BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

Value Added Programs 2019-20

Sr. No.	Activities	Department	Number of Beneficiary/ Participants	Date
1	**Guidance on 'Project Topic Selection'**	Computer Science and Engineering	Final Year Students (38)	13/7/2019
2	**Three Days Hands-on-Workshop on** 'Python Programming- The Practical Approach" in association with Geeks LAB and AIESEC, IIT-Delhi '		S. E., T.E, B.E. students and faculty (31)	26/7/2019 TO 28/7/2019
3	**One Day Workshop on 'Computer** Network'		Students (54)	23/08/2019
4	**Event "Code Race"** under Techno Bharati 2020		Students (266)	3/3/ 2020
5	**3 days Hands-on Workshop on** 'Data Science & Machine Learning'		Third and final year students(62)	5/3/2020 TO 7/3/ 2020
6	**One Day Workshop on** 'Computer Network'	Electronics and Telecommunication Engineering	Students (53)	23/08/2019
7	**Group Discussion Techniques** and Preparation		Final year students (30)	3/9/2019
8	**Industrial Visit '**Institute of Satellite Telecom Pvt. Ltd., Pune'		Final year Students (50)	21/9/2019
9	**Seminar on '**Model Rocket Designing, Development and launch'		Final year students (50)	29/1/2020
10	**Seminar on** 'Carrier Guidance in GATE/IES and PSUs Examination'		Third and final year students(80)	6/2/2020

11	**Expert lecture on** 'Industrial Automation'		Second and Final Year Students (54)	7/3/2020
12	**Workshop on 'Self Defense for Girls'**		Girl Students (40)	6/3/2020
13	**Technical event 'TechnoSpark2K20'**		Degree and diploma students (170)	3/3/2020
14	**Workshop on 'Python Programming'**		Third year students (30)	14/3/2020 to 5/3/2020
15	Women's day celebration		Girls students (150)	12/3/2020
16	**Webinar on 'Machine Learning with Python Programming'**		Third year students (59)	27/5/2020
17	**Webinar on 'Trends in Metal Casting'**	Mechanical Engineering	Students (416)	10/6/2020
18	Students Induction Program	General Engineering	First Year Students (70)	16/9/2019 TO 18/9/2019
19	Technobharati 2K20- Techno Science Expo		First Year Students (88)	3/3/2020

Dr. Jayamala K. Patil
IQAC Coordinator

Dr. Vijay R. Ghorpade
Principal, IQAC Chairperson

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : Guidance on Project Topic Selection
- **Date of Activity** : 13/07/2019
- **No. of Participants** : 38
- **Resource Person** : Mr. Prasad M. Potdar, Logisoft, Kolhapur.
- **Details of Activity** :

Guidance on Project Topic Selection for academic year 2019-20 was organized on 13/07/2019. The main agenda for the seminar was to let the students know about career opportunities and entrepreneurship in the field of computers by using software tools. A presentation was shared by Mr. Prasad M. Potdar with the audience regarding how to develop a project into the product. Followed by a question and answer session. In the session following points were covered:

- A brainstorming session to select a project topic.
- Choose a topic that will enable you understand and gather the requirements
- Ensure that the topic is manageable and that material is available
- Be focused and research more and more before starting actual work
- Start the coding/ Implementation after all the requirements are fulfilled
- Testing of the final product is important and how to use online tool for testing such as WebLoad.

- **Outcome of Activity** :
- Students got to know about the new trending topics in the field of computer.
- They learnt the software engineering techniques and tools such as Waterfall model of software development.
- 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 seminar was intended to give the students insight into latest trends and technological advances into the area of computer science. Also Final year project ideas were discussed to reflect those ideas into working software.

- **Photos:**

Guidance on Project Topic Selection

Mr. S. B. Patil   Mrs. S. M. Mulla   Dr. Vijay R. Ghorpade

Co-Ordinator   **HOD**   **Principal**

- **Organizing Department** : **Computer Science & Engineering**
- **Name of Activity** : Three Days Hands-on-Workshop on
  "Python Programming- the Practical Approach" **in**
  association with GeeksLAB and AIESEC, IIT-Delhi.
- **Date of Activity** : 26th, 27th and 28th July 2019
- **No. of Participants** : 31 (S. E. , T. E. & B.E. Students & faculty)
- **Resource Person** : Mr. Jay Mishra, GeeksLab Technologies Pvt. Ltd. Delhi
- **Details of Activity:**

Mr. Jay Mishra, GeeksLab Technologies Pvt. Ltd. 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. 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 use of python programming in data science. Also she explored the contents of the workshop.

Mr. Jay Mishra covered following points of Python Programming during workshop.

-Python Introduction

-Installing Python / Programming Basics

-Gain knowledge of Regular Expressions, looping functions and concepts of OOP

-Components and Functions

-Data Science for Python

-Mathematical and Scientific Computation with Python

-Machine Learning with Python

-Projects, Benefits, Future & Job Scope

All faculty members of the department were also present for the inaugural function which is conducted in Central Computing Facility. Workshop was organized on Friday, Saturday and Sunday of the week. Total 29 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 "Python Programming- the Practical Approach" which covered the topics like exposure to Python programming language, basics of GUI development, Hands-on for the different Python tools . Trainer has delivered good multimedia contents to help students to grasp the terms easily and taken group discussions to encourage innovation.

