

Index Sheet for 1.4.2

1.4.2 Feedback process of the Institution may be classified as follows:

Options:

- A. Feedback collected, analysed and action taken and feedback available on website
- B. Feedback collected, analysed and action has been taken
- C. Feedback collected and analysed
- D. Feedback collected 5. Feedback not collected

Response : A Feedback collected, analysed and action taken and feedback available on website

Feedback from different stakeholders are collected, analysed and based on the feedback each department offered certification courses and organised guest lectures and technical talks.

Departmentwise Action taken on feedback AY 2020-21

Sl.No.	Department	Action Taken	Page No.
1.	BT	Certification course on Python Programming	2
2.	BT	Bridge course on Basic science of Electromagnetic Radiation	4
3.	CSE	Certification course on Machine learning	6
4.	CSE	Certification course on Mobile Application Development	8
5.	ECE	Certification course on Python Programming and its Applications in Image Processing	10
6.	EEE	Certification course on PYTHON and its Application to Signals and Systems	12
7.	ISE	Certification course on Mobile Application Development using Android Studio	18
8.	ME	Certification course on Managerial Skills	20



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Department of Biotechnology

Certificate Course –Python Programming

Post Event Report

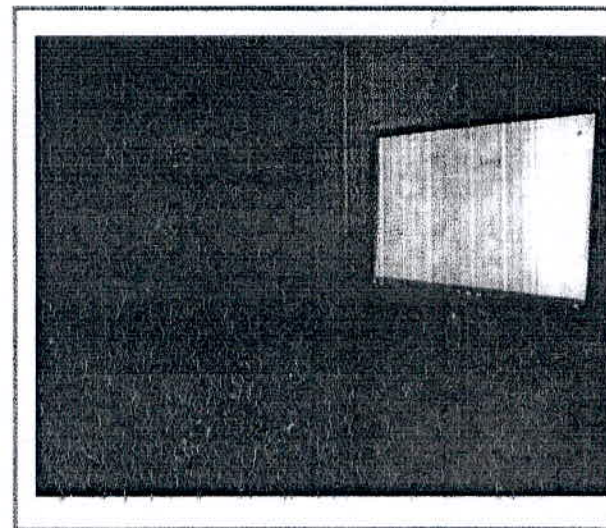
Department of BT conducted Certificate Course on Python Programming from 24th Aug 2020 to 29th Aug 2020

Objective of the Course: The one week course made the students to be familiar with the major concepts in Python Programming which is a main platform for their career. Certificate Course became the vital step to improve the knowledge of students.

Resource Person: Mr. J Surya Prakash, Assistant Professor, Sapthagiri College of Engineering Bangalore

Duration of the course: One week from 24th Aug 2020 to 29th Aug 2020

Student Participants in certification Program




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Department of Biotechnology



Dates	Report
24/08/2020	Speaker delivered a talk on introduction to Python application Programming
25/08/2020	Speaker delivered a talk on conditional statements and looping statements
26/08/2020	Speaker delivered a talk on python programming language
27/08/2020	Speaker delivered a talk on Tuples in python programming language
28/08/2020	Speaker delivered a talk on Dictionary in python Programming Language
29/08/2020	Real time projects in python

Conclusion: A program of education resulting in a certificate of completion rather than a degree. These programs prepare students to complete a specific task or allow them proficiency in one of the particular aspect of their field. Students were benefit with programming skills. Students pursues certificates in order to get ahead in the professional field of their interest.


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Department of Biotechnology

Bridge Course – Basic science of Electromagnetic Radiation

Post Event Report

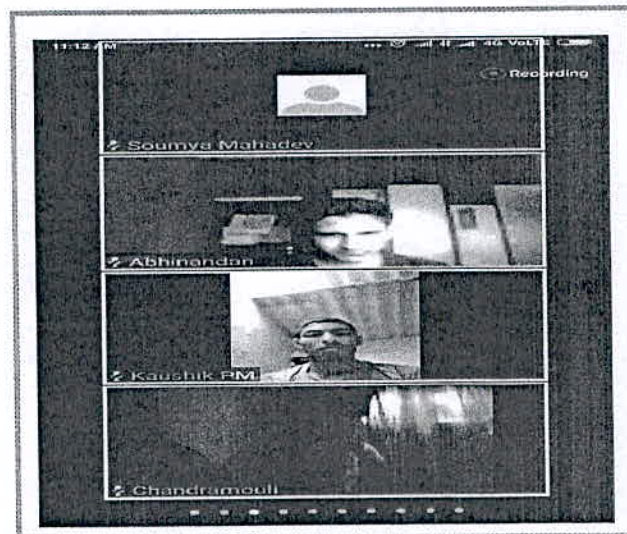
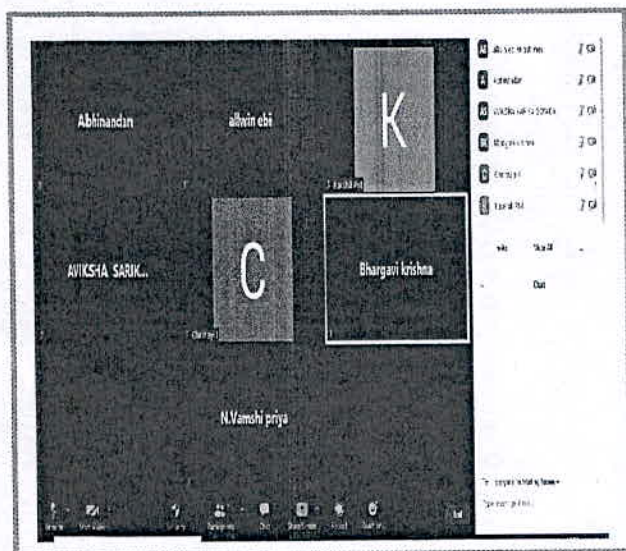
Department of BT conducted Bridge Course on Python Programming from 24th Aug 2020 to 30th Aug 2020

