



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
Near Chitranagari, Kolhapur - 416013 (MS)

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

DTE INSTITUTE CODE : EN-6288
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050

PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : coekolhapur@bharatividyaapeeth.edu

Summary of All Program

Sr.No.	Name of Addon /Certificate programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in The year	Page No.
1	STTPon Coreto Advance Python programming	ETC 212201	18/4/2022 to 22/4/2022	148	148	3
2	One week STTP on communication and professional skills under lead college concept of Shivaji University, Kolhapur	CSE212205B	25/04/2022 to 29/4/2022	150	150	5
3	STTPon "NANOTECHNOLOGY : Synthesis, Characterization and application of nano materials in Engineering and science:	ME212203	17/1/2022 to 22/1/2022	55	55	7
4	Add-on course on "AUTOCAD "	ME212201	17/5/2022 to 23/5/2022.	55	55	10
5	Add-on course on "PLC Programming"	ME212202	6/6/2022 to 11/6/2022.	150	150	11
6	Hands on Training on Auto-CAD	CIV212201	17/5/2022 to 23/5/2022.	100	100	12
7	Democracy Elections And Good Governance	FY212201	27/09/2021 to 01/10/2021	100	100	14
8	Basic Aspects of ETAB Ssoftware	CIV202101	5days	110	110	15
9	1 Week Hands On Online Workshop on "Project Development Using Agile Methodology on Azure Devops"	CSE202105 A	5days	85	85	16
10	Add-on Course "SCILAB for Beginner"	ETC202101	09/08/2020 to 18/10/2020	100	100	18
11	3D Printing	ME202101	5days	125	125	20
12	Solid Works Modeling	ME202102	5days	168	168	21

13	STAAD-PRO SOFTWARE	CIV192001	16/03/2020 to 20/03/2020	92	92	22
14	Data Science and Machine learning using Python Workshop	CSE192005B	5th,6th,7th March 2020 and 2 days practises session(30Hrs)	120	120	24
15	Raspberry Pi	ETC192001	03/08/2019 to 12/10/2019	80	80	29
16	Research Awareness	ME192001	21/01/2020 to 25/01/2020	159	159	31
17	“Geospatial Technology Applications in Watershed Management using QGIS”	CIV181901	5days	90	90	32
18	Workshop National Level Students competition on "Android Development"	CSE181905B	14th,15th Feb 2019 and 2 days practice session(30Hrs)	94	94	34
19	PLC and SCADA Programming	ETC181901	27/02/2019 to 4/03/2019	106	106	39
20	Training on machine tools	ME181901	06/08/2018 to 10/08/2018	110	110	41
21	“PLC Programming”	ME181902	05/03/2019 to 14/03/2019.	139	139	42
22	Essentials of Communication Skills	FY181901	21/01/2019 to 26/01/2020	100	100	43
23	Workshop and Microsoft certification on "Network Security and 2 days practice sessions	CSE171805B	23rd to 25th Feb 2018 and 2 days practice session(30Hrs)	113	113	44
24	Hands on Training on Auto-CAD	CIV171801	08/01/2018 to 12/01/2018	109	109	48
25	Network Simulation Using NS2	ETC171801	06/08/2017 to 15/10/2017	110	110	50
26	Project Based Learning	ME171801	08/01/2018 to 12/01/2018	175	175	52



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department :** Electronics & Telecommunication Engineering
- **Name of Activity :** STTP on 'Core to Advanced Python Programming'
- **Course Code :** ETC 212201
- **Date of Activity :** 18th Apr to 22nd Apr 2022
- **No. o Participants :** 148
- **Participants From :** TY students of college
- **Resource Person :** Mr. Yameen Hakim Director Blue box Technology Pune.
- **Details of Activity :** Department of Electronics & Telecommunication organized five days STTP on 'Core to Advanced Python Programming' from 18th Apr 2022 to 22nd Apr 2022 for third year student of all branches. Currently in software industry Python is a language which widely used for programming purpose. In order to understand advance features of this language a hands on session is provided to students by resource person Mr. Yammen Hakim. In the session following points were covered:
 - Fundamentals of OOP.
 - Basics of Python.
 - Python program flow control.
 - Modules and packages.
- **Outcome of Activity :** Students gain knowledge regarding basics and advance features of python programming and able to work in python programming environment.
-
- **How it Bridges gap between Industry and Academia:** Organizing such workshop can be beneficial to students in order to aware about the latest technologies used in Industry and current trends in market.

- Photo:



Co-Ordinator
 (Mrs.A.H.Tirmare)

HOD
 (Dr.K.R.Desai)

Principal
 (Dr.V.R.Ghorpade)



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : Workshop on "Communication and Professional Skills"
- **Date of Activity** : 25/04/2022 to 29/04/2022
- **No. of Participants** : 150
- **Participants from** : TY Students of all branches
- **Resource Person** : Dr Vaishali Shinde, Free-lancer, Kolhapur.

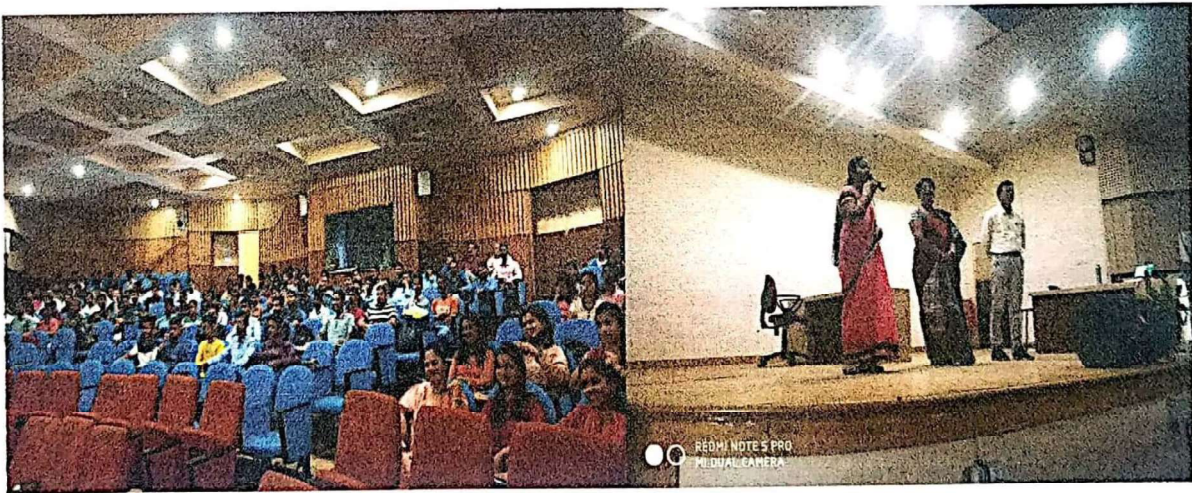
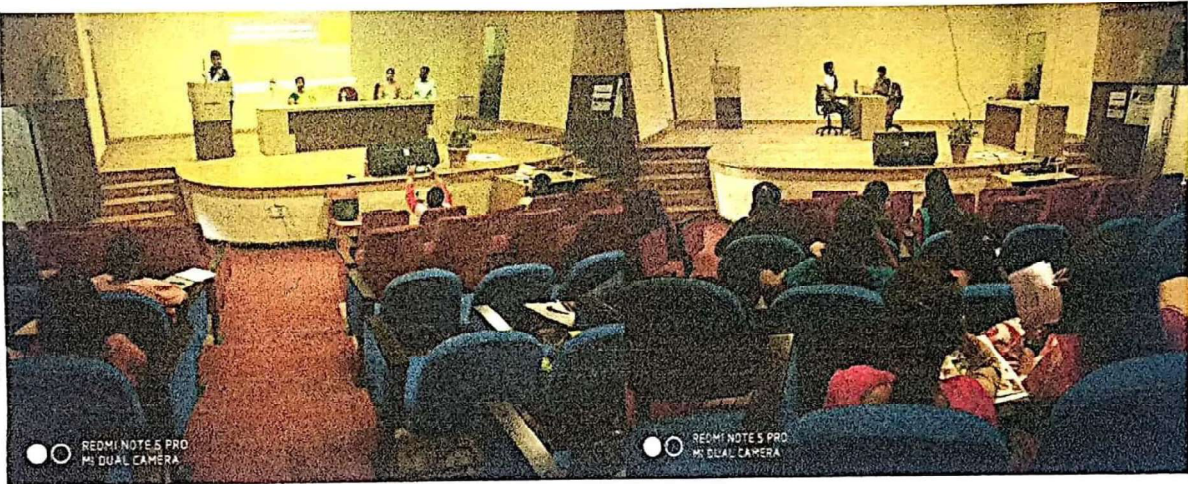
Details of Activity : Five days Short Term Training programme (STTP) on "Communication and Professional Skills" was organized from 25/04/2022 to 29/04/2022 for TY Students of all branches. The main agenda for the workshop was to let the students know the knowledge of communicant and professional skills. Knowledge was shared by Dr. Vaishali Shinde with the audience regarding how to use the skills while having group discussion or interviews, which is the need of current industry. Followed by a question and answer session.

In the session following points were covered:


- Language :- Vocabulary and Grammar;
 - Business Communication:- Listening, Reading, Writing skills;
 - Business Communication:- Speaking, Nonverbal communication ;
 - Soft Skills:- SWOT Analysis, Goal Setting- time Management, positive attitude, assertiveness, conflict Negotiation/resolution, Critical thinking and analytical thinking, Team Spirit and leadership.
 - Intra-Internal Organizational Behaviour:- Business Etiquette
 - Interview Techniques
- **Outcome of Activity** :
 - Students learnt to develop their grammatical skills along with different soft skills
 - Students were able learn different etiquette, grooming skills and how to face interview with confident.
 - **How it Bridges gap between Industry and Academia:**


This Workshop was intended to give the students knowledge about latest trends in attending different interview skills. Also, Students got ideas about etiquette and group discussion.