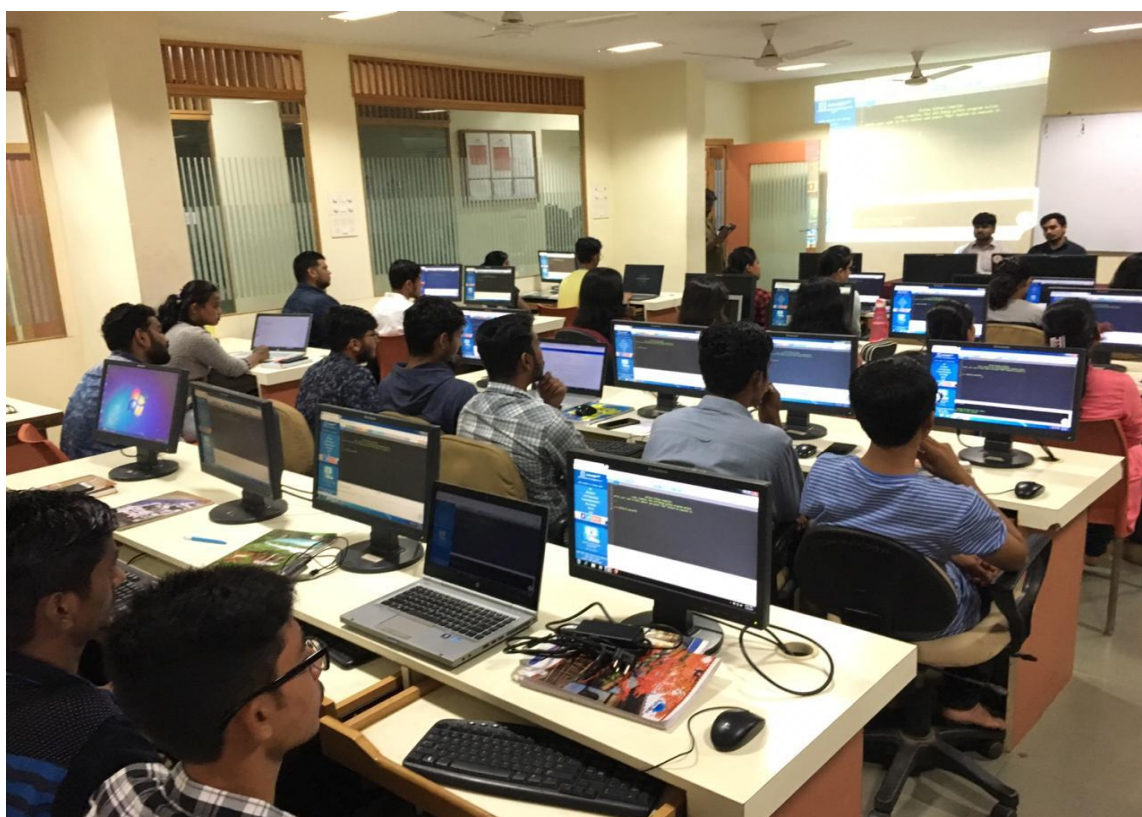- **How it Bridges gap between Industry and Academia:**

    Geekslab Technologies Pvt. Ltd. is an integrated solution provider. Being a knowledge platform, they believe in sharing their domain expertise through our workshop programmes. Python is general purpose high level programming language whose design philosophy emphasizes code readability; it works more quickly and integrate your systems more effectively. You can learn to use Python and see almost immediate gains in productivity and lower maintenance costs.

    Photos:

Inaugural Function of Three Days Hands-on-Workshop on "Python Programming- the Practical Approach"

HOD-CSE   **PRINCIPAL**
Mrs. S. M. Mulla   **Dr. V. R. Ghorpade**

- **Organizing Department** : **Computer Science & Engineering**
- **Name of Activity** : **Workshop on Computer Network**
- **Date of Activity** : 23/08/2019
- **No. of Participants** : 54
- **Resource Person** : Mr.Omar Memon, Director, BlueMap IT Solution
- **Details of Activity** :

      Workshop on Computer Network for academic year 2019-20 was conducted on 23/08/2019. Dr. V. R. Ghorpade - Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur, was Chair Person of the meeting. It started with Lord Saraswati Poojan and Deep Prajwalan. Respected Principal Dr. V. R. Ghorpade felicitated Mr.Omar Memon. Respected principal sir addressed all Students about the workshop. He also shared valuable information regarding career opportunities in Computer Network for CSE students.

      Trainer started the session with introduction to Computer Networking. Some more topics as 'Role Of Internet in our daily Lives', 'Evolution of corporate Networks' get covered in the same session.

      In Second session trainer gave the demo of operation of the Computer Network with devices like Switch, Router. The session further continue with the aspects of Network Engineering as a career and certification in this field.

      Last session was on personality Development that covered topics like Communication skills for corporate World , Mock Interview practice and the session ended with questions and answer.

- **Outcome of Activity** :
  - Students understood the basic knowledge of Computer Networking and also learned the working of Internet.
  - Students learned the working of Networking devices like Router, switch.
  - Students got the exposure of Career and Business Opportunities in the field of Computer Networking.

- Students learned the skills required at Interview and in corporate world so that they will easily face the interview.