Objective of the Course: The one week course made the students to be familiar with the common uses and applications of Electromagnetic radiation platform for their career. Certificate Course became the vital step to improve the knowledge of students.

Resource Person: Dr. J S S Allwin Ebinesar, Associate Professor, Department of Biotechnology, Sapthagiri College of Engineering.

Duration of the course: One week from 24th Aug 2020 to 30th Aug 2020

Student Participants in Bridge course Program



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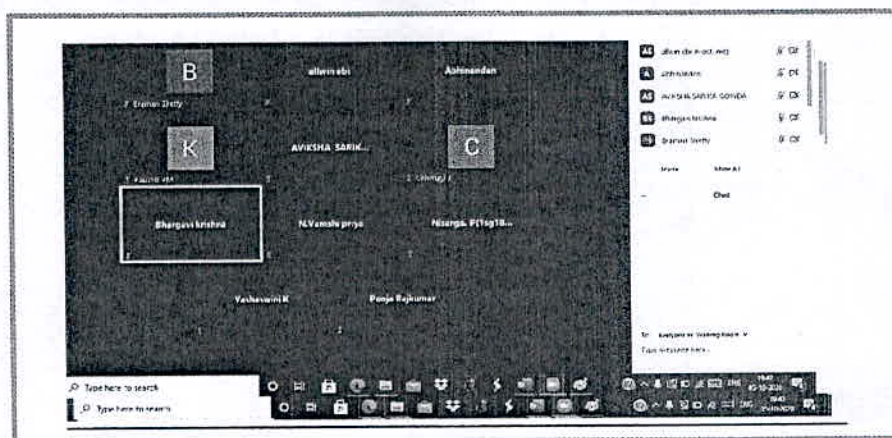
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Department of Biotechnology



Dates	Report
24/08/2020	Electromagnetic waves and properties Problems solving class
25/08/2020	UV rays, properties and applications Problems solving class
26/08/2020	2020 Infrared rays, properties and applications Problems solving class
27/08/2020	Microwaves and radio waves properties and applications Problems solving class
28/08/2020	X-rays and applications Problems solving class
29/08/2020	Difference between Electron beam and X-rays and its applications
30/08/2020	Problems solving class and Test for 1.5 hrs

Conclusion: These programs prepare students to complete a specific task or allow them proficiency in one of the particular aspect of their field. Students were benefit with common uses and applications of Electromagnetic radiation platform for their career. Students pursue certificates in order to get ahead in the professional field of their interest.


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Department of Computer Science & Engineering

Academic Year: 2020- 2021

Report on online Five Days Student Development Programme on "Machine Learning"

online Five Days Student Development Programme on "Machine Learning" in collaboration with CSE Faculties was organized by Department of Computer Science and Engineering at Sapthagiri College of Engineering, Bangalore from 16- 21 December, 2020. This programme was a combination of theoretical Talks & Hands-On experiments. This SDP aims to provide opportunities to faculty members to enrich their technical knowledge in the field of Machine Learning. The Programme also intends to develop the knowledge of participants for ML Program Design & Development in the relevant field for inculcating learning values in students. The Programme also intends to develop the culture in participants for motivation the relevant field for inculcating learning values in students and guiding and monitoring their progress. The SDP was attended by Students of Computer Science and Engineering..



Welcome Speech by HOD CSE

There were totally 114 student participants registered for the SDP Conducted by Department of Computer Science and Engineering.

Day1:

CSE HOD Dr. KamalakshiNaganna gave Welcome address to all the participants.

In the Morning Session Prof.Suriya Prakash J, Assistant Professor, Department of Computer Science &Engineering, Sapthagiri college of Engineering gave Handson Session on Anaconda IDE Installation.

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Department of Computer Science & Engineering Academic Year: 2020- 2021

In the Afternoon Session Prof.A.Latha, Assistant Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering gave Handson Session on Python Programming.

Day 2:

The Session on Introduction to Machine Learning & Job Oppurtunities by Dr.Kamalakshi Naganna, Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering .Afternoon Hands on Session given on Dimensionality Reduction by Prof.Suriya Prakash, Assistant Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering.

Day 3:

The Session on KNN & Random Forest Algorithm by Prof.Rashmi, Assistant Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering. Infosys followed by Hands on session on Linear regression Prof.Kiran, Assistant Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering.