• Photos:



STTP on "Communication and Professional Skills"


Prof. P A Kharade/
Prof D A alone
Coordinator


Mrs. S. M. Mulla
HoD


Dr. Vijay R. Ghorpade
Principal

Bharati Vidyapeeth

Bharati Vidyapeeth Pune is the parent body of Bharati Vidyapeeth College of Engineering Kolhapur. Bharati Vidyapeeth one of the largest networks of education institution in India established by Hon'ble Dr. Patangrao Kadam in 1964 at Pune. Bharati Vidyapeeth has achieved it's new height of success under the guidance and leadership of Secretary Dr. Vishwajeet Kadam. Bharati Vidyapeeth has campuses across the country at New Delhi, Navi Mumbai, Sangli, Pune, Solapur, Karad, Satara, Panchgani and Kolhapur and also has overseas campus at Dubai and USA. Bharati Vidyapeeth has total 187 institute which includes Medical, Nursing, Pharmacy, Law, Biotechnology, Engineering, Management, Hotel Management, Agricultural, Pre Primary to Higher Secondary School and more. 1996 was the moment of crowning Glory in the life of Bharati Vidyapeeth as Govt. of India on the recommendation of UGC granted the status of "Deemed to be University" in appreciation of their academic excellence.

Bharati Vidyapeeth College of Engineering

College started in the year 2001 with Computer Science and Engineering, Electronics and Telecommunication Engineering. New branches namely Mechanical Engineering were added from 2006-2007 and Civil Engineering from academic year 2011-2012, Computer Science & Engineering (AI & ML) from 2021-22 all with an intake of 60. The Bharati Vidyapeeth college of Engineering is a private, self financing institution. The institute is approved by DTE, AICTE and is affiliated to Shivaji University, Kolhapur. Institute is accredited by NAAC with grade A. College also provide platform to develop the students in overall aspects

About the Department

The Department of Mechanical Engineering was established in 2006 and is offering B. Tech. and M.Tech. in CAD/CAM/CAE. The department has qualified and experienced staff and well-equipped laboratories with the state-of-the-art facilities. Students of the department have added value to the department by getting placed in reputed core and software companies and by excelling in competitive examinations.

About the FDP

NANOTECHNOLOGY playing a very vital role in multidisciplinary approach to create many new materials and devices with a vast range of applications, such as in Defence, Aerospace, Automobile, Nanomedicine, Nanoelectronics, Biomaterials, Energy, Production, Consumer products etc. This FDP will create awareness among the Faculties, researchers and students to know methods of synthesis, characterisation, and applications of NANOTECHNOLOGY.

FOUNDER

Dr. PATANGRAO KADAM Founder, Bharati Vidyapeeth, Pune.

CHIEF PATRON

Dr. VISHWAJEET KADAM Secretary, Bharati Vidyapeeth, Pune.
Pro Vice Chancellor, Bharati Vidyapeeth (Deemed to be University) Pune.
Dr. K.D. JADHAV Joint Secretary (Admn) Bharati Vidyapeeth, Pune.
Dr. H.M. KADAM Regional Director, Bharati Vidyapeeth, Pune.

CHAIRMAN

Dr. Vijay Ghorpade, Principal, BVCOE, Kolhapur.

CONVEYOR

Dr. Sunil Kadam Head of Mechanical Engineering Department.

COORDINATOR

Prof. Arjun Kadam - 9921024070

ORGANIZING COMMITTEE

- Prof. Dr. Pralhad Patole - 7755900251 • Prof. Suyash Kamble - 8087577237
- Prof. Amit Desai - 8888945494 • Prof. Roju Lokapure - 9860259513
- Prof. Gajendra Pol - 9890524685 • Prof. Avadhut Jadhav - 9503960959
- Prof. Mahesh Kulkarni - 9689589494 • Prof. Jitendra Shinde - 9146304050

RESOURCE PERSONS

- Dr. Anoop Anand**, DRDO, R&D, Pune.
- Dr. Abhi Yadav**, Rajarshree Shahu college, Latur.
- Dr. Achhe Lal**, SV National Institute of Tech., Surat.
- Dr. Sambhaji Shinde**, Hanyang University, South Korea.
- Dr. Sachin Shendekar**, Joint school of Nano Science and Nano Engineering, USA.
- Dr. Babasaheb Sankpal**, VNIT Nagpur, Institute of National Importance.
- Dr. Sawanta Mali**, Choonam University, South Korea.
- Dr. Nishad Deshpande**, Indian Institute of Information Technology, Surat.
- Dr. Dattaji Shinde**, VJTI, Mumbai.
- Dr. Tukaram Dongale**, School of Nanoscience and Biotechnology, Shivaji University, Kolhapur.
- Dr. Sachin Chavan**, Bharati vidyapeeth COE, Pune.
- Dr. Sushilkumar Jadhav**, NANO Science Department, Shivaji University, Kolhapur.
- Dr. Dadarao Raut**, VJTI, Mumbai.
- Dr. Sunil Kadam**, Bharati vidyapeeth COE, Kolhapur.

Important Dates:

Last Date of Registration: **15th Jan 2022**
Dates of the Program: **17th - 22nd Jan 2022**

Certificate: E-certificate will be given to the registered participant who will attend all the sessions and submit the feedback form



Hon'ble Dr. Patangrao Kadam
Former Union Minister



May 1964 The "Deemed to be University" Status

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR



Accredited by NAAC with 'A' Grade

ONE WEEK

Online FDP and STTP

On

"NANOTECHNOLOGY : Synthesis,
Characterization and Applications of
Nanomaterials in Engineering & Science"

(Under Lead College Activity)

Shivaji University, Kolhapur and in Association
with ISTE, New Delhi

17th - 22nd Jan. 2022

Organised By

Department of Mechanical Engineering

Near Chitranagari, Morewadi, Kolhapur 416 013, MAH.

Phone No.: 0231-2638894, 2638893

Email : coekolhapur@bharativedyapeeth.edu

Website : <http://coekolhapur.bharativedyapeeth.edu/>

REGISTRATION LINK

<https://forms.gle/fKqasGMe9DJrSxKr8>

**NO REGISTRATION
FEE**



**BIHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR.**

**FDP and STTP on "NANOTECHNOLOGY : Synthesis, Characterization and application of
nanomaterials in Engineering and science;**

Organized By Department of Mechanical Engineering

(Under Lead College activity, Shivaji University, Kolhapur and in association with ISTE, New Delhi)

About FDP and STTP : Nanotechnology is playing a vital role in multidisciplinary approach to create many new materials and devices with a vast range of applications, such as in defense, Aerospace, Automobile, Nanomedicine, Nanoelectronics etc., This FDP created awareness among the faculties and students to know methods of synthesis, characterization and applications of Nanotechnology.

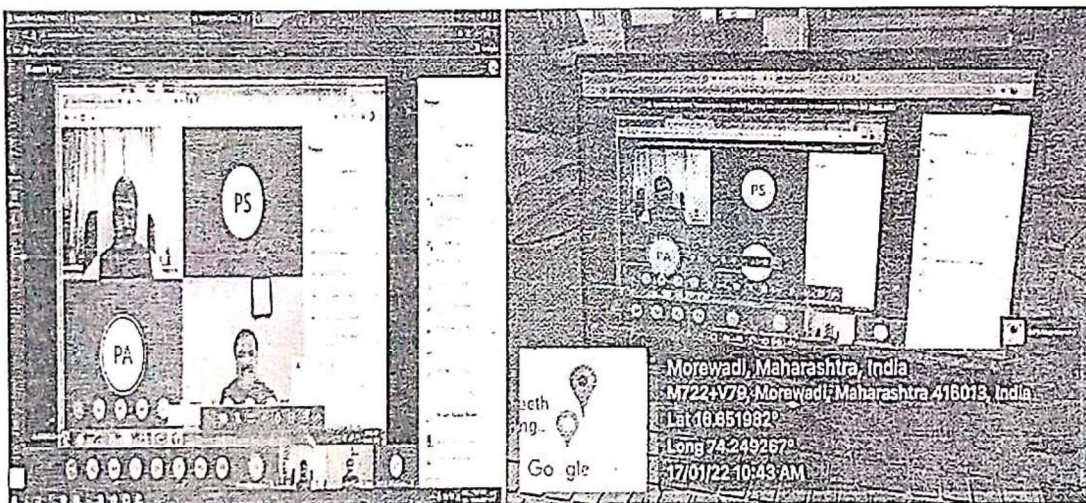
Details of Workshop:-


1. Host College : Bharati Vidyapeeth's College of Engineering, Kolhapur.
2. Organizing Department : Mechanical Engineering.
3. Name of Workshop : FDP and STTP on "NANOTECHNOLOGY : Synthesis, Characterization and application of nanomaterials in Engineering and science
4. Duration of Workshop : **Online one week**
5. Date of Workshop : 17th Jan. 2022 to 22nd 2022.
6. Resource Persons : Dr. Anoop Anand DRDO, R&D, Pune.
Dr. Abhijeet Yadav, Rajarshri Shahu college, Latur
Dr. Acche Lal, SV National Institute of Tech., Surat
Dr. Sambhaji Shinde, Hanyang University, South Korea
Dr. Sachin Shendekar, Joint School of Nano Science and
Nano Engg., USA
Dr. Babasaheb Sankpal, VNIT, Nagpur.
Dr. Sawanta Mali, Choonam University, South Korea.
Dr. Nishad Deshpande, Indian Institute of IT, Surat
Dr. Dattaji Shinde, VJTI, Mumbai.

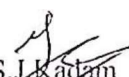
Dr.Tukaram Dongale,Shivaji University, Kolhapur
Dr. Sachin Chavan ,Bharati vidyapeeth COE,Pune
Dr. Sushikumar Jadhav, Shivaji University,Kolhapur


7. Number of Participants : 102 faculties and 28 students.
(Registration 365)
8. Conveyor : Dr.Sunil Kadam
9. Coordinator : Prof. Arjun P.Kadam
10. Organizing Committee : Dr. Pralhad Patole,Prof. Suyash Kambale,Prof.Amit Desai,Prof.Raju Lokapure,Prof.Gajendra Pol,Prof.Avdoot Jadhav,Prof.Mahesh Kulkarni,Prof.Jitendra Shi

11. Inauguration photographs :




Mr.A.P.Kadam
Coordinator


Dr.S.J.Kadam
H.O.D


Dr.V.R.Ghorpade
PRINCIPAL



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- Organizing Department: Mechanical Engineering Department

- Name of Activity: Add-on course on "AUTO CAD "
- Name of Coordinator: Mr. A.R.Jadhav ,Mr. J.G. Shinde
- Name of Resource Person: -

1) Mr. VijendraA.Lohar, Vaishanvi Dhumal (CAD DESK ,KOLHAPUR)

Date of Activity: 17/05/2022 to 23/05/2022.

- Participants: S.Y. B.Tech. Mechanical Students. (55)
- Details of Activity:

- ♦ AutoCad Software – 2D Drafting,& 3D Modeling .
- ♦ Orthographic Drawing Sessions.
- ♦ Industrial Drawing with Detail Sheet,GD&T.
- ♦ 3D Modeling of Mechanical Jobs.