- **How it Bridges gap between Industry and Academia:**
  - This workshop provided hands-on networking basics, taught by an experienced technical trainer. Students learned about network devices like hubs, switches, routers, firewalls, repeaters, gateways, and more. It will help students to apply Networking knowledge in various Computer Networking industry .

- **Photo:**

HOD-CSE   PRINCIPAL

Mrs. S. M. Mulla   Dr. Vijay R. Ghorpade

- **Organizing Department**   **: Computer Science & Engineering**
- **Name of Activity**   **: CODERACE 2020**
- **Names of Coordinator**   **: Mr. A M Patravale**
- **Date of Activity**   **: Tuesday 3rd Mar, 2020**
- **Participants**   : Students from nearby colleges
- **Details of Activity:**

a) C-Pro

CPRO has been organized under CODERACE 2020 on 3rd Mar, 2020. This event was co-ordinated by **Mr. V. U. Patil**. The event was based on C Programming. There were two rounds. First round contained 25 Multiple Choice Questions each carries 1 mark and total time given for the test was 30 Minutes. There were total 36 teams (65 Students) registered for first round from different colleges, out of which first 7 teams were shortlisted for second round.

In second round one problem statement given to all teams with time limit 60 minutes for implementation. The performance of teams was judged by Mrs. N. A. Bahirshet (External Judge) and Ms. S. M. Mulla (Internal Judge) and then three winners were declared.

b) Web Page Design

Web Page design has been organized under CODERACE 2020 on 3rd Mar, 2020. This event was co-ordinated by **Mr. N. S. Kadam**. The event was based on designing of the web page on the given theme. There was only one round. The problem statement was given to students and total time given was 60 Minutes. There were total 13 Students registered for event from different colleges.

The performance of the student was judged by Mr. P. A. Kharade and Mr. N. S. Kadam and then two winners were declared.

C) LAN Gaming

This event was co-ordinated by **Mr. P. A. Patel**. For this event total 140 students were participants. The three winners were declared at the end of the game.

d) Project Expo-

Project expo has been organized under CODERACE 2020 on 3rd Mar, 2020. This event was co-ordinated by **Mr. S. B. Patil**. There were total 12 groups (48 Students) registered for the event from different colleges.

The performance of teams was judged by Mrs. N. A. Bahirshet (External Judge) and Mr. S. B. Patil (Internal Judge) and then three winners were declared.

- **Outcome of Activity:**

a) **Winners of the C-Pro event –**

Name of the Student	Institute Name	Prize	Amount
Mr. Omkar Kakade	BVCOE, Kolhapur	First	Rs. 3000/-
Mr. Farhankhan Soudagar			
Miss. Pratiksha Mane	BVCOE, Kolhapur	Second	Rs. 1500/-
Mr. Rohan Bhosale			
Mr. Harshwardhan Kulkarni	DOT, Shivaji University, Kolhapur	Third	Rs. 500/-
Miss. Shrutika Kumbhar			

b) **Winners of the Web Page Design event –**

Name of the Student	Institute Name	Prize	Amount
Monali Sutar	BSIET, Kolhapur	First	Rs. 1,000/-
Suraj Shinde	BVCOE, Kolhapur	Second	Rs. 500/-

c) **Winners of the LAN Gaming event –**

Name of the Student	Institute Name	Prize	Amount
Praveen More	BVCOE, Kolhapur	First	Rs. 3000/-
Sajid Pathan	SGU, Atigre		
Sanket karande	SGU, Atigre		
Sourabh Patil	SETI, Panhala		
Kedar Mane	BVCOE, Kolhapur	Second	Rs. 500/-
Prasad Mane	BVCOE, Kolhapur		
Ketan Patil	BVCOE, Kolhapur		
Prajwal Mali	BVCOE, Kolhapur		
Abhishek Keluskar	BVCOE, Kolhapur	Third	Rs. 500/-
Chetan Jadhav	BVCOE, Kolhapur		
Harshavardhan Shinde	BVCOE, Kolhapur		
Gokul Nair	BVCOE, Kolhapur		

d) Winners of the Project Expo event –

Name of the Student	Institute Name	Project Name	Prize	Amount
Janwade Kishor Vishwanath	BVCOE, Kolhapur	Online Doormint	First	Rs. 3000/-
Bhosale Akshay Nana				
Yesugade Aparna Dilip				
Telvekar Jyoti Laxman				
Jagadale Rutuja Bharat	BVCOE, Kolhapur	IoT Based Safety Helmet	Second	Rs. 1500/-
Redekar Samruddhi Sunil				
Pawar Snehal Arun				
Madhuri Tanaji Shewale				
Payal Mehta	KIT, Kolhapur	Let's Vote	Third	Rs. 500/-
Pari Deshpande				
Shraddha Ingale				
Lavanya Madgundi				

- **How it bridges the gap between industry and academia:**

  These events taken to get hands on experience on programming languages, which are used in the industry.