Day 4:

The Session on ADHOC Network Dr.Praveen Kumar, Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering. Followed by Hands on session on AI by Dr.Guru Raj, Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering

Day 5:

The Session on Application of Machine Learning by Prof.Madhaushree, Assistant Professor, Department of Computer Science & Engineering, Sapthagiri college of Engineering .Followed by Ecertificates Send to all Participants Mail ID and also Appreciation Certificate sent to Resource Persons Mail Id.



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Department of Computer Science & Engineering

POST EVENT REPORT ON CERTIFICATION COURSE

“MOBILE APPLICATION DEVELOPMENT (SGCS64)”

Department of Computer Science & Engineering conducted Certification Course on “Mobile Application Development (SGCS64)” from 5th April 2021 to 9th April 2021.

✦ **Objective of the Course:** The five day course made the students to be familiar with the major concepts in “Mobile Application Development” which is a main platform for their career .Certification Course became the vital step to improve the knowledge of students.

✦ **Speaker:** Prof. KIRAN S, Sapthagiri College of Engineering, Bangalore.

✦ **Duration of the course:** Five days from 5th April 2021 to 9th April 2021.

Students attended the certification program. The course was successfully organized and carried out by Computer Science & Engineering department.

Speaker delivered talk and Hands on session on the following topics and the training program covered the following domains,

1. Introduction to Mobile Computing
2. Factors in Developing Mobile Applications
3. Intents and Services
4. Storing and Retrieving Data
5. Communications Via Network and the Web
6. Telephony, Notifications and Alarms, Graphics

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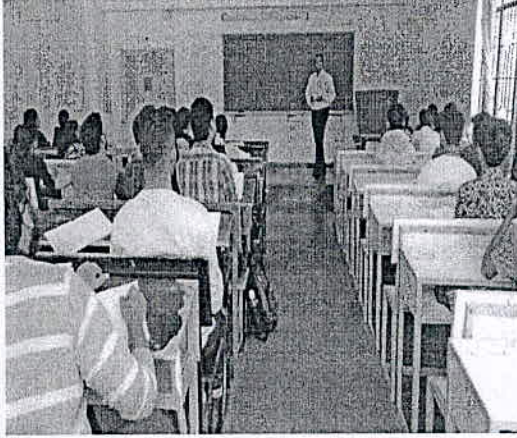
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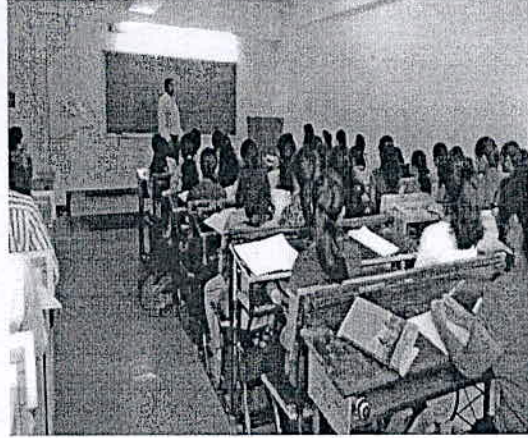
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Department of Computer Science & Engineering

FEW SCREENSHOTS OF THE PROGRAM



Speaker Kiran S delivering concepts
On Factors in Developing Mobile Applications.



Speaker delivering concepts on Mobile
Application Development.

Mandee
Coordinator

Kle's
HOD

Professor & Head of the Department
Computer Science Engineering
Sapthagiri College of Engineering
Bangalore-57

B
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Department of Electronics & Communication Engineering

Post Event Report

Certification Course on PYTHON Programming

Department of ECE conducted Certification Course on PYTHON Programming as an additional course to 5th and 7th semester students to enhance their knowledge in scripting languages (Modern Tool Usage - PO5).

- Speaker:**
- (i) Prof. Suriya Prakash J, Department of CSE, Sapthagiri college of Engineering, Bangalore.
 - (ii) Prof. Sandeep Kumar K, Department of ECE, Acharya Institute of Technology, Bangalore.
 - (iii) Mr. Praveen Ramanna, Software Engineering Manager, Naunce Communication INC., Bangalore.

Duration of the course: 23-12-2020 to 29-12-2020

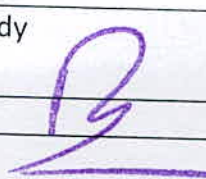
Course Delivery Mode : Google Meet

Course details : PYTHON Programming and its Applications in Image Processing

Objective of the Course: The course is to make the students to be familiar with PYTHON Programming and its application in implementing Image processing Algorithms.