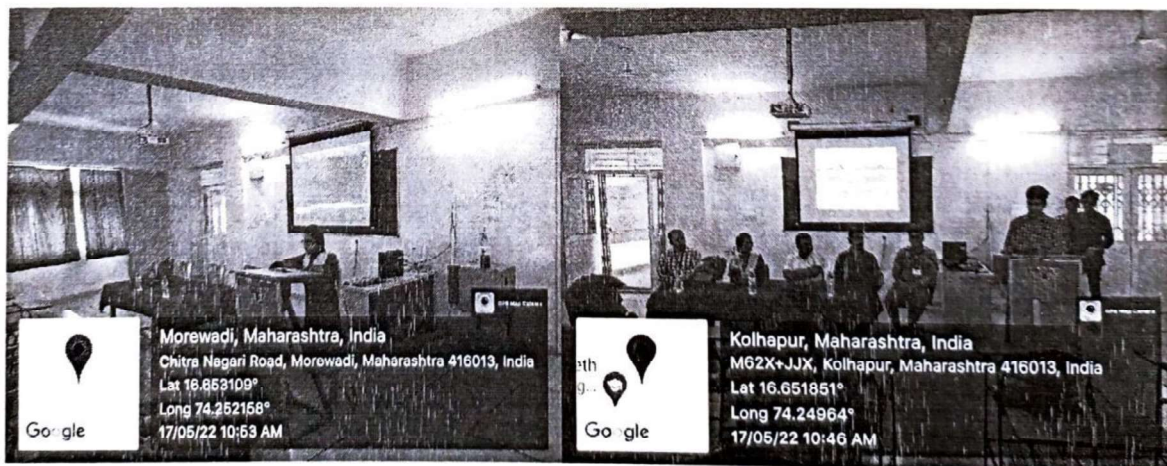
- Outcome of Activity:

Students, Faculty get information about various module of AUTO CAD & industrial drawing using AUTO CAD in Mechanical Engineering.

- How It bridges Between Industry And Academia:

It aware students about use of Auto Cad in industry & recent advances in CAD modeling.

- Photos:



Mr. S. J. Kadam

HOD

Dr. V. R. Ghorpade

Principal

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

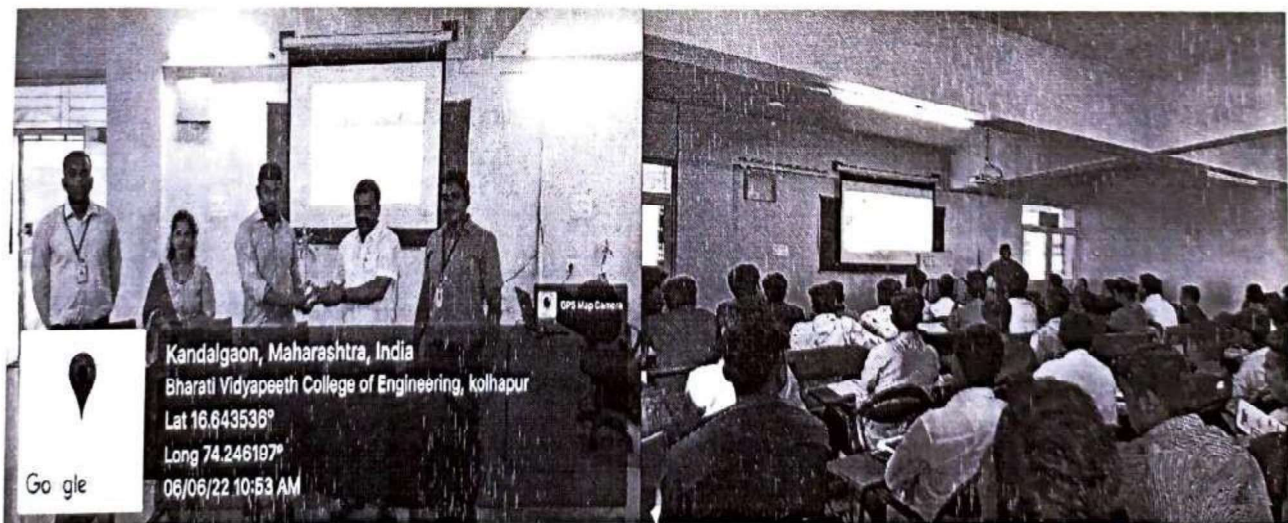
- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Add-on course on "PLC Programming"
- **Name of Coordinator:** Mr. J. G. Shinde, Mr. A. R. Jadhav
- **Name of Resource Person:** -
Mr. Vaibhav V. Khade (Universal Innovation Group, Pune)
- **Date of Activity:** 06/06/2022 to 11/06/2022.
- **Participants:** Final Year B.Tech. Mechanical Students. (150)
- **Details of Activity:**
 - Introduction to PLC
 - PLC Advantages over Microcontrollers
 - Basics of Ladder Diagram & Area of Applications
 - Introduction To RSLogix Downloading a Ladder Program in PLC.
 - ,How To Take Input From Panel, How To Give Output
 - Hands on PLC training Kit.
- **Outcome of Activity:**

Students, Faculty get information about PLC in Mechanical Engineering.

- **How It Brides Between Industry And Academia:**

It will aware about use of PLC in industrylike robotics Automation etc.

- **Photos:**



Mr. S. J. Kadam

HOD

Dr. V. R. Ghorpade

Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering.
- **Name of Activity :** Hands on Training on Auto-CAD
- **Name of Coordinator:** Mr. V.B Patil
- **Name of Resource Person :** Mr. Vikramsinh Tiware
- **Date of Activity:** 17th May 2022 to 23rd May 2022
- **Participant :** Second year & Third Year Civil Students(100)
- **Details of Activity:**

AUTO-CAD is used to refer **CAD** which is any type of computer aided design/drafting. Basically **AUTO-CAD** is the name of the software which is developed by the company named **Autodesk**. AutoCAD is used by Architecture, Engineer, and Construction to generate and optimize 2D and 3D designs. AutoCAD is a widely used software program that can help the students to draft construction documentation, explore design ideas, visualize concepts through photorealistic renderings, and simulate how a design performs in the real world. A good knowledge of **AUTO-CAD** will help the students to improve the ideas of designing and planning which will help them in future.

- **Outcome of Activity :** To create awareness of **AUTO-CAD** software among the students. Auto-CAD is a versatile tool and students make it one of one of the most valuable tool for learning and implementation purpose.

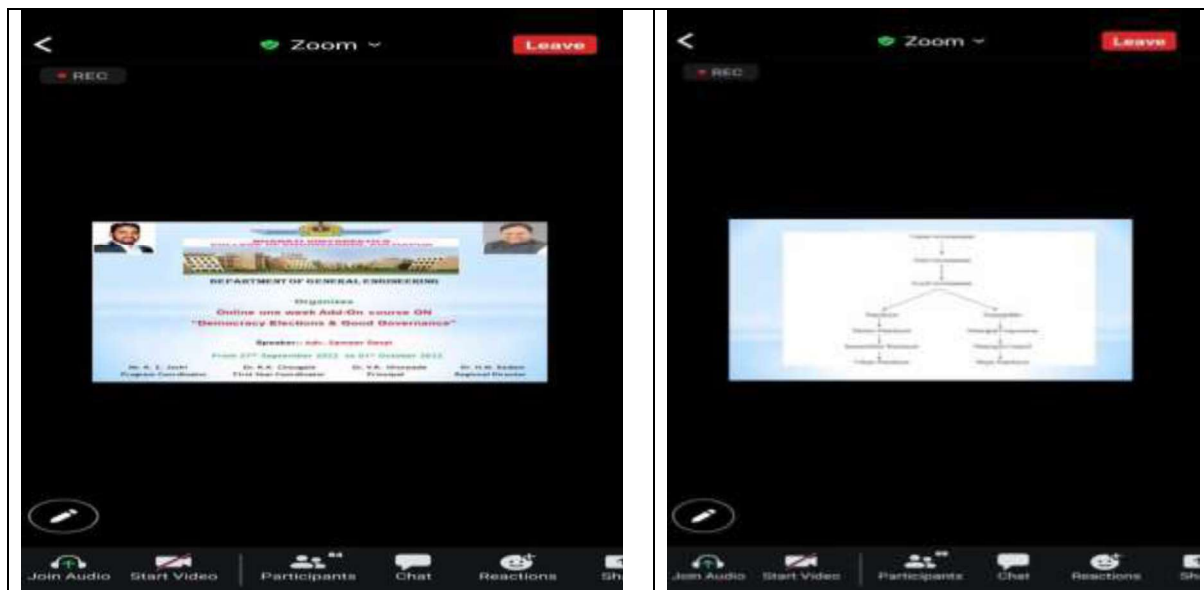
- **Photo:**





BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** General Engineering Department
- **Name of Activity:** Add-on course on "Democracy Elections and Good Governance"
- **Name of Coordinator:** Mr. K.S.Joshi
- **Name of Resource Person:** - Adv. Sameer Desai
- **Date of Activity:** 27/09/2021 to 01/10/2021 through online mode
- **Participants:** F.Y. Students and Faculty
- **Details of Activity:** Significance of DEGG
Democracy in India
Election to Local Self Government Bodies
Good Governance
Economics of Democracy and Rights
- **Outcome of Activity:**
Engineering Graduate Students get information about "Democracy Elections and Good Governance".
- **Photos:**



Dr. R. K. Chougale
First Year Coordinator

Dr. V. R. Ghorpade
Principal



Social Transformation Through Dynamic Education

BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING KOLHAPUR

DEPARTMENT OF CIVIL ENGINEERING

Add-on Course “Basic Aspects of ETABS software”

➤ **Course Objectives:**

The course aims to offer comprehensive knowledge on the ETABS software and its applications. The course will help the students to acquire in-depth details about the different procedures and simplified analysis aspects of the design models. The certification converts a candidate into an expert that is ready to work in the civil design industry.

➤ **Course Outcome:**

On successful completion of the course, the students should be able to:

- Understand the main features of the ETAB software to enable their usage in the Civil Engineering Field.
- Implement application of ETAB software in analysis and design of RCC building.

➤ **Prerequisite:**

ETABS is the software being used in the CAD industry by the civil engineers to analyze and design the program developed especially for building systems. The candidates should have completed civil engineering study specially structural mechanics, structural analysis and structural design.