- **Photos:**

Inauguration ceremony of the CodeRace 2020

The students appearing for the Test of CPRO Event (Round I)

The students for Round II
of CPRO Event

The students for Web Design Event

The students playing game during LAN Gaming Event

Prize distribution ceremony of CodeRace 2020

Organizing Committee of Students and Faculty for CodeRace 2020

Mrs. S. M. Mulla　　　　　　　　　　　　　**Dr. Vijay Ghorpade**
HOD CSE　　　　　　　　　　　　　　　　　**PRINCIPAL**

- **Organizing Department** : **Computer Science & Engineering**
- **Name of Activity** : ThreeDays Hands-on-Workshop on "Data Science & Machine Learning using Python " **in association with**

Vim Digitech Pune.

- **Date of Activity** :05th, 06th and 07thMarch 2020
- **No. of Participants** : 62 (S. Y. , T. E. & B.E. Students) &2 (faculty)
- **Resource Person** :Mr. Yamin Hakim, Vim Digitech, Pune.
- **Details of Activity:**

  Mr. Yamin Hakim, Vim Digitech, Pune was resource person of theworkshop. All registered students of SY, TE and BE class were present. Workshop was started with Lord SarswatiPoojan 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., introducedprofile of the trainerand 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 coveredfollowing 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)

  -Matlabplotlib(Data Visualization)

  -Machine Learning Introduction

  -Machine Learning Algorithms for Linear, Multi-linear &LogisticRegression, 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 62 students and 2 faculty members participated in workshop.

- **Outcome of Activity:**

Students and faculty members were participatedin interactive sessions of 3 dayshands-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 Algorithmsusing 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 identify5 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. ChinnapaBiradar	B. E.
2	Mr. AjinkyaPatankar	T.E.
3	Ms. ShrustiShinde	T.E.
4	Ms. Pratikha Mane	S. Y.
5	Ms. SamriddhiPadwal	S. Y.

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

Vim Digitechis a top digital marketing, e-commerce (CRM / ERP) & statistical computing app developmentcompany located in Pune. Being a knowledge platform, they believe in sharing their domain expertise through our workshop programs. The purpose of this workshopwas 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.
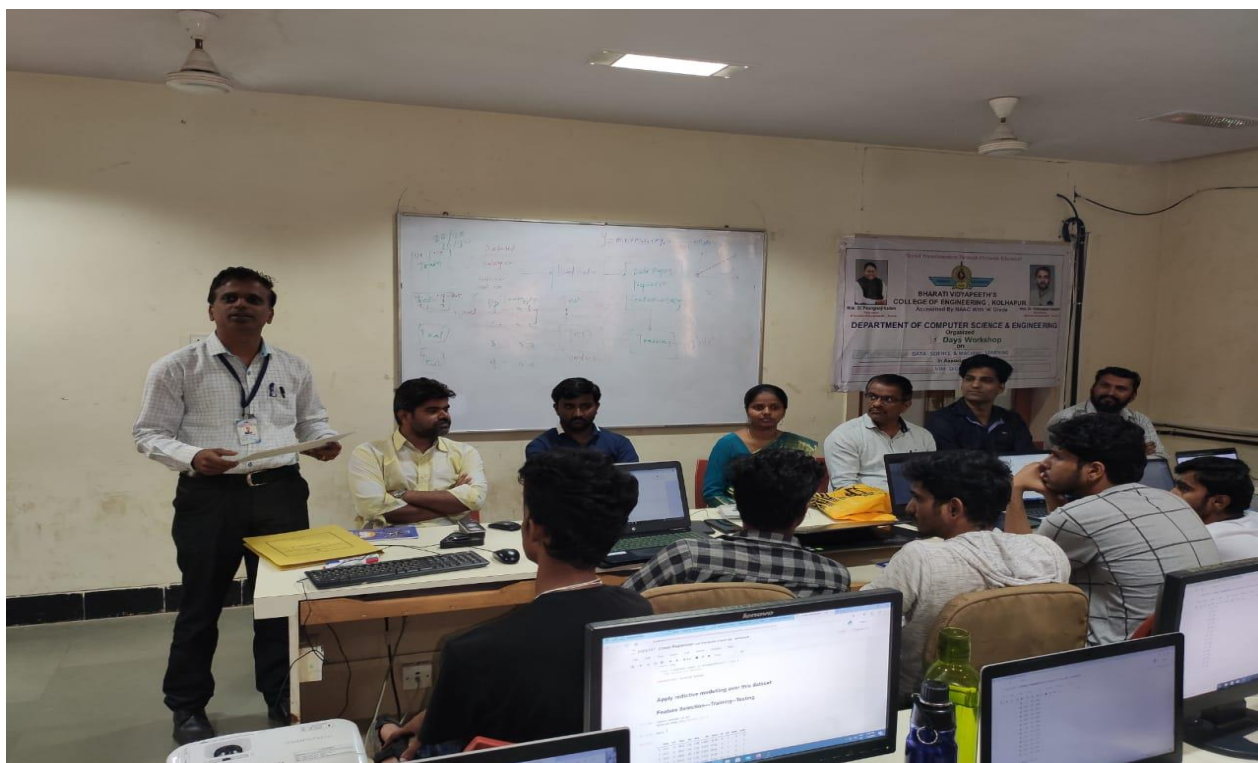
Photos:

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

Workshop Sessions

Prize Distribution Ceremony

HOD-CSE   PRINCIPAL
Mrs. S. M. Mulla   Dr. V. R. Ghorpade

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : **One Day Workshop on "*Computer Network*"**
- **Date of Activity** : 23rd August 2019
- **No. of Participants** : **53**
- **Resource Person** : Mr. Omar Momin(Blue Map IT solutions, Pune)
- **Details of Activity** :   One Day Workshop on "Computer Network" was organized by Department of Electronics and Telecommunication Engineering for BE Students. The main objective of this workshop was to introduce basic concepts of networking, understand difference between enterprise & service provider networks and to give demo of switch & router. Presentation and Mock Interview sessions are conducted during workshop.

