, Amravati	Cert SSGMCE/IEEE/RTCV/40/2022
41	Sarvesh Waykole	VCET	Cert SSGMCE/IEEE/RTCV/41/2022
42	Shital Prakash Mundlik	SKN sinhgad college of engineering korti pandharpur	Cert SSGMCE/IEEE/RTCV/42/2022
43	Shivam Milind Bhadane	Canossa Convent High School	Cert SSGMCE/IEEE/RTCV/43/2022
44	Sonal Chaudhari	PVGCOET	Cert SSGMCE/IEEE/RTCV/44/2022
45	Sonali Swetapadma Panda	National institute of technology Rourkela	Cert SSGMCE/IEEE/RTCV/45/2019
46	Sujith Anandan	Anna University of Technology	Cert SSGMCE/IEEE/RTCV/46/2022
47	Sujithsingh S	PSG college of arts and science	Cert SSGMCE/IEEE/RTCV/47/2022
48	Sukhvinder Kaur Rekhi	Chh.Shahu College of Engineering	Cert SSGMCE/IEEE/RTCV/48/2022
49	T.Srikanth	RGUKT SRIKAKULAM	Cert SSGMCE/IEEE/RTCV/49/2022
50	Ujjwal	IIT GOA	Cert SSGMCE/IEEE/RTCV/50/2022
51	Vishal Pramod Patil	R. C. Patel Institute of Technology, Shirpur	Cert SSGMCE/IEEE/RTCV/51/2022
52	Yash Mahesh Kulthe	Shri Sant Gajanan Maharaj College of Engineering	Cert SSGMCE/IEEE/RTCV/52/2021

SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON

“RF CIRCUITS AND ANTENNAS”

Event Title: RF Circuits and Antennas.

Date: 01 February 2021 to 12 February 2021

Location: Shri Sant Gajanan Maharaj College of Engineering, Shegaon.

Organizing committee: Students Activities Committee, IEEE Bombay Section

Workshop Facilitators: IEEE team and, SSGMCE.

Number of Participants: 22 Student

Workshop Objectives:

1. Understanding RF Circuits: The primary objective of the workshop is to provide participants with a comprehensive understanding of RF (Radio Frequency) circuits. This includes the fundamental principles, components, and applications of RF circuits.
2. Antenna Design and Analysis: The workshop aims to equip participants with the knowledge and skills required to design, analyse, and optimize antennas. This includes understanding the theory behind antennas, practical design techniques, and simulation tools.
3. Practical Hands-On Experience: The workshop is designed to offer practical, hands-on experience in working with RF circuits and antennas. Participants will have the opportunity to engage in activities that involve building and testing circuits and antennas.

Outcomes:

1. Strong Understanding of RF Fundamentals: - Participants are expected to have gained a solid understanding of the fundamentals of Radio Frequency (RF). This knowledge is crucial for anyone working with antennas or wireless communication systems.
2. Radiation Concepts and 4NEC2X Familiarity: - Participants should have grasped the principles of radiation, an essential concept in antenna design. They are also likely to have become familiar with 4NEC2X, which is a valuable software tool for modelling antennas.
3. Wire Antenna Design, Simulation, and Optimization Skills:- The primary outcome is that participants should have developed practical skills in designing, simulating, and optimizing wire

antennas. This includes the ability to design antennas for specific applications, simulate their performance, and optimize them for maximum efficiency.

4. Enhanced Problem-Solving Abilities:- Working with wire antennas and RF systems often involves complex problem-solving. Participants may have enhanced their ability to analyse and solve problems related to antenna design and optimization.



Prof. P. R. Wankhede
Branch Counselor
• IEEE Students' Branch



Dr. G. S. Gawande
Head, E & TC Dept

Attendance

Two Week Online Hands-on Training Programme on "RF Circuits and Antennas" 01-12 February 2021 Participants List

Timestamp	Email Address	Your Name	Institute/Organization Name	Certificate Number	Select Designation	Contact Number (WhatsApp Number)	If yes, Enter your Active IEEE Membership Number.
1/14/2021 16:53:16	shubham.garg.19041@vitgoa.ac.in	Shubham Garg	Indian Institute of Technology Goa	SSGMCE/IEEE/RFCA/01/2021	UG Student	9340959897	97043435 700
1/19/2021 13:28:44	bhodesir@gmail.com	Pravin Ravindra Bhode	R C Patel Institute of Technology, Shipur	SSGMCE/IEEE/RFCA/03/2021	PhD Research Scholar	9793710493	1000
1/20/2021 20:02:59	bikashranjan.behera@gmail.com	BIKASH RANJAN BEHERA	International Institute of Information Technology Bhubaneswar, Odisha, India	SSGMCE/IEEE/RFCA/03/2021	PhD Research Scholar	7543021964	93647463 700
1/21/2021 14:40:54	ashish.chitora22@gmail.com	Ashish Chitora	BITS Pilani, K K Birla Goa Campus	SSGMCE/IEEE/RFCA/04/2021	Professor	9187330685	92859613 700
1/21/2021 17:09:34	17ec062sati@ug.cusat.ac.in	Rahul Satish	Cochin University Of Science And Technology	SSGMCE/IEEE/RFCA/06/2021	UG Student	7034730317	860
1/21/2021 17:11:35	anoopmenon145@gmail.com	Anoop Menon	Cochin University of Science and Technology	SSGMCE/IEEE/RFCA/06/2021	UG Student	9456667864	850
1/21/2021 19:45:24	kadwaneruchi09@gmail.com	Prof. (Ms) Ruchi Kadwane	SBITM Betul	SSGMCE/IEEE/RFCA/07/2021	Professor	9893480397	1000
1/21/2021 20:28:03	archana.deshpande@thakureducation.org	Archana Deshpande	Thakur College of Engineering and Technology	SSGMCE/IEEE/RFCA/08/2021	Professor	9820448939	1000
1/22/2021 10:08:05	arjunes5@gmail.com	ARJUN E S	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	SSGMCE/IEEE/RFCA/09/2021	UG Student	9485483423	850
1/22/2021 11:13:41	17ec007alex@ug.cusat.ac.in	Alex Saby	Cochin University of Science and Technology	SSGMCE/IEEE/RFCA/10/2021	UG Student	9446992349	850