➤ **Overview of the Course:**

E-Tabs is a refined and advantageous unique examination and configuration project matured particularly to build frameworks. With its coordinated framework and the capacity to handle the biggest and most complex building models arrangement, it guarantees: Powerful CAD- like drawing devices in a graphical and object-based interface. Increased profitability of basic architects in the building business. Significant investment funds in time and effectiveness over universally useful programs.



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : One Week Online Workshop on Project Development
Using Agile Methodology on Azure DevOps
- **Date of Activity** : 12/10/2020 To 17/10/2020
- **No. of Participants** 105
- **Resource Person** : Mr. Kiran Patil, IT Professional, Pune.
- **Course Code** : CSE2021501
- **Details of Activity** :

One Week Hands-On Online Workshop on Project Development using Agile Methodology on Azure DevOps was organized from 12/10/2020 To 17/10/2020 for BE Students. The main agenda for the workshop was to let the students know the knowledge of Agile Methodology on azure devops in the field of computers. Knowledge was shared by Mr. Kiran Patil with the audience regarding how to use the agile methodology while developing projects which is the need of current industry. Followed by a question and answer session.

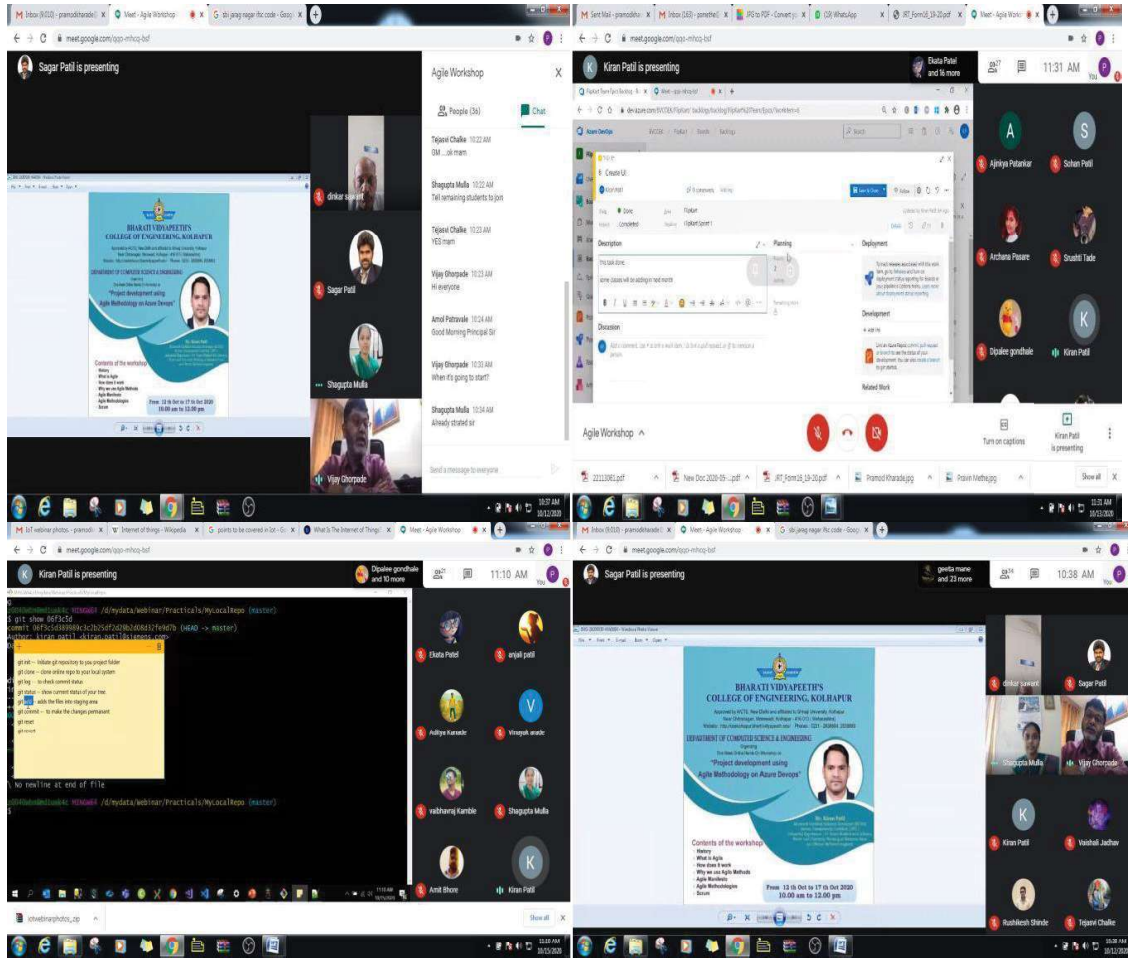
In the session following points were covered:

- Use of agile and other development processes and methods;
- Demand for an increased rate of production releases – from application and business unit stakeholders;
- Wide availability of virtualized and cloud infrastructure – from internal and external providers;
- Increased usage of data center automation and configuration management tools;
- Increased focus on test automation and continuous integration methods;
- A critical mass of publicly available best practices
- **Outcome of Activity** :
They learnt Project Development using Agile Methodology on Azure DevOps with basic fundamentals of DevOps Technology.
 - Students got to know about the new trending Situations in the field of computer.
 - Also learnt how to develop a project into the real world product so that it will help them to become an entrepreneur.

- **How it Bridges gap between Industry and Academia:**

This Workshop was intended to give the students insight into latest trends and technological advances into the area of computer science. Also Students got ideas about Agile Methodology on Azure DevOps.

- **Photos:**



Workshop on Project Development using Agile Methodology on Azure DevOps

Mr. S B. Patil
Mr. P A. Kharade
Cordinator

Mrs. S M. Mulla
HOD

Dr. Vijay R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engg.
- **Name of Activity:** Add-on Course “SCILAB for Beginner”
- **Course Code:** ETC202101
- **Name of Coordinator:** Dr. J. K. Patil and Mr. V. S. Mandlik
- **Name of Resource Person:** Dr. J. K. Patil and Mr. V. S. Mandlik
- **Date of Activity:** 09/08/2020 to 18/10/2020.
- **Participant:** Third Year E&TC Students (100)
- **Details of Activity:**

Open Source Scilab is a **free and open-source software for engineers & scientists**. Scilab implements a user-friendly language, similar to the one used in the popular software Matlab. But unlike Matlab, Scilab can be freely downloaded, freely copied, freely modified, and also freely distributed. Naturally, Scilab can be used absolutely free of cost, unlike Matlab, which can be extremely expensive, especially for the industry. Scilab comes with a graphical programming interface Xcos, which is similar to Simulink. A good knowledge of Scilab will help improve the employment potential of your students.

- **Outcome of Activity:** To create awareness of Open-source software (OSS) among the students.
- **How it Bridges gap between Industry and Academia:** Scilab provides a world class powerful environment for engineering computation and scientific applications to create industry ready student using open-source software.

- **Photo:**

INSTALLING SCILAB

1. Download Scilab from www.scilab.org (Windows on the top, other OSs below)

2. The right operating system should be on top. Save the file, typically it goes to your own Downloads folder

12:31 PM | wgu-pvwt-hka

PLOT FUNCTION DEMOS

You get a demo of certain plot functions by entering the function name on the Console. Examples:

- grayplot()
- errbar()
- plot3d()
- fplot3d()

Are you talking? Your mic is off. Click the mic to turn it on.

12:34 PM | wgu-pvwt-hka

Mr. V. S. Mandlik/ Dr. J. K. Patil
Course In-charge

Dr. K. R. Desai
HOD

Dr. V. R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department: Mechanical Engineering Department**

- **Name of Activity: Add-on course on "3 D PRINTING"**

- **Name of Coordinator:** Mr. A.R.Jadhav ,Mr. J. G. Shinde

- **Name of Resource Person:** - Mr. N A SHINDE,

Date of Activity: 4/01/2021 to 9/01/2021 through online mode

- **Participants:** B.E Mechanical Student(125).

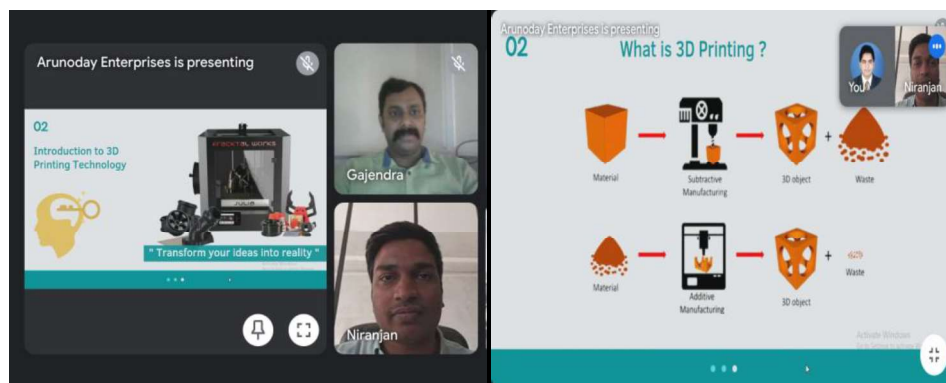
- **Details of Activity:**

- ◆ 3D Printing– Introduction
- ◆ CAD for Additive Manufacturing
- ◆ Additive Manufacturing Techniques
- ◆ Materials for 3D Printing
- ◆ Application of 3D printing (Biomedical, automotive, aerospace)
- ◆ Post-processing Requirements and Techniques
- ◆ Sustainable Aspects of 3D Printing Technologies

- **Outcome of Activity:**

Students, Faculty get information about **various module of Solid works & industrial drawing using solid works** in Mechanical Engineering.