- **Outcome of Activity** :
  - ➢ Students are able to understand basic concepts of computer network.
  - ➢ Students are able to apply the computer network knowledge acquired during their course of studies.
  - ➢ Students are able to identify, formulate and solve the real world problem in field of networking.

- **How it Bridges gap between Industry and Academia:**
  Students got an idea of practical configuration of networking devices like switch & router during demo and also they got to know job opportunities in field of networking.

- **Photo:**

Mr.R.R.Suryawanshi	Dr.K.R.Desai	Dr. Vijay R. Ghorpade
Co-Ordinator	**HOD**	**Principal**

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:-** Group Discussion Techniques and Preparation
- **Name of Co-ordinator:- Mr. S. B. Jadhav**
- **Date of Activity:- 3rd September 2019**
- **Details of Activity:-** Group Discussion is very important when companies use GD round for short listing of students to further rounds based on their communication skills and confidence levels. Students have to practice this skill in order to get hired in reputed companies. Hence to full-fledge this industry need we have arranged GD practice and Preparation program for our Final year E&TC student.
- **Impact of Activity:-** Awareness Created among student regarding Group Discussion.

- **Photos:-Group Discussion**

Mr.S.B.Jadhav	Dr.K.R.Desai	Dr. Vijay R. Ghorpade
Co-Ordinator	**HOD**	**Principal**

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:-** Industrial Visit to Institute of satellite Telecom Pvt.Ltd
- **Name of Co-ordinator:- Dr. K.R. Desai**
- **Date of Activity:- 21st September 2019**

- **Details of Activity: -** Industrial Training Programme was organised to ISTC Pvt. Ltd, Pune on 30thSeptember 2019 by Department of Electronics and Telecommunication Engineering of Bharati Vidyapeeth's College of Engineering, Kolhapur. Dr. K. R. Desai has organise thisIndustrialTrainingProgrammeforthestudentsof BEE&TC.Dr.K.R.DesaiandMrs.P.S. Mali co-ordinated this 1 day training programme at ISTC centre. 50 students from BE E&TC participated in thisprogramme. ISTC is an institution in the field of satellite communications, is founded and established in 2000 by Mr. Krish K. Mehkarkar. Under his direction, ISTC has a versatile and experienced team of technical specialists providing system integration expertise in the development and implementation of satellite earth station and terrestrial head ends.

ISTC has its own state of the art facility for the production of its SATCOM products. With respect to our number of hours put under Research & development and also our experience and technical expertise in SATCOM inspires us to design, implement and produce a quality product for client. All products come with a 2 year comprehensive warranty. Their mission is to provide the best quality solution to our customer at an reasonable price, great quality and an extra ordinary after sales service

Thereafter at 1p.m. students were taken to the ISTC Industrial area to visit and introduction about the earth station equipments, V-sat antenna, its operation and its applications. Also they explained about various SATCOMM applications such as DTH, V-SAT, base-band processing, modulator/demodulator, up/down converters, low noise amplifiers, HPA and practical, test measurement information.

• **Impact of Activity:** Related theory concept for validation & testing techniques in SatelliteCommunications.

• Related theory concepts for uplink and downlink, and other earth stationequipments

• Manual & automatic testing methods for antenna mounts, reflector antennas and its principles, antenna drive and control, feed systems, antennasizing.etc

• Brief introduction to 200 Watt HPA, Up-converter, Down-converter, 6.1 m ReceiveAntenna,

9.1 m Earth Station Antenna, Spectrum Analyzer, Power Met, X-Y Recorder, Strip Chart Recorder,

1.0 m KU-Band VSAT Antenna.

• Different major components used in the making ofantennas.

• Some related videos of satellite launching stations were shown tostudents

All the students were awarded a participation certificate. And at around 5:30 pm industrial visit was over.

Photos:- **At Institute of Satellite Telecom Pvt. Ltd. at Pune**

Dr.K.R.Desai   **Dr.Vijay.R.Ghorpade**

HOD   **Principal**

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:-** "Model Rocket Designing, Development & Launch "
- **Name of Co-ordinator:-** Mr. V. D. Patil
- **Date of Activity:-**29th January 2020
- **Participants:-** 50
- **Resource Person: -** Mr. Nitin Kumar Head, SDNx Innovation Labs
- **Details of Activity: -** The seminar contains software assisted designing and development of a model rocket followed by a rocket hardware assembly and chemically propelled propulsion system manufacturing. it will enable students to practically understand the aerodynamics, trajectory calculation, propulsion, propellant and scientific principles involved in rocked design.
- **Outcome of Activity:-**   knowledge about space missions and Learning of fabrication of a Model Rocket
- **How it Bridges gap between Industry and Academia: -** This seminar was intended to give the student insight into design and development of Model Rocket.
- **Photos:-**

Mr. V. D. Patil	Dr.K.R.Desai	Dr.Vijay R.Ghorpade
Activity Co-ordinator	**H.O.D.**	**Principal**

- **Organizing Department :** Electronics and Telecommunication Engineering

- **Name of Activity:-** 'Carrier Guidance in GATE / IES and PSUs Examination'

- **Name of Co-ordinator:-** Dr. K. R. Desai & Mr. V. S. Mandlik

- **Date of Activity:-**06th February 2020

- **Participants:-** 80

- **Resource Person: -** Mr. Aniket Budhale, Next Level, GATE Academy Kolhapur.