V.V. Ramprakash
V.V. Ramprakash

1	subramankandan1985@gmail.com	S. Manikandan	Apappa Chettiar Government College of Engineering and Technology, Karaiyud-3	SSGMCE/IEEE/RFCA/11/2021	PG Student	9443909154
21	praveenkutti17@gmail.com	B PRAVEEN KUTTI	PSDMRCET	SSGMCE/IEEE/RFCA/12/2021	PhD Research Scholar	9659949311 93850957
27	praveenkutti1989@yahoo.co.in	Pawan D Kale	SSGMCE, Shegaon	SSGMCE/IEEE/RFCA/13/2021	Professor	9168369706
27	sambhatarale1@gmail.com	Sambhata Gajanan Tarale	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	SSGMCE/IEEE/RFCA/14/2021	UG Student	9404374632
31	vishakhade1508@gmail.com	Vedika Vilas Khade	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	SSGMCE/IEEE/RFCA/15/2021	UG Student	8805181550
2021	truptibhaskar29@gmail.com	Trupti Bhaskar	Shri Sant Gajanan Maharaj College of Engineering, Shegaon	SSGMCE/IEEE/RFCA/16/2021	UG Student	9834994877
7-26	leena.shah25@gmail.com	Leena Rohan Mehta	Custom Wadia Institute of technology Pune	SSGMCE/IEEE/RFCA/17/2021	Professor	9860567414
2021	pratikambekar@gmail.com	Pratik B. Ambekar	Sant Gajanan Maharaj College of Engineering, Mahagaon, Gachinglaj, Kolhapur	SSGMCE/IEEE/RFCA/18/2021	Asst Professor	7559385896
2021	chanchankar_s@gmail.com	Aashwin Kedar Chinchankar	Custom Wadia Institute of technology Pune	SSGMCE/IEEE/RFCA/19/2021	Professor	9011057170
27/2021	cursons@vsnl.com	Chetan Sambhujao More	Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune	SSGMCE/IEEE/RFCA/20/2021	PhD Research Scholar	9503636735
28/2021	tanu.1503@gmail.com	TANU S. SANTOSH KUMAR	NATIONAL INSTITUTE OF TECHNOLOGY MIZORAM	SSGMCE/IEEE/RFCA/21/2021	PhD Research Scholar	7013758922
28/2021	maneeera114@gmail.com	MEERA K	NIT puduchery	SSGMCE/IEEE/RFCA/22/2021	PG Student	9488737761 97352184

Permission Letter



SHRI SANT GAJANAN MAHARAJ
COLLEGE OF ENGINEERING, SHEGAON



IEEE Students' Branch

STB61661

web: <http://edu.ieee.org/in/ssgmce/>

email: ieee@ssgmce.ac.in

Date: 12th January, 2021

To,
The Principal,
SSGMCE, Shegaon

Subject: Permission to organize two week online hand-on training programme under IEEE Students Branch

Respected Sir,


With reference to above subject, we the undersigned are desirous to organize two week Hands-On training programme on "RF Circuits and Antennas" during 01-12 February 2021 under IEEE Students Branch in association with TPAC IEEE Bombay Section for the benefit of students and faculty interested in these areas. We are also in process to get technical sponsorship of Keysight Technologies and Bedrock Microwaves for this event. Registration Fees are:


1. For IEEE Members: Rs. 700/-
2. For Non-IEEE members: Rs.1000/-


(There will be 15% discount for group of 4 or more participants from same institute)

I request you to permit us to organize the above training programme.

Thanking you.