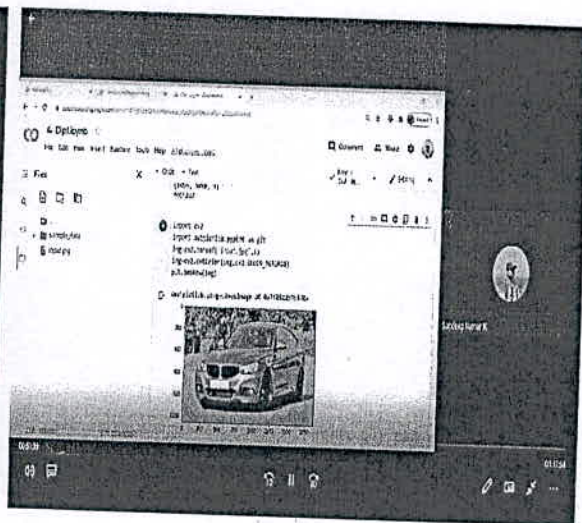
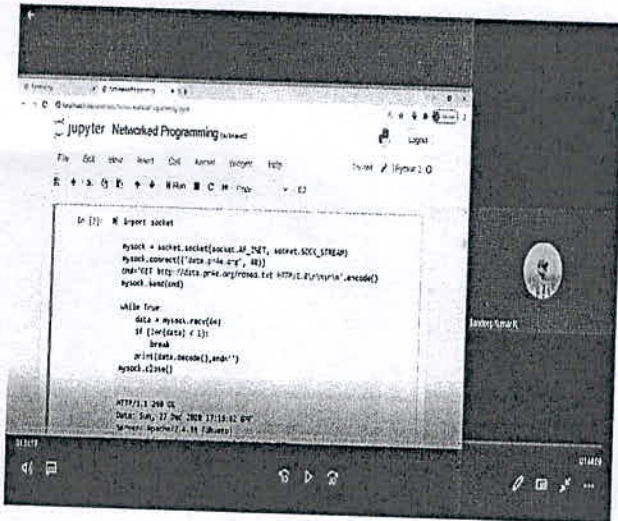
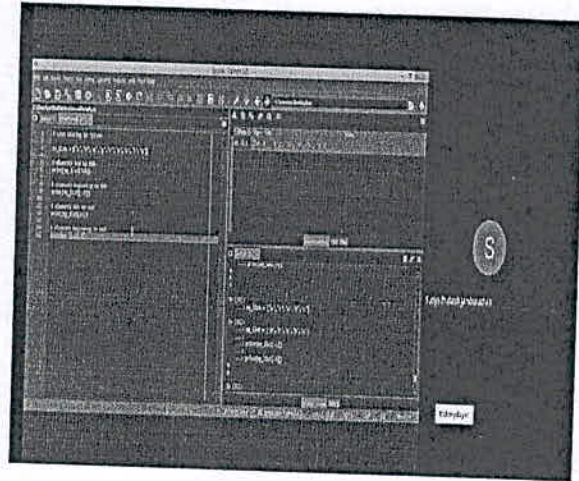
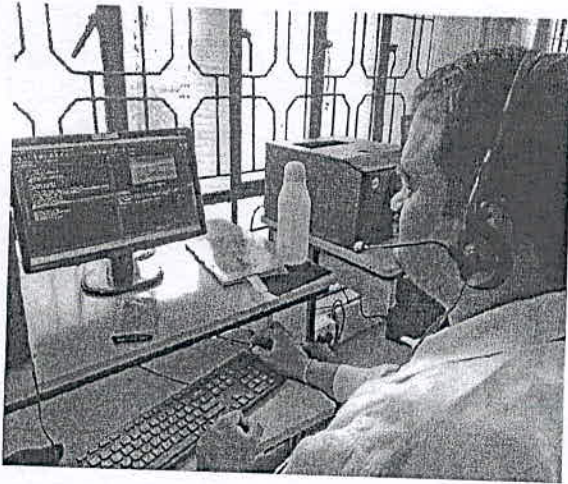
Certification Course Day wise report

Date	Topics Delivered
23.12.2020	Speaker delivered lecture on Introduction to python programming, Python interpreter and interactive mode, data types & operators and hands on session on IDE installation.
24.12.2020	Speaker delivered lecture on different string functions, lists and different conditional statements used in PYTHON with Hands on session
26.12.2020	Speaker delivered lecture on Modules and functions, different iteration statements and Program flow & execution with illustrative programs
28.12.2020	Speaker delivered lecture on implementation of Image processing algorithms using PYTHON and opencv with Hands on session.
29.12.2020	Case - study
16.01.2021	Test



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Resource Person Delivering the Course through Google meet



Conclusion:

Certification course made 94 % of students out of 122 registered students comfortable with programming in PYTHON for Image processing Applications. Through this course, an ecstatic learning background paved way to a positive learning environment in the class (Google Meet) where active participation was seen from every end. The optimistic learning environment prompted motivation in the learning of the students. A sense of satisfaction was also seen among students. This Course helped the students to improve their knowledge in python programming in the field of artificial intelligence and machine learning.

Coordinators

P. Agalya, S. Shobha

Principal

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Head of the Department

HOD, ECE
Dr. H.C. Sateesh Kumar

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Department of Electrical and Electronics Engineering

REPORT ON

Add-on course on "Python and its application to Signals and Systems"

CONDUCTED

(From 07/12/2020 to 24/12/2020)

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

REPORT:

An ADD on Course on “Python and its application to Signals and Systems”

was conducted from 7/12/2020 to 24/12/2020.

Resource Person: Dr.A.M.Leela, Prof(Retried), Archarya Institute of technology, Bangalore.

The Add-on course was conducted as per the following schedule.