- **Details of Activity: -** The important career opportunities available for engineering graduates GATE, ESE, PSUs Jobs and Other competitive exams. Opportunities available through various competitive examination and the indirect benefits. The salient features of all the competitive examination with respect to pattern of the examination, eligibility criteria, and branches eligible. The strategy for competitive exam preparation.

- **Outcome of Activity:-**To create awareness on different competitive examination among the students.

- **How it Bridges gap between Industry and Academia: -** This seminar was intended to give the student insight into Competitive examination and higher education opportunity.

- **Photos:-**

Mr. V. S. Mandlik   Dr.K.R.Desai   Dr.Vijay R.Ghorpade

Activity Co-ordinator   **H.O.D.**   **Principal**

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : **Expert Lecture on "*Industrial Automation*"**
- **Date of Activity** : 7th March 2020
- **No. of Participants** : 54
- **Resource Person** : Mr. Dinesh Dhumal (ProAutomater, Kolhapur)
- **Details of Activity** : Expert lecture on "Industrial Automation" was organized by Department of Electronics and Telecommunication Engineering for SY & BE Students. The main objective of this lecture was to introduce basic concepts of industrial automation and understand how PLC can be used in industrial automation.

- **Outcome of Activity** :
  - ➢ Students are able to understand basic concepts of industrial automation.
  - ➢ Students are able to apply the knowledge of sensors, switches, actuators acquired during their course of studies.
  - ➢ Students are able to identify, formulate and solve the real time problems in industries with the help of Automation.

- **How it Bridges gap between Industry and Academia:**
  Students understood the need for automation in industries and how PLC can be used for process control in field of automation.

- **Photo:**

Mr.R.R.Suryawanshi   Dr.K.R.Desai   Dr. Vijay R. Ghorpade
   Co-Ordinator   **HOD**   **Principal**

BHARATI VIDYAPEETH'S

COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:-Workshop on self defence program for girls**
- **Name of Co-ordinator:-Ms.P.S.Mali, Mrs.A.H.Tirmare**
- **Date of Activity:-**6th March. 2020
- **Details of Activity:-**ETSA had conducted a self-defence workshop for women and girls. The workshop was conducted on the occasion of Women's Day .The Guest Trainer was Mr.Satish Vadangekar, Wushu Institute Kolhapur. Then the Event was started by welcome speech from Ms. P.S.Mali at the Reading hall, first floor. After Felicitation of Guest from H.O.D. Dr. K.R.Desai, Mr. Satish Vadangekar showed some self defence techniques which he would be explaining on practice. There are total more than 40 girl participants with some faculty members for training. The response for training is quite good.
- **Impact of Activity:** The participant had learned the new techniques of self-defense. They are also interested to attend similar kind of workshop on large scale to empower the skill of self –defence. We would like to conduct similar work shop on every year.
- **Photos:-**

Ms.P.S.Mali   Dr.K.R.Desai   Dr.V. R. Ghorpade

Co-ordinator   **HOD**   **Principal**

- **Organizing Department**   : Electronics and Telecommunication Engineering
- **Name of Activity**   : Technical event **"TechoSpark2K20"**

  1) Project Expo
  2) µC Master
  3) Ckt Design
  4) Ludo King

- **Date of Activity**   : 3rd March 2020
- **No. of Participants**   : **170**

  Registered in two categories

  Novice Group: S.E. Engineering & Diploma Final Year Students
  (Electronics and Telecommunication Engineering)

  Expert Group: U.G. T.E. & B.E.

  (Electronics and Telecommunication Engineering)

  Resource Person   :   Dr. Vijay R. Ghorpade , Mr. Rahul Mirajkar

- **Details of Activity**   : Technical event **"TechoSpark2K20"** was organized by Department of Electronics and Telecommunication Engineering for U.G. and Diploma final year students. Under this TechoSpark2K20 there are four sub events are as follows

Sr. No	Name of Event	Details of Event
1	Project Expo	Project Expo was the star-attraction out of all other events. Participations were from different colleges in Kolhapur as well as Sangli district. We had about 1 in Novice group and 20 in Expert group team registrations with each team having 3/4 members. First 3 position holders were announced in each categories 1st , 2nd and 3rd were awarded with a certificate and cash prize of 3000/- , 1500/- and 500/- respectively.
2	μC Master	Participants participated in teams of two and performed

		exceptionally well. There were two rounds first was MCQ and Second on provided problems, and were asked to write code and build. First 3 position holders were announced in each categories 1st, 2nd and 3rd were awarded with a certificate and cash prize of 3000/-, 1500/- and 500/- respectively.
3	Ckt Design	Participants participated in teams of two and performed exceptionally well. There were two rounds first was MCQ and Second on provided problems, and were asked to draw circuit and implement. First 3 position holders were announced in each categories 1st, 2nd and 3rd were awarded with a certificate and cash prize of 3000/- , 1500/- and 500/- respectively.
4	Ludo King	Ludo is a strategy board game for two to four players, in which the players race their four tokens from start to finish according to the rolls of a single die. Like other cross and circle games, first 2 position holders were announced winner, Runner-up and were awarded with a certificate and cash prize of 1000/- and 500/-

- **Outcome of Activity   :**
    1. Students are able to work in team environment.
    2. Students are able to apply the knowledge acquired during their course of study.
    3. Students are able to identify, formulate and solve a real world problem.
    4. Students are able to communicate effectively.