- **Photos:**



Mr. S. J. KADAM

HOD

Dr. V. R. Ghorpade

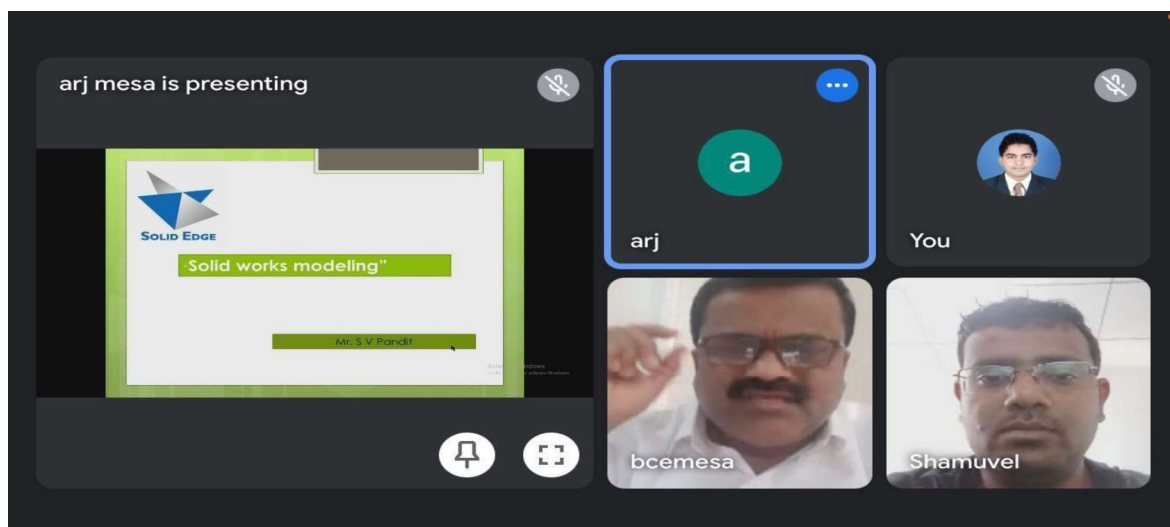
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Add-on course on "Solid works modeling"
- **Name of Coordinator:** Mr. A.R.Jadhav ,Mr. J. G. Shinde
- **Name of Resource Person:** - 1) Mr. S V Pandit,
Date of Activity: 4/01/2021 to 9/01/2021 through online mode
- **Participants:** TY Mechanical Student(168), Faculty.
- **Details of Activity:**
 - Aware ness of 2D &3 D Modeling
 - Aware about SOLIDWORKS Fundamentals
 - Aware about common tools for making parts in the SOLIDWORKS software.
 - Aware about various module of solid edge
- **Outcome of Activity:**

Students, Faculty get information about **various module of Solid works & industrial drawing** using **solid works** in Mechanical Engineering.
- **Photos:**



Mr. S. J. KADAM

HOD

Dr. V. R. Ghorpade

Principal



**BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING ,KOLHAPUR**

- **Organizing Department:** Civil Engineering.
- **Name of Activity :** Add-on Course “STAAD-PRO SOFTWARE”
- **Name of Coordinator:** Mr. V.B Patil
- **Name of Resource Person:** 1. Mr.M.M.More.
2. Mr.N.A.Mohite.

- **Date of Activity:** 16th to 20th MARCH 2020
- **Participant :** Third Year & Final year Civil Students(92)
- **Details of Activity:**

STAAD-Pro is one of the most widely used structural analysis and design software products worldwide. It can apply more than 90 international steel, concrete, timber and aluminum design codes. It can make use of various forms of analysis from the traditional static analysis to more recent analysis methods like p-delta analysis, geometric non-linear analysis, Pushover analysis (Static-Non Linear Analysis) or a buckling analysis. It can also make use of various forms of dynamic analysis methods from time history analysis to response spectrum analysis. The response spectrum analysis feature is supported for both user defined spectra as well as a number of international code specified spectra.

- **Outcome of Activity:**

Student will be able to complete object-oriented instinctive 2D/3D graphic model generation. Will know to make isometric & perspective views and 3D shapes. Student will be able to design concrete beams/columns/slabs/footings as per all major.

About this call

People

Information

06 Kashif Karol

1/2

11ketan jawalkar

1/2

25 Revti Dalvi

1/2

J

35 PRADNYA JAGTAP

1/2

39 Pratik Lad

1/2

40 .RITESH Londhe

1/2

41 Omkar Malavade

1/2

44 ELIYAS MULLA

1/2

49 Gaurav Parit

1/2

P

58 Swapnil Pawar

1/2

64 shreyash sawant

1/2

70 Anushka Sutar

1/2

S

73 Suchitra Sutar

1/2

prasad jadhav

1/2

prasad jadhav (Presentation)

1/2

You

prasad 16

P

54Pushpak

P

56 Sourav

C

02 Atharva

P

51 Deepali

S

69 Akanksha

48 komal

You

P

58 Swapnil

9 others



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : Three Days Hands-on-Workshop on “Data Science & Machine Learning using Python ” **in association with Vim Digitech Pune.**
- **Date of Activity** : 05th, 06th and 07th March 2020
- **No. of Participants** : 164 (S. Y. , T. E. & B.E. Students) & 2 (faculty)
- **Resource Person** : Mr. Yamin Hakim, Vim Digitech, Pune.
- **Course Code** : CSE1920502
- **Details of Activity:**

Mr. Yamin Hakim, Vim Digitech, Pune was resource person of the workshop. All registered students of SY, TE and BE class were present. Workshop was started with Lord Sarswati Poojan and Deep Prajwalan. Respected principal Dr. Vijay R. Ghorpade sir had delivered his thoughts on importance of authorized certifications for students to boost their skills and update their profile for placement. Mrs. S. M. Mulla - Head of CSE dept, introduced profile of the trainer and gave brief exposure to Machine Learning and its applications in the field of data science. Also she explored the contents of the workshop.

Mr. Yamin Hakim covered following points of Data Science and Machine Learning using Python during the workshop.

- Basics of Python and introduction to Jupyter notebook
- Numpy: (Numerical Python)
- Pandas: (Data Analysis)
- Matplotlib (Data Visualization)
- Machine Learning Introduction
- Machine Learning Algorithms for Linear, Multi-linear & Logistic Regression, Classification, Clustering etc.

All faculty members of the department were also present for the inaugural function which is conducted in Central Computing Facility. Workshop was organized on Thursday, Friday, and Saturday of the week. Total 164 students and 2 faculty members participated in workshop.

- **Outcome of Activity:**

Students and faculty members were participated in interactive sessions of 3 days hands-on-workshop on “Data Science & Machine Learning using Python” which covered the topics like exposure to basics of Python programming language, use of numpy, pandas & matplotlib, Hands-on for the different machine Learning Algorithms using Python. Trainer has delivered good contents with actual hands-on python programming which helped students to grasp the terms easily and taken short assignments to identify 5 best performers within 3 days of workshop.

We distributed the prizes with certificates to 5 students performed excellent in assignments given by the trainer.

Sr. No.	Name of the Students	Class
1	Mr. Chinnapa Biradar	B. E.
2	Mr. Ajinkya Patankar	T.E.
3	Ms. Shruti Shinde	T.E.
4	Ms. Pratikha Mane	S. Y.
5	Ms. Samriddhi Padwal	S. Y.

- **How it Bridges gap between Industry and Academia:**

Vim Digitech is a top digital marketing, e-commerce (CRM / ERP) & statistical computing app development company located in Pune. Being a knowledge platform, they believe in sharing their domain expertise through our workshop programs. The purpose of this workshop was to serve as an introduction to machine learning with Python. It explored clustering, classification, and regression algorithms and how they can help us to perform a variety of machine learning tasks. We have learned to generate predictions and perform segmentation on real-world data sets. In particular, we will structure our machine learning models as though we were producing a data product, an actionable model that can be used in larger programs.

Photos:

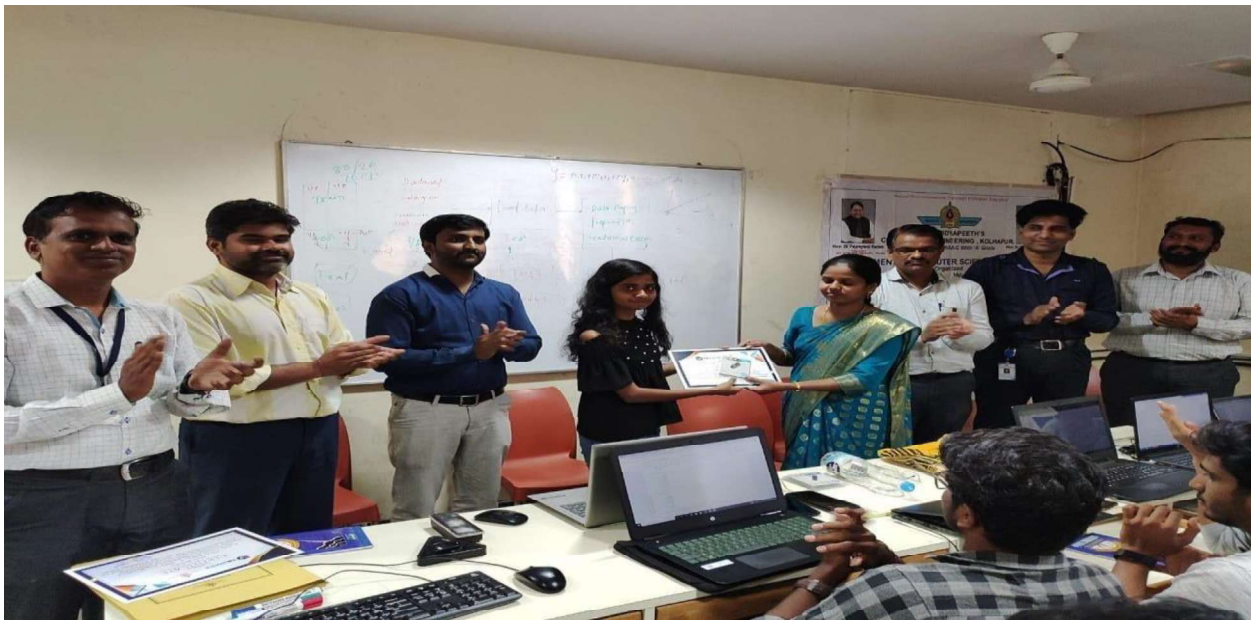
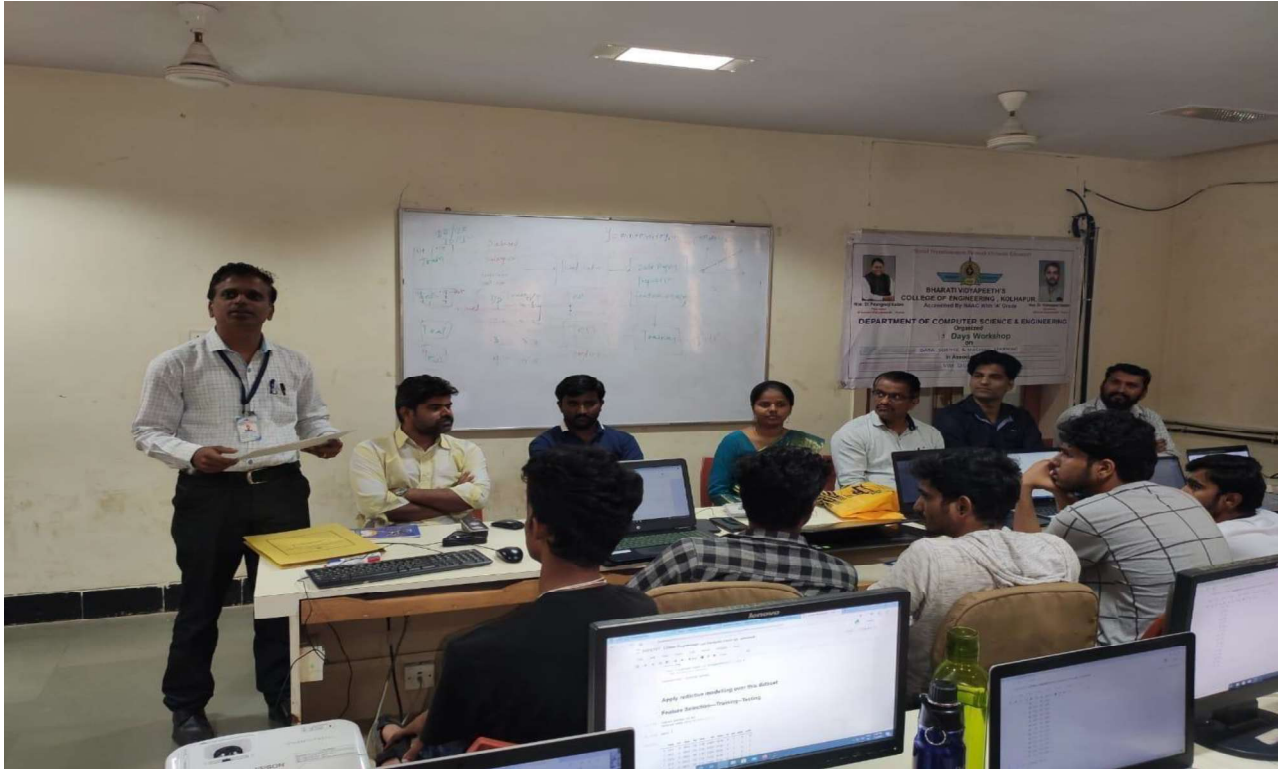