Date	Content	No of Hours (Total 42 hrs.)
07-12-2020	Why Python	2
	Installation guide	
Python Interpreter		
08-12-2020	Python Variables	2
	Python Data Types	
09-12-2020	Python Operators	2
	Casting,	
-----	Online Quiz-1	1
10-12-2020	Program Flow Control	2
	If...else, while loop, for loop	
11-12-2020	Python Functions, Lambda function	2
-----	Online Quiz-2, Coding Exercise-1	1
Numpy Module		
12-12-2020	Creating array, indexing and slicing	4
14-12-2020	Copy v/s View, Array shaping and Re shaping	2
	Array iterating, Array Join,Array split	
15-12-2020	Array Search, Sort and Filter	2
-----	Online Quiz-3, Coding Exercise-2	1
Matplotlib Module		
16-12-2020	Importing, Pyplots	2
17-12-2020	Plotting and Markers, Line style	2
	Subplots	
-----	Online Quiz-4, Coding Exercise-3	1
Sympy Module		
18-12-2020	Importing, Substitution	2
	Simplify(), evalf() and lambdafy() functions	
19-12-2020	Simplification, Derivative and Integration	2
-----	Online Quiz-5, Coding Exercise-4	1
Application to Signals and Systems		
19-12-2020	Simulation of standard signals using Python	2
21-12-2020	Simulation of standard signals using Python	2
22-12-2020	Testing for Even and ODD signals	2
	Testing for Energy and Power signals	

mail.google.com/mail/u/1/?ogbl=search:leelaarakeremangowda@gmail.com/WhctKJWJFZwH5Vp8QxJLcZZHwtrCzqghWfaWUQWctjsRDWjgVYSZMWtxPnHkU

Gmail leelaarakeremangowda@gmail.com

Compose

Inbox 1,702

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Sent

Drafts 28

co-po attainment

More

Meet

New meeting

My meetings

Hangouts

Jhansi

No recent chats
Start a new one

Syllabus for the Python Course

Dr Leela A M <leelaarakeremangowda@gmail.com>
to KN, me

Nov 30, 2020, 12:02 PM

Respected Sir,
I am herewith attaching the syllabus coverage for 20 hours for the Certificate course on "Python and its applications to Signals and Systems". I request you to consider it for offering to your students and oblige.

Thanking you,
Yours faithfully,
Leela A M

Certificate course

Reply Reply all Forward

ADD-ON course...docx

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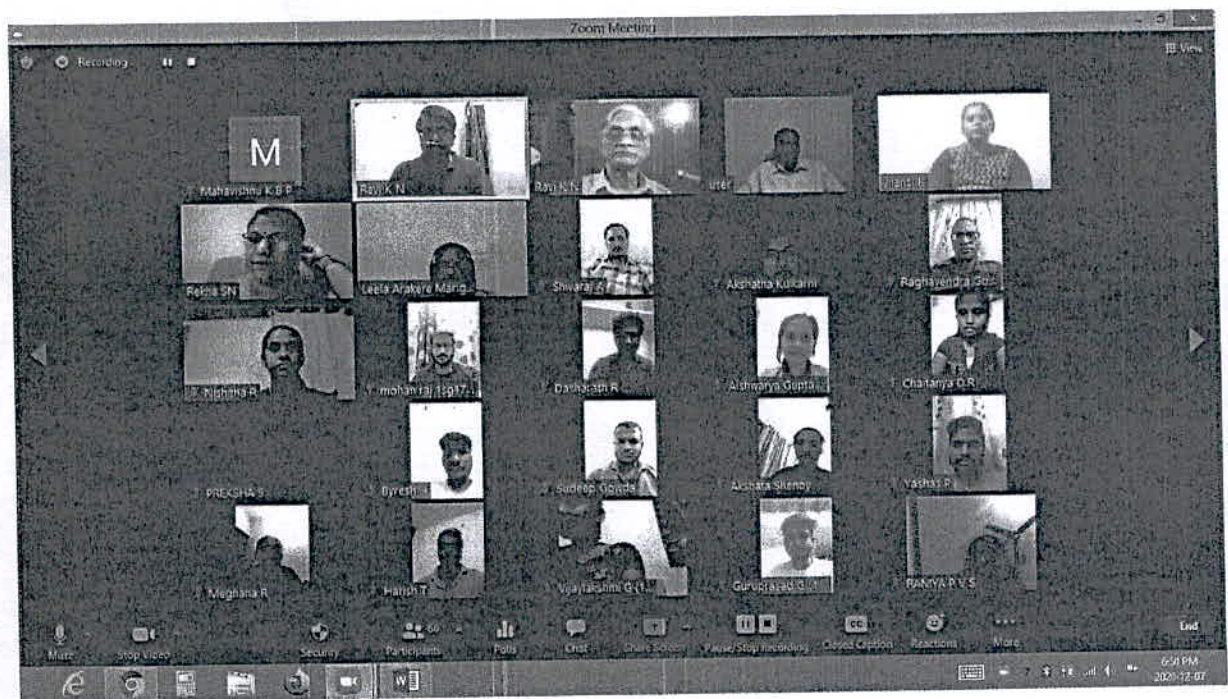
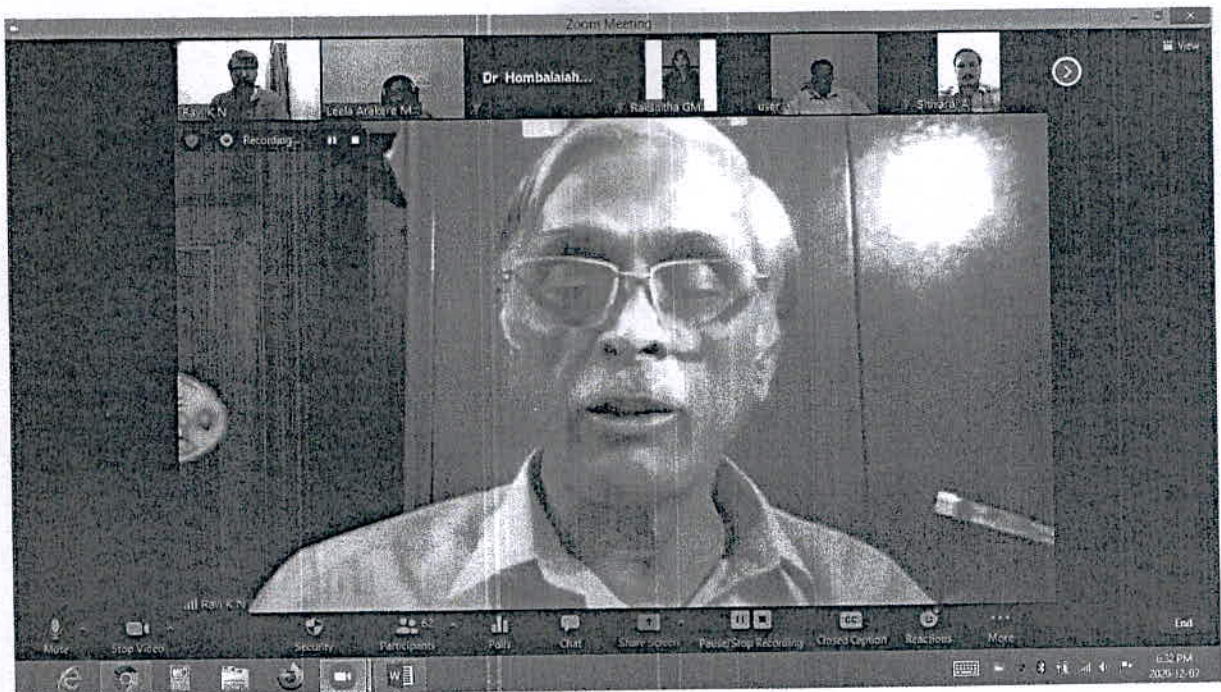
Certificate course