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

- Inculcate analytical and problem solving skills that make them a great engineer.
- Awareness is to be created by exposing them with real-time workplace
- Every individual must take a step to improve their capabilities

- **Photo:**

Inauguration

Prize Distribution

Mr. V. D. Patil	Dr. K. R. Desai	Dr. Vijay R. Ghorpade
Co-Ordinator	HOD	Principal

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department**   : Electronics & Telecommunication Engineering
- **Name of Activity**   : Workshop on Python programming
- **Date of Activity**   : 14th -15th Mar 2020
- **No. of Participants**   : 30
- **Resource Person**   : Mr.S.A.Bhosale
- **Details of Activity**   : Python is an object-oriented programming language that can be used for analyzing data, developing web applications, games, and more. Two days workshop dated 14th and 15th Mar 2020 is organized for T.E (ETC) students thirty students registered & participated for same. Workshop focuses on basics of Python programming techniques. It contains both theoretical and hands on session for students.
- **Outcome of Activity**   : Students gain knowledge regarding basics 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.
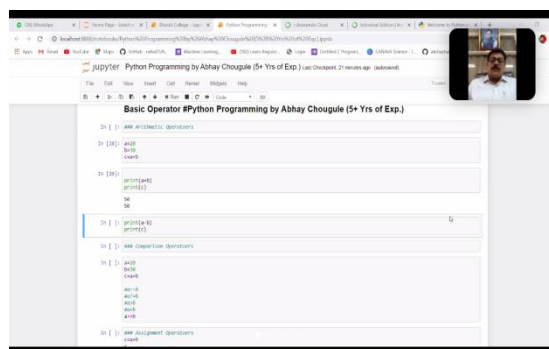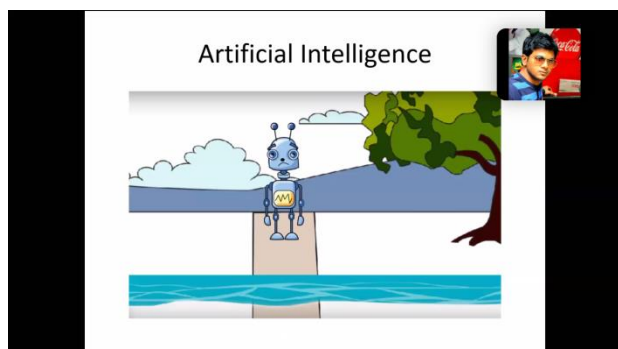- **Photo:**

Mrs.A.H.Tirmare	Dr.K.R.Desai	Dr.V.R.Ghorpade
Co-Ordinator	HOD	Principal

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : Webinar on "*Machine Learning with Python Programming*"
- **Date of Activity** : 27th May 2020
- **No. of Participants** : 59
- **Resource Person** :Mr. Abhay Chougule (RacksonsIT Developer Pvt Ltd)
- **Details of Activity** : Webinar on "Machine learning with Python Programming" was organized by Department of Electronics and Telecommunication Engineering for TE Students. The main objective of this webinar was to introduce basic concepts of machine learning and understand how python programming can be used in machine learning.

- **Outcome of Activity** :
  - ➢ Students are able to understand basic concepts of machine learning.
  - ➢ Students are able to apply the knowledge of robotics & basic programming acquired during their course of studies.
  - ➢ Students are able to identify, formulate and solve the real time problems with the help of AI & Machine learning.

- **How it Bridges gap between Industry and Academia:**
Students understood the scope of Artifical Intelligence and how its subset like machine learning & deep learning can be used with AI.

- **Photo:**

Mr.R.R.Suryawanshi   Dr.K.R.Desai   Dr. Vijay R. Ghorpade
Co-Ordinator   **HOD**   **Principal**

- **Organizing Department** : Electronics & Telecommunication Engineering
- **Name of Activity** :Women's Day Celebration
- **Date of Activity** :12thMarch 2020
- **No. of Participants** 150
- **Resource Person** :Ms. Jyoti Patil
- **Details of Activity** :International Woman's Day is celebrated in college on 12th Mar 2020. Girl'sstudents and ladies faculty members from all departments were invited& participated in the event. ChiefGuest for this event is Ms.JyotiPatil Sub IMV RTO Office Kolhapur.Ms.Jyoti Patil madam guided all regarding opportunities for girls in sector likeRTO through competitive exams. She delivered a motivational speech to encourage students. Principal Dr.V.R.Ghorpade also shared his views about women's day celebration. After a formal inauguration informal program is conductedwhich includes cultural activity and games for studentsas well asladies faculty members.
- **Outcome of Activity** :All girl students and faculty are encouraged through the motivational speech by Ms.Jyoti Patil madam and also enjoyed the cultural activity apart from busy academic schedule
- **Photo:**