Inaugural Function of Three Days Hands-on-Workshop on “Data Science & Machine Learning using Python”





Workshop Sessions



HOD-CSE
Mrs. S. M. Mulla

PRINCIPAL
Dr. V. R. Ghorpade



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engineering.
- **Name of Add-on Course:** Add-on Course “Raspberry Pi”
- **Course Code :** ETC192001
- **Name of Coordinator:** 1. Mr. S.S.Pawar
2. Mr. M.S.Sonawane
- **Name of Resource Person:** 1. Mr. S.S.Pawar
2. Mr. M.S.Sonawane
- **Date of Activity:** 03/08/2019 to 12/10/2019.
- **Participant:** E&TC and CSE Students (80 Students)
- **Details of Activity:**

Raspberry Pi is a series of small single-board computers developed in the United Kingdom by the Raspberry Pi Foundation in association with Broadcom. The Raspberry Pi project originally leaned towards the promotion of teaching basic computer science in schools and in developing countries. It is widely used in many areas, such as for weather monitoring, because of its low cost, modularity, and open design. A good knowledge of Raspberry Pi will help improve the employment potential of your students.

- **Outcome of Activity:** To create awareness about Raspberry pi and use of Raspberry Pi for various applications to electronics engineering student.
- **How it Bridges gap between Industry and Academia:** Raspberry Pi provides a powerful open source Hardware and software for engineering and scientific applications. Knowledge of Raspberry Pi creates industry ready student using open-source software and hardware.

• **Photo:**



Mr. S.S.Pawar/ Mr. M.S.Sonawane
Course In-charge

Dr. K. R. Desai
HOD

Dr. V. R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING,

KOLHAPUR

- **Organizing Department:** Mechanical Engineering
- **Name of Activity :** Research Awareness
- **Name of Coordinator:** Mr.S.B.Kamble
- **Name of Resource Person:** Dr.S.J.Kadam, Dr. P. B. Patole, Dr. S. S. Pawar, Mr. Dhruv Brahmbhatt and Ms. Pooja Menon
- **Date of Activity:** 21st JAN 2020 to 25th JAN 2020
- **Participant:** All Mechanical Students (159)
- **Details of Activity:**
 - A offline session, “**Research Awareness**” (Introduction of journal/conferences, Technical writing of journal papers, Intellectual Property Rights, Research proposal and funding etc.) was organized by Mechanical Engineering Department, in the benefit of final year students. The session speaker for the activity was Mr. Dhruv Brahmbhatt and Ms. Pooja Menon, MYCrave Consultancy and Services, Vadodara, Gujarat, Dr. P. B. Patole, Dr. S. S. Pawar

The outcome of Activity: Students are able to understand the basic steps which are required regarding IPR, Research Proposal and Funding, Journal Research Papers Etc.

Photo



Coordinator

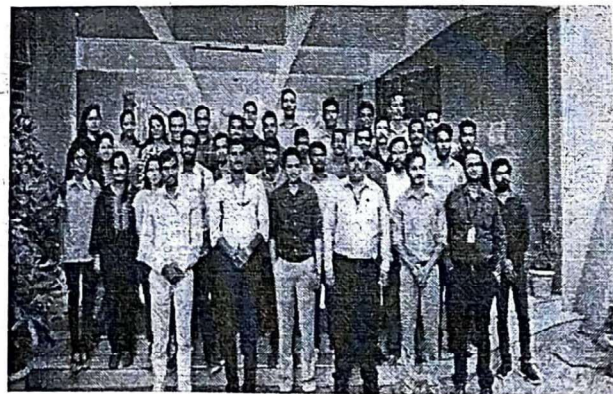
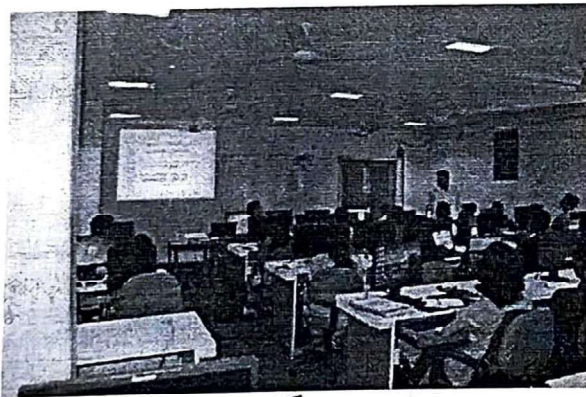
**Dr.S.J. Kadam
HOD**


**Dr. V.R.Ghorpade
PRINCIPAL**




BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Faculty Development Program of duration Four Days On "Geospatial Technology Applications in Watershed Management using QGIS"
Under Lead College Activity
- **Name of Coordinator:** Prof.V.V.Mane and Prof. V. S.Tiware
- **Name of Resource Person :** Dr.S.S.Panhalkar, Prof. and Head , Department of Geography, Shivaji University, Kolhapur and his colleagues
- **Date of Activity :** 21st to 24th January, 2019
- **Participants:** Faculty, P.G. and U.G. students from various colleges and universities.
- **Details of Activity:** A four days FDP was organized between 21st January 2019 to 24th January, 2019 on subject "Geospatial Technology Applications in Watershed Management using QGIS" by Department of Civil Engineering. Dr.S.S.Panhalkar, Prof. and Head , Department of Geography, Shivaji University, Kolhapur and his colleagues conducted hands on training on QGIS and ERDAS software. In this, student learned to prepare watershed development plan using softwares.
- **Expected outcome of Activity:**
 1. Two batches of students from final year Civil Engineering will use these softwares in their projects.
 2. Students can prepare technical papers based on use of above softwares
- **Photos:**




Prof. V.V.Mane / Prof. V. S.Tiware
Coordinators

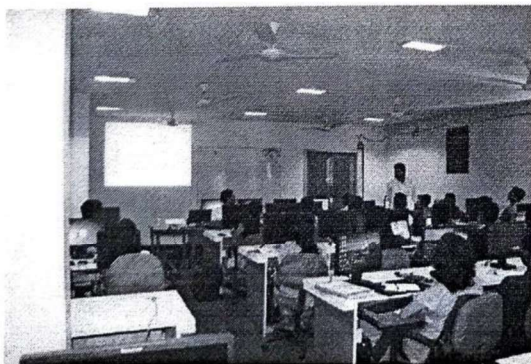

Prof. V.S.Kadam
H.O.D.



Dr. V.R.Ghorpade
Principal




BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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Prof. V.V.Mane / Prof. V. S.Tiware
Coordinators


Prof. V.S.Kadam
H.O.D.


Dr. V.R.Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : Two Days Workshop and National Level Students Competition on “Android Application Development” and 3 days practice session on Android Projects.
- **Names of Coordinators** : Mrs. S. M. Mulla & Mr. V. U. Patil
- **Names of Resource Persons** : Mr. Aatul Palandurkar
- **Date of Activity** : 14th and 15th Feb. 2019 (30 Hrs.)
- **No of Participants** : S. E. , T. E. & B.E. Students(155)
- **Course Code** :CSE5181902

- **Details of Activity:**

Two days national level workshop cum student's competition on topic “Android Application Development” is conducted on 14th and 15th Feb. 2019. It is organized **in collaboration with ED Cell of IIT Kharagpur and MakeIntern.**

Mr. Aatul, Corporate Trainer, MakeIntern, Mohipuri Technologies Pvt. Ltd., New Delhi was resource person of the workshop. All registered students of SE, TE and BE class were present. Workshop was started with Lord Sarswati Poojan and Deep Prajwalan. Respected principal Dr. V. R. Ghorpade sir addressed all students about importance of value added courses for students to boost their career. Mrs. S. M. Mulla - Head of CSE dept., introduced profile of the trainer and shared valuable information about android OS and its background. Also she explored the contents of the workshop which is focused on overall android application development. All faculty members of the department were also present for the inaugural function which is conducted in Central Computing Facility. Workshop was organized on Thursday and Friday of the week. Total 155 students participated in workshop.