Reply Reply all Forward

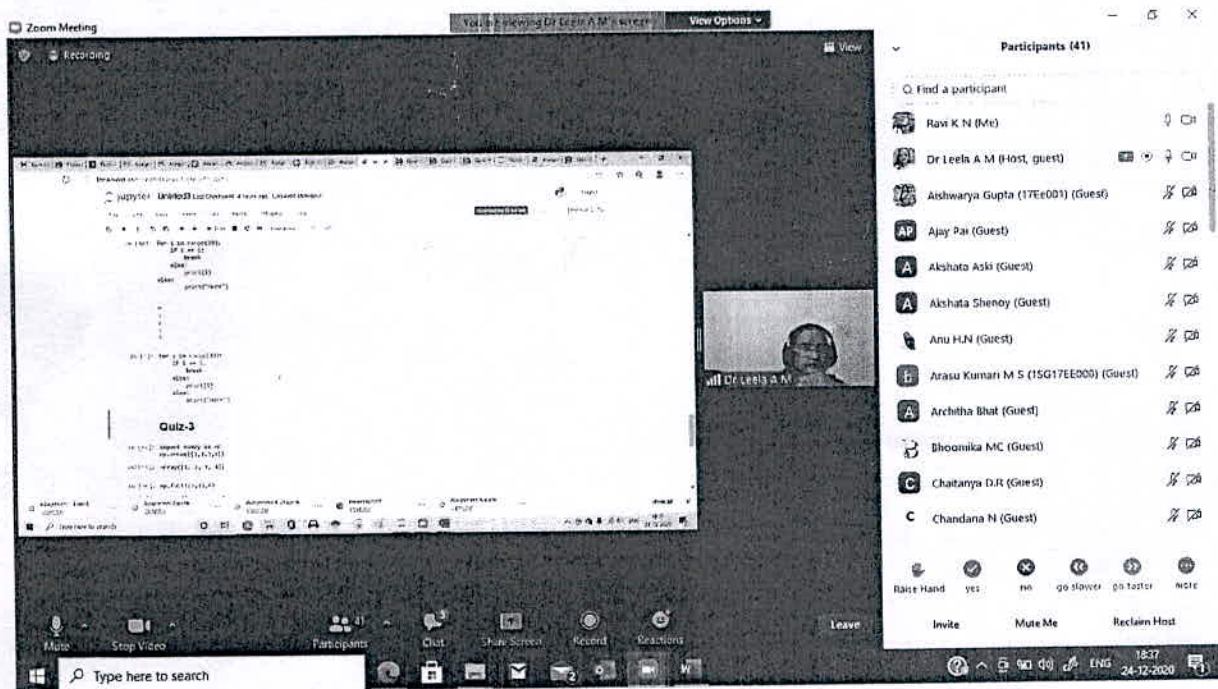
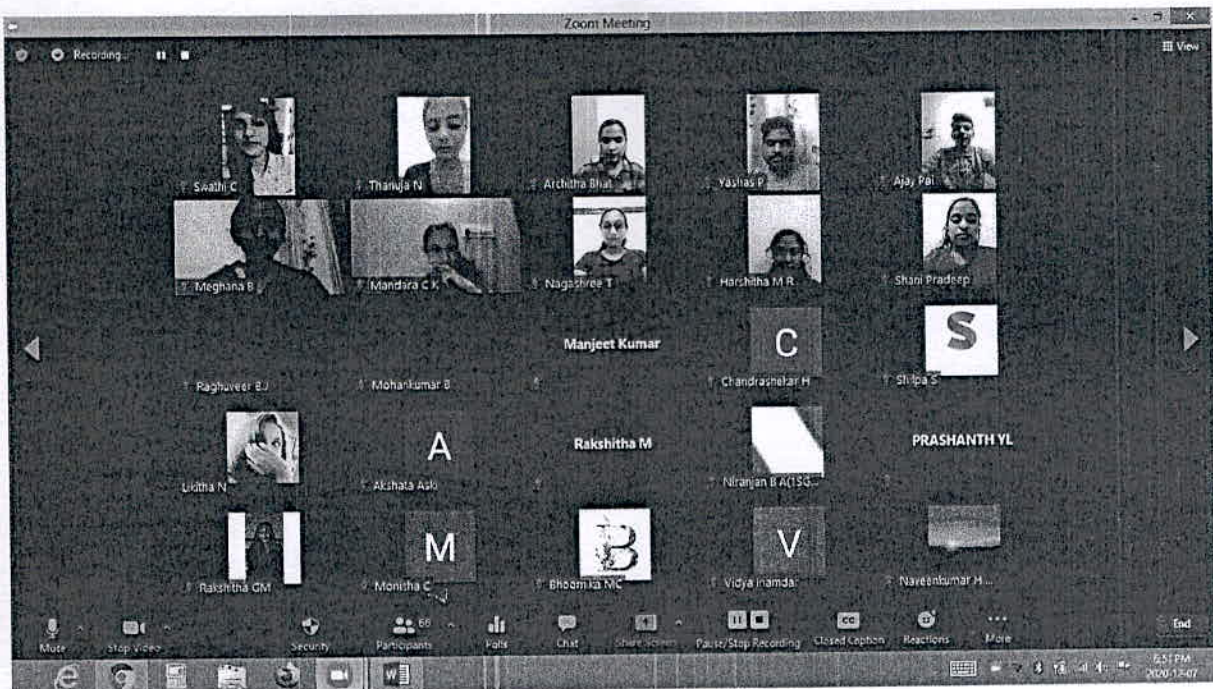
ADD-ON course...docx

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The snapshots for the open webinar are given below.




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Certification Program Report

Department of ISE conducted Certification Program on **“Mobile Application Development using Android Studio”**

Resource Person: Prof. Apoorva S., Assistant Professor, Department of CSE, S.J.C. Institute of Technology, Chikballapur.

Duration of the course: Six days from 20-Jan-2021 to 25-Jan-2021

Objective of the Course:

The six days course made the students to be familiar with the major concepts in mobile application development using android studio which is a main platform for their career. Certification Program became the vital step to improve the knowledge of students.

Certification Program made them comfortable with the mobile application concepts. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Speaker took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

Schedule of Certification Program

Dates	SESSION 1 (9.00am-10.40am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-5.00pm)
20-01-2021 Monday	Introduction to Android Studio	Introduction to Android Studio (Continued)	Hands on Session
21-01-2021 Tuesday	Basics of Java for coding in android studio	Basics of XML for design in android studio	Hands on Session
22-01-2021 Wednesday	Designing and coding of sample programs in java programming using android studio concepts	Case studies on Visiting card creation and Conversion of text to speech.	Hands on Session

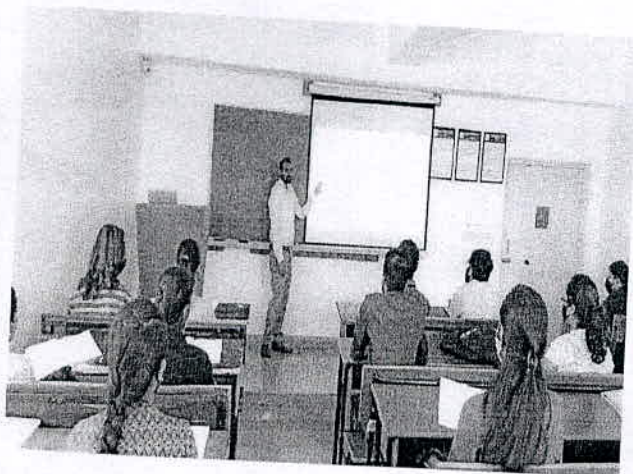
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23-01-2021 Thursday	Parsing of JSON and XML files	Case studies on phone dialer and changing wall paper	Hands on Session
24-01-2021 Friday	Introduction for the development of mini projects using android studio	Case Study on counter application	Hands on Session
25-01-2021 Saturday	Innovative ideas for the development of real time projects using android studio	Future scope of android studio	Hands on Session Test Conduction

Conclusion:

The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines. This Course helped the student to improve their knowledge in mobile application development.