Mrs.A.H.Tirmare
Co-Ordinator

Dr.K.R.Desai
HOD

Dr.V.R.Ghorpade
Principal

- **Organizing Department: MECHANICAL ENGINEERING DEPARTMENT**
- **Name of Activity: Webinar on Trends in Metal Casting**
- **Date of Activity :** 10th June 2022
- **No. of Participants: 416**
- **Details of Activity:**

  Mr.Kunal J Padalkar **(Prof. RAIT Navi Mumbai & Owner VST Power Shakti Shiroli M.I.D.C Kolhapur)** Conducted online webinar on "Trends in Metal Casting" (11:30 a.m to 12 noon)

- **Outcome of Activity:**

   Increase awareness among participants about Trends in casting simulation.

- **How It Brides Gap Between Industry And Academia:-** Autocast casting simulation software useful to students and faculties for minimizing defects in industrial components and save cost.
- . **Photos:**

Mr. S. J. KADAM	Dr. V. R. Ghorpade
HOD	Principal

BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : **General Engineering**
- **Name of Activity** : **Student Induction Program**
- **Date of Activity** : From 16/09/2019-17/09/2019
- **No. of Participants** : 49
- **Resource Person** : Dr. P.P. Patil., Dr. Anima Dhatibhate
- **Details of Activity** :

OBJECTIVE

The *objectives of the programme is to make the students feel comfortable in their new environment, open* them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature. The time during the Induction Program is also used to rectify some critical lacunas and sensitize them towards exploring their academic interest and activities, reducing competition and making them work for excellence, build relations between teachers and students and overall personality development. The following major activities under the induction programme in which the students would be fully engaged throughout the day for the entire duration of programme, this includes:

1. Physical activity: This would involve a daily routine of physical activity with games and sports including yoga which will help them to develop team spirit.

2. Creative arts: Every student would choose one skill related to the arts whether visual arts of performing arts example are painting, dancing street play, music etc.

3. Universal human values: It gets the student to explore on self and allows one to experience the joy of learning stand up to peer pressure,take decisions with courage etc.

4. Literary: Literary activities would encompass reading, writing, debating and enacting a play.

5. Lectures by Eminent People: This period can be utilized for lectures by eminent people it would give the students exposure to people who are socially active or are in public domain.

6. Visits to local area: This would familiarize them with the area as well as expose them to the outer world

<u>Inauguration of student induction program</u>

Programme was started with dip-prajwalan and sarswati pujan at 10 am. Our college Principal Dr. V.R. Ghorpade not only explored the idea about rules and regulation of institute but also gave valuable guidance about carrier in engineering. He discussed about all facilities in BVCOEK such as library, Wi-Fi, landline internet, facilities in hostel and in campus. He appealed students to use these facilities effectively and efficiently for their academic growth and

all round development. They also shared vision, mission and future planes in BVCOEK. He argues students to spend time of vacation in industries and enjoy whole vacation in industries. Finally Principal sir thanked to **Hon**. **Dr. Vishwajeet Kadam** saheb, *Secretary,Bharati Vidyapeeth*, **Hon**. **Dr H M Kadam** sir, Regional Director, *Bharati Vidyapeeth* for their continual support.

Mr. Patil A.S. F.E. coordinator gave valuable guidance newly change syllabus structure and also provided detail information related with first year department including staff ,laboratory, various facilities available to first year students. They also expressed progress of department from 2000 to till today. He discussed with students about how to study, and get a glorious success in four years of engineering degree.

Resource person Dr. Anima Dhatibhate and Dr. P.S. Patil talked about 'Art of living'. Art of Living offers numerous, highly effective educational and self-development programs and tools that facilitate the elimination of stress. These tools also foster deep and profound inner peace, happiness, and well-being for all individuals. These programs, which include breathing techniques, meditation, yoga, and practical wisdom for daily living, have helped millions around the world to completely transform their lives.

At the end of program, Mrs. Shinde S.S. Program coordinator expressed vote thanks to those who knowingly unknowingly helped to make the function successful.

After the first half of the programme lunch was provided to all students.

 In the second half of the programme, all students introduce them in front of audience .Some funny games were organized for first year engineering students. In these activities all students were participated and enjoyed whole session. Students were very happy for looking such type welcome function. Mr. & Miss Bharati selection round was conducted within this event . Felicitation of these students was done by Principal Dr. V.R. Ghorpade sir. Mrs. Shinde S.S., Mr. R. K.Chougule. worked as judge for this event.

<div align="center">

Visits to local area:

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For first year students Kaneri Math Visit was organized on 28th Feb 2020. All students along with some first year faculty and staff attended this trip. Kaneri math is museum showcases different aspects of *Gramjivan* . This initiative was the dream of <u>Mahatma Gandhi</u>, and was created through the vision and efforts of Siddhagiri Gurukul Foundation. The museum has an old <u>Shiva</u> temple on the grounds. It is believed that a <u>Shivling</u> was installed by a <u>Lingayat Priest</u> on a beautiful hill in the 14th century. About 500 years ago, a Lingayat Priest, Shree Kadsiddheshwar Maharaj, developed and renovated it, and hence the place is now known by his name. The temple