- **Outcome of Activity:**

Students and faculty members were participated in 2 days workshop cum championship on Android Application Development which covered the topics like overview of android, architecture, UI design, event handling, menus, database programming in android- SQLite, deploying and publishing an android application and providing hands on actual real time apps etc. After completing the workshop

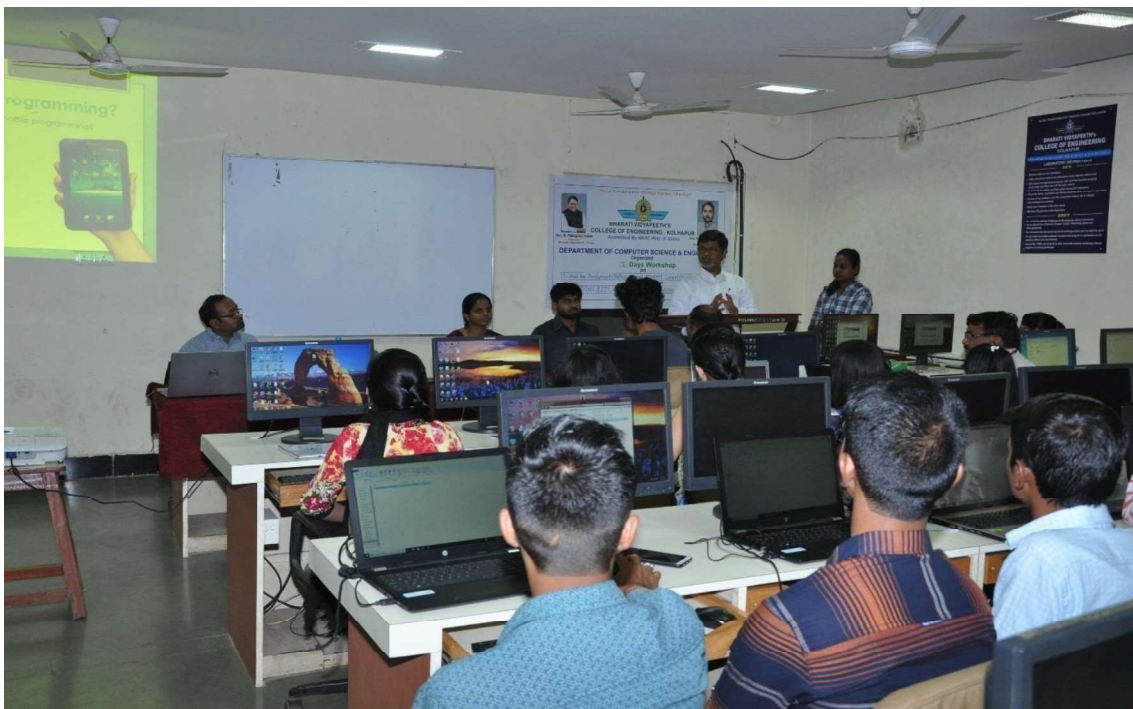
successfully, exam was conducted for selection of students for grand finale round of competition. Following students were selected and called as merit participants for competition.

Rank	Names of the students
1	Mr. Suraj Shinde
2	Mr. Abhishek Kumar
3	Mr. Kishor Janwade
4	Mr. Vinaykumar Khade
5	Mr. Farhankhan F. Soudagar
6	Ms. Manchali A. Nikam

Grand Finale will held at IIT Campus which will bring students from all over the country together to participate in the celebration of knowledge and creative extravagance along with experts from the fields of academic as well as industry.

- **Photos:**





Inaugural Function of 2 day's Workshop cum Competition on "Android Application Development"



Certificates distribution to merit students and Total Team at the end of workshop

**HOD-CSE
Mrs. S. M. Mulla**

**PRINCIPAL
Dr. V. R. Ghorpade**



Makeintern & ECell



(Workshop Partner ECell IIT Kharagpur Event \ Internship Provider Across India)

+91-9211922243 (Vibha)

9212615394 (Sonu)

01149095855



ANDROID

About the Android:

Android is a mobile operating system developed by Google, based on a modified version of the Linux kernel and other open source software and designed primarily for touchscreen mobile devices such as smartphones and tablets. In addition, Google has further developed Android TV for televisions, Android Auto for cars, and Android Wear for wrist watches, each with a specialized user interface. Variants of Android are also used on game consoles, digital cameras, PCs and other electronics.

Objective of the program:

1. To prepare students for the Corporate Jobs
2. To help students improve their technical skills
3. To build students self-confidence and self-esteem
4. To bring positive changes student's attitude and behavior
5. To impart personality development and career specific practical inputs..

Who/Why should register for the program:

All the students are welcome to participation.

As it is the festival of oldest IIT in the country which is established in India and the most prestigious institute of Technology so the students who will be participating in the event they will get a platform to represent themselves in front of best minds.

Content:

The program will be for two days and there will be 4 phase.

Day 1 (Session 1):

Overview

- a. Why go MAD (Mobile Application Development)?
- b. Why Android and not iPhone or other OS?

Mohipuri Technologies (P) Ltd.

411 Rajendera Arihant Tower, B1 Community Centre, Janakpuri East, New Delhi

110058 Tel: 011-49095855



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engineering
- **Name of Activity:** Add-on Course “PLC and SCADA programming”
- **Course Code:** ETC 181901
- **Name of Coordinator:** 1. Ms. A. H. Tirmare
2. Ms. P. S. Mali

- **Name of Resource Person:** Mr. Aakash Dongale, Proautomater Kolhapur
- **Date of Activity:** 27th Feb to 4th Mar 2019
- **Participant:** Third Year & Final Year E&TC Students (106)

- **Details of Activity:**

PLCs are used in industrial automation to increase reliability, system stability, and performance, minimizing the need for human operators and the chances of human error. Six days Workshop on “PLC and SCADA Programming” was organized by the Department of Electronics and Telecommunication Engineering for third-year students. A total of 106 students participated in this workshop. Presentation and hands-on sessions are conducted on PLC programming and SCADA.

- **Outcome of Activity:**


- Students are able to work in a teams.
- Students are able to apply the PLC programming knowledge acquired during their course of studies.
- Students are able to identify, formulate and solve the real-world problem in Industrial Automation.


- **How it Bridges gap between Industry and Academia:** This workshop helped students to know what are the current trends in industry students are able to understand the practical application of PLC.

• Photo:




Mr. A. H. Tirmare / Ms. P. S. Mali
Coordinator


Dr. K. R. Desai
HOD


Dr. V. R. Ghorpade
Principal




BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR


- **Organizing Department:** Department of Mechanical Engineering
- **Name of Activity :** Five days workshop on " Training on machine tools"
- **Name of Coordinator:** Asst. Prof. Raju B. Lokapure
- **Name of Resource Person :** Mr. A.T.Bhosale
- **Date of Activity** : 06th Aug. 2018 to 10th Aug 2018
- **Participant:** Third Year mechanical Students . (110)
- **Details of Activity:** For the better work experience. Department of Mechanical organized five days workshop for third year students. This training on machine tools i.e. CNC Machine, Milling machine and surface grinding machine cover the training on the area which is not included in regular curriculum i.e. Gear cutting on milling machine, work on surface grinder.


Outcome of workshop:- This workshop useful for third year students to understood the use of different machine tools.

- **Photo:**




Asst. Prof. R.B.Lokapure
Event Coordinator


Prof.S.J.Kadam
HOD Mech.


Dr.V.R.Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Workshop on on "PLC Programming"
- **Course Code:** ME181902
- **Name of Coordinator:** Mr.J G Shinde
- **Name of Resource Person:** - Mr.Dinesh Dhumal,Mr.Akash Dongale
- **Date of Activity:** 05/03/2019 to 14/03/2019.
- **Participants:** Final Year Mechanical Students.
- **Details of Activity:**
 - Introduction to PLC
 - PLC Advantages over Microcontrollers
 - Basics of Ladder Diagram & Area of Applications
 - Introduction To RSLogix Downloading a Ladder Program in PLC.
 - ,How To Take Input From Panel, How To Give Output
 - Hands on PLC training Kit.

- **Outcome of Activity:**

Students, Faculty get information about **PLC** in Mechanical Engineering.

- **Photos:**



Mr. S. J. Kadam

HOD

Dr. V. R. Ghorpade

Principal



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** General Engineering Department
- **Name of Activity:** Add-on course on “Essentials of Communication Skills” (FY181901).
- **Name of Coordinator:** Mrs. S.S. Shinde
- **Name of Resource Person:** - Mr. Kedar Joshi
- **Date of Activity:** 21/01/2019 to 26/01/202019
- **Participants:** F.Y. Students and Faculty
- **Details of Activity:** **Communication: An Introduction**
Non-Verbal Communication
Listening Skills
Presentation Skills
Technical Writing
Introduction to Soft Skills
- **Outcome of Activity:**
Engineering Students get information about “Essentials of Communication Skills”.

- **Photos:**



Dr. R. K. Chougale

First Year Coordinator

Dr. V. R. Ghorpade

Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : **Computer Science & Engineering**
- **Name of Activity** : Three Days Workshop and Microsoft Certification on “Network Security” and 2 days practice sessions.
- **Names of Coordinators** : Mrs. S. M. Mulla & Mr. V. U. Patil
- **Names of Resource Persons** : Mr. Parth Shukla and Mr. Nishant Singh, Corecode IT Solutions Pvt Ltd, Gurgaon
- **Date of Activity** : 23rd to 25th Feb. 2018 (30 Hrs.)
- **No of Participants** : S. E., T. E. & B.E. Students -160
- **Course Code** : CSE5171802

- **Details of Activity:**

Three days workshop and Microsoft Certification on “Network Security” organized in collaboration with Corecode IT Solutions Pvt. Ltd., New Delhi from 23rd to 25th Feb. 2018. Mr. Parth Shukla and Mr. Nishant Singh, Corecode IT Solutions Pvt. Ltd., Gurgaon were resource persons of the training. All registered students of SE, TE and BE class were present. Training started with Lord Sarswati Poojan and Deep Prajwalan. Respected principal Dr. V. R. Ghorpade sir addressed all students about importance of value added courses which are organized in college for the benefit of their career. He also shared valuable information about Network Security. Mrs. S. M. Mulla madam - Head of CSE dept., delivered speech in front of students with introduction of chief guests and also she explored the contents of the workshop which is focused on Ethical Hacking and Network Security. All faculty members of the department were also present for the inaugural function which is conducted in auditorium. Mr. Nishant Singh discussed with students the upcoming opportunities in ethical hacking. Workshop was organized on Friday, Saturday, and Sunday of the week without hampering academics of the students. Total 160 students of CSE department were participated in the workshop.