Prof. V. V. Ratnaparkhi
Resource Person and Coordinator


Dr. Pravin Wankhede
Branch Counselor and Coordinator


Dr. G. S. Gawande
Head, E & TC Dept

Permitted as per RK
12/1

Two Week Hands-On Training Programme
“RF Circuits and Antennas”

1st – 12th February, 2021

Programme Schedule

Sr. No.	Date	Topic	Timings
01	01/02/2021	Inaugural	02.30 PM-03.00 PM
		Fundamentals of RF	03.00 PM-05.00 PM
02	02/02/2021	Introduction to Keysight's ADS Software	03.00 PM-04.30 PM
		Lab Session on ADS	04.30 PM-06.00 PM
03	03/02/2021	Design of Couplers and Power Dividers	03.00 PM-04.00 PM
		Lab Session on ADS	04.00 PM-05.30 PM
03	04/02/2021	RF Filter Design-I: Filter Approximations, Filter design using stubs	03.00 PM-04.00 PM
		Lab Session on Filter Design-I	04.00 PM-05.30 PM
04	05/02/2021	RF Filter Design-II: Design of stepped Impedance filter, Design of Coupled line section filter	03.00 PM-04.00 PM
		Lab Session on Filter Design-II	04.00 PM-05.30 PM
06	08/02/2021	Microwave Amplifiers-I	03.00 PM-04.00 PM
		Lab Session on Microwave Amplifier-I	04.00 PM-05.30 PM
07	09/02/2021	Microwave Amplifiers-II	03.00 PM-04.00 PM
		Lab Session on Microwave Amplifier-II	04.00 PM-05.30 PM
08	10/02/2021	Microstrip Patch Antenna	03.00 PM-04.00 PM
		Lab Session on Microstrip Patch Antenna-I	04.00 PM-05.30 PM
09	11/02/2021	Lab Session on Microstrip Patch Antenna-II	03.00 PM-04.00 PM
		Lab Session on Microstrip Patch Antenna-III	04.00 PM-05.30 PM
10	12/02/2021	Introduction to RF measurements using VNA	03.00 PM-04.00 PM
		Characterization of RF components and antennas using VNA	04.00 PM-05.30 PM
		Valedictory Session	05.30 PM-06.00 PM

System Requirements for ADS Installation

- Laptop or Desktop with Min 4GB RAM and 64 bit Windows 10 OS

Two Week Online Hands-On Training Programme on

“RF Circuits and Antennas”

Introduction to RF



(01-12 February, 2021)

Mr. Vivek Ratnaparkhi
Assistant Professor

Department of Electronics & Telecommunication Engineering,
Shri Sant Gajanan Maharaj College of Engineering, Shegaon

Participant avatars: +10, S, BB, KB, K, MS, MK, GG, DS, and a profile picture.

Video controls: Play/Pause, 2:54 / 1:14:10, Scroll for details, Settings, Full Screen, and Share icons.

Screenshot of Event

**One Week Online Hands-on Workshop on
Two Week Online Hands-on Training Programme on "RF Circuits and Antennas"**

01-12 February 2021

Participants List

Timestamp	Email Address	Your Name	Institute/Organization Name	Certificate Number	Salary/ Designation	Contact Number (M/Whatsapp Number)	Photo, Either your Profile Pic or Working Number
1/14/2021 16:53:16	shubham.garg.19041@iitgoa.ac.in	Shubham Garg	Indian Institute of Technology Goa	SSGMCE/IEEE/RFCA/01/2021	UG Student	92421620057	572402420
1/19/2021 13:28:44	bholesir@gmail.com	Pravin Ravindra Bhole	R C Patel Institute of Technology, Shirpur	SSGMCE/IEEE/RFCA/02/2021	PhD Research Scholar	9762710445	10000
1/20/2021 20:02:59	bikashranjan.behera@gmail.com	BIKASH RANJAN BEHERA	International Institute of Information Technology Bhubaneswar, Odisha, India	SSGMCE/IEEE/RFCA/03/2021	PhD Research Scholar	75430220854	52847402
1/21/2021 14:40:54	ashish.chittora22@gmail.com	Ashish Chittora	BITS Pilani, K K Birla Goa Campus	SSGMCE/IEEE/RFCA/04/2021	Professor	9147253000	92009010
1/21/2021 17:09:34	17ec062sati@ug.cusat.ac.in	Rahul Satish	Cochin University Of Science And Technology	SSGMCE/IEEE/RFCA/05/2021	UG Student	7034173027	000
1/21/2021 17:11:35	anoopmenon148@gmail.com	Anoop Menon	Cochin University of Science and Technology	SSGMCE/IEEE/RFCA/06/2021	UG Student	94351917004	000
1/21/2021 19:45:24	kadwaneruchi09@gmail.com	Prof (Ms) Ruchi Kadwane	SBITM Betul	SSGMCE/IEEE/RFCA/07/2021	Professor	9810401037	10000
1/21/2021 20:28:03	archana.deshpande@thakureducation.org	Archana Deshpande	Thakur College of Engineering and Technology	SSGMCE/IEEE/RFCA/08/2021	Professor	9821460524	10000
1/22/2021 10:08:05	arjunes65@gmail.com	ARJUN E S	COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY	SSGMCE/IEEE/RFCA/09/2021	UG Student	94351917004	000
1/22/2021 11:13:41	17ec007alex@ug.cusat.ac.in	Alex Saby	Cochin University of Science and Technology	SSGMCE/IEEE/RFCA/10/2021	UG Student	9440322749	000