6 days Certification Program on "Mobile Application Development using Android Studio" by
Prof. Apoorva S., Assistant Professor, Department of CSE, S.J.C. Institute of Technology,
Chikballapur from 20-Jan-2021 to 25-Jan-2021.

(Signature)
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(Signature)
Dr H.R. Raghodnatha
Prof. & H.O.D
Dept. of Information Science & Engg
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Certificate Course Report

Department of mechanical Engineering conducted Certificate Course on Managerial Skills.

GuestSpeaker: Prof. Satish Kumar, Asst Professor, SCE Bengaluru

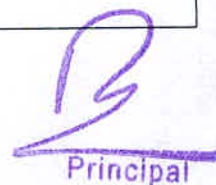
Duration of the course: five days from 08th February 2021 to 12th February 2021

Course detail

Objective of the Course: The five day course made the students to be familiar with the Management Skills which is a main platform for their career. Certificate Course became the vital step to improve the knowledge of students

Certificate course made them comfortable with the Knowledge on engineering management. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Faculty took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

Dates	SESSION 1 (9.00 am-12.00 pm)	SESSION 2 (1.00 pm- 4.00 pm)
08/02/2021 Monday	Introduction to management & Levels of Management	Planning and Planning process in management
09/02/2021 Tuesday	Organizing and types of organization in Management	Staffing and leadership Skills in management
10/02/2021 Wednesday	Motivation skills	Communication Skills


Principal

11/02/2021 Thursday	Need of Controlling and Directing in management	Managing Staff Virtually and Digitally
12/02/2021 Friday	Delegation Skills Management	Professional Ethics & Presentation Skills

Conclusion: The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. They felt more expedient while delivering the lectures as the margin was erased between these students and others. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines.




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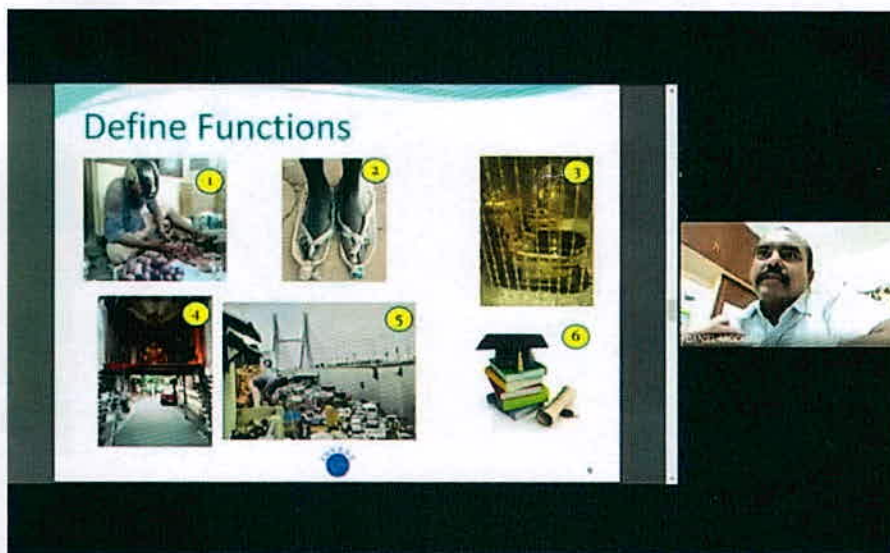
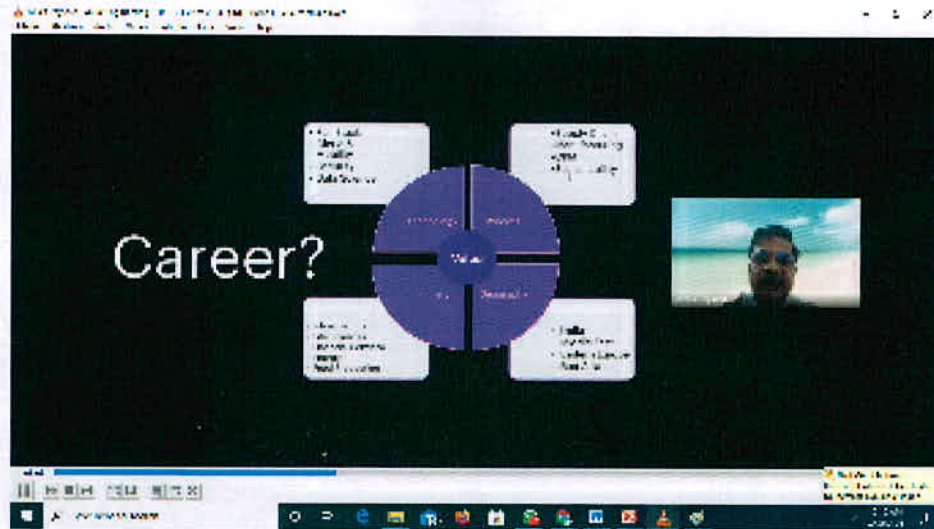


Figure: Glimpse of Certification Course

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