- **Outcome of Activity:**

Students and faculty members were attended the training for three days which elaborates the topics like hacking psychology, operating system and hacking security, malwares, web server attacks, software reverse engineering very deeply. After completing the training successfully, Microsoft Certification exam was conducted for registered candidates on 5th April 2018. These Certifications are very essential for final year students to upgrade their

profile as well as technical skills. Students and trainers had healthy discussion to improve the overall practical knowledge of network security. They also had given valuable feedbacks to improve overall quality of workshop.

- **Photos:**



Inaugural Function of 3 days' Workshop and Microsoft Certification on Network Security



Microsoft Certification on Network Security

HOD-CSE
Mrs. S. M. Mulla

PRINCIPAL
Dr. Vijay R. Ghorpade

PROGRAM NAME: ETHICAL HACKING & NETWORK SECURITY

ABOUT THE TECHNOLOGY: Network security consists of the provisions and policies adopted by a network administrator to prevent and monitor unauthorized access, misuse, modification, or denial of a computer network and network-accessible resources. Network security involves the authorization of access to data in a network, which is controlled by the network administrator. Whereas Hacking is not about the illegal things, it's all about how to secure your system.

JOB MARKET: The job market for certified ethical hackers is quickly growing. The future job outlook for certified ethical hackers could be identified as "good," at worst. Many argue that this is the hottest and upcoming occupation of all IT career paths. That is because more transactions and processes are moving towards digital frameworks and away from older analog ways of life. That means more companies will be investing in securing their networks and identifying vulnerabilities.

CURRICULUM:

❖ HACKING PSYCHOLOGY:

- 1) Concept of Ethical Hacking: Legal or illegal?? Categories of Hackers (As per Knowledge)
- 2) Categories of Hackers (As per Working)
- 3) How to secure yourself from attackers?
- 4) How to stop attackers?
- 5) Indian Cyber Law

❖ E-Mails: Exploitation And Security:

- 1) What is an E-Mail?
- 2) Working of E-Mail?
- 3) Travelling of an E-Mail?
- 4) E-Mail servers
- 5) E-Mail Forgery and Spamming
- 6) Security to Anonymous Mailing
- 7) Attacks on E-Mail password
- 8) Securing the E-Mail passwords
- 9) E-Mail Forensics

❖ OPERATING SYSTEM & HACKING SECURITY:

- 1) Introduction to system software's
- 2) Windows Security Components and working
- 3) Introduction to Virtual Machines
- 4) Implementation of Virtualization
- 5) Windows
- 6) Linux
- 7) Attacks on Windows login password
- 8) Other Security Measures
- 9) Windows inbuilt Flaws & Security Loopholes
- 10) Invading Computer System
- 11) Optimizing Windows computer system
- 12) Restrict Hackers into Box

❖ MALWARES: Trojan Viruses & Worms:

- 1) What are Malwares?
- 2) Trojan
- 3) Trojan attacks Methods
- 4) Some well known Trojans
- 5) Detection of Trojan
- 6) Viruses
- 7) Working and functionality of viruses
- 8) Development
- 9) Development of Folder Lockers
- 10) Registry Tweaks & Tricks
- 11) Developing professional security too
- 12) Detection and Manual removal

❖ ATTACKS RELATED TO NETWORK & SECURITY

(LAN/WLAN):

- 1) Introduction to LAN (Local Area Networks)
- 2) Back-Track: Penetration Tool
- 3) Security Network Configuration

❖ WEB SERVER ATTACKS & SECURITY:

- 1) Introduction to Web Application security
- 2) Understanding Attack Vectors
- 3) Web Application attack
- 4) SQL injection
- 5) Google Dorks: Using Google as Expert
- 6) Cross Site Scripting: XSS
- 7) Directory Traversal Attacks
- 8) Putting Breaks on Web Application attacks
- 9) Mozilla Firefox as a Hacking tool
- 10) Bypassing Proxy-Intermediate
- 11) Using Google as Proxy
- 12) Remote file inclusion for block websites
- 13) Creating your own Proxy server



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering.
- **Name of Activity :** Hands on Training on Auto-CAD
- **Name of Coordinator:** Mr. V.B Patil
- **Name of Resource Person :** Mr. Vikramsinh Tiware
- **Date of Activity:** 08th JAN 2018 to 12th JAN 2018
- **Participant :** Second year & Third Year Civil Students(109)
- **Details of Activity:**

AUTO-CAD is used to refer **CAD** which is any type of computer aided design/drafting. Basically **AUTO-CAD** is the name of the software which is developed by the company named **Autodesk**. AutoCAD is used by Architecture, Engineer, and Construction to generate and optimize 2D and 3D designs. AutoCAD is a widely used software program that can help the students to draft construction documentation, explore design ideas, visualize concepts through photorealistic renderings, and simulate how a design performs in the real world. A good knowledge of **AUTO-CAD** will help the students to improve the ideas of designing and planning which will help them in future.

- **Outcome of Activity:** To create awareness of **AUTO-CAD** software among the students. AutoCAD is a versatile tool and students make it one of one of the most valuable tool for learning and implementation purpose.

- **Photo:**





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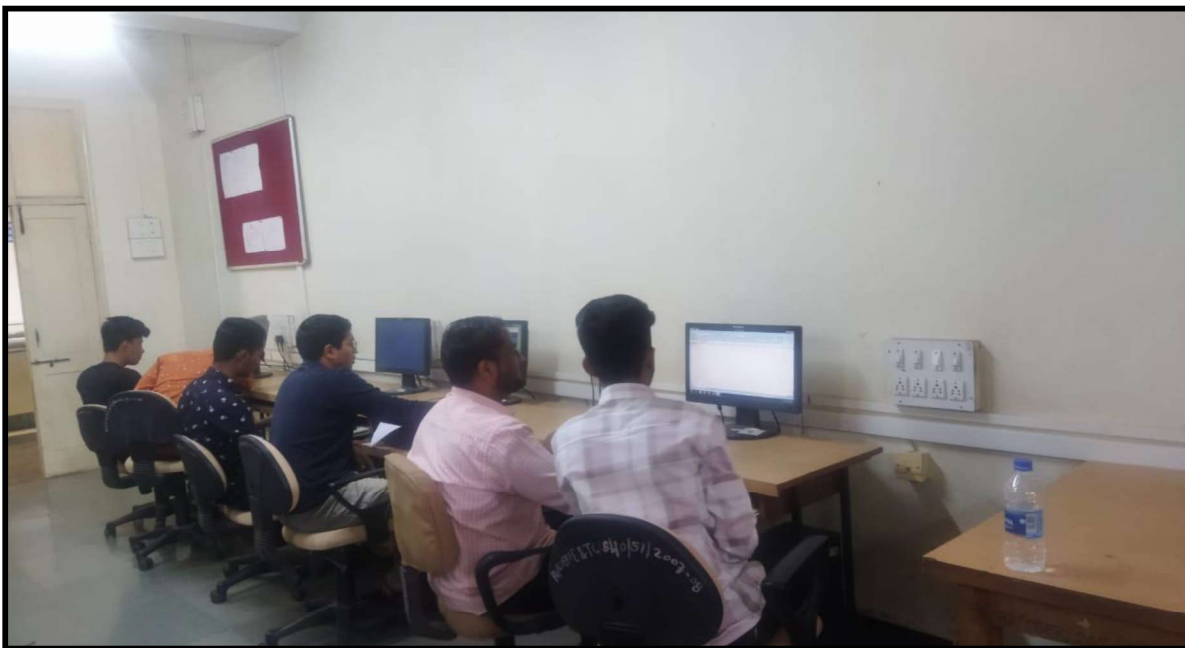
- **Organizing Department:** Electronics & Telecommunication Engg.
- **Name of Activity :** Add-on Course “Network Simulation Using NS2”
- **Course Code :** ETC171801
- **Name of Coordinator:** 1. Mr. R. R. Suryawanshi
2. Mr. V. D. Patil
- **Name of Resource Person:** 1. Mr. R. R. Suryawanshi
2. Mr. V. D. Patil
- **Date of Activity:** 06/08/2017 to 15/10/2017.
- **Participant:** Final Year E&TC Students (110)
- **Details of Activity:**

Network Simulator (Version 2), widely known as NS2, is simply an event driven simulation tool that has proved useful in studying the dynamic nature of communication networks. Simulation of wired as well as wireless network functions and protocols (e.g., routing algorithms, TCP, UDP) can be done using NS2. In general, NS2 provides users with a way of specifying such network protocols and simulating their corresponding behaviors. Due to its extensibility and modular nature, NS2 has gained constant popularity in the networking research.

The performance analysis and evaluation of different wired & wireless networks can be done using NS2 with the help of performance metrics like throughput, packet delivery ratio, control overhead, send packets, received packets, end to end delay etc.

- **Outcome of Activity:** This Add-on Course will help students to understand the basic concepts & challenges in field of networking. Also students are able to simulate and analyse the performance of wired and wireless network in NS2.

- **How it Bridges gap between Industry and Academia:** This Course can be helpful to students in order to make them aware about the latest technologies used in Industry and current advancement in the field of networking.
- **Photo:**



Mr. R.R.Suryawanshi/ Mr.V.D.Patil
Course In-charge

Dr. K. R. Desai
HOD

Dr. V. R. Ghorpade
Principal



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- **Organizing Department:** Department of Mechanical Engineering
- **Name of Activity:** Project Based Learning
- **Name of Coordinator:** Asst. Prof. Arjun P.Kadam
- **Name of Resource Person:** Prof. Sunil J. Kadam, Prof. Pralhad B. Patole,
- **Date of Activity** : 08th JAN 2018 to 12th JAN 2018
- **Participant:** Third Year & B.E.S mechanical Students(175)
- **Details of Activity:** For attainment of program outcome, final year project (Dissertation) plays vital role. By considering this thing Department of Mechanical Engineering organized five days' workshop on project based learning. Prof. P.B. Patole conducted three days' workshop on
 - 1) How to find out problem for project work
 - 2) How to search literature.
 - 3) How to read search papers
 - 4) How to write synopsis

For remaining two days Prof. Sunil Kadam given two problems on dissertation work and practically students searched papers, find out problems and written synopsis.
- **Outcome of workshop:** - This workshop useful for third year students to select their dissertation topic in last year and benefitted to prepare their dissertation synopsis
- **Photo:**



Asst. Prof. A.P.Kadam

Event Coordinator

Prof.S.J.Kadam

HOD Mech.

Dr.V.R.Ghorpade

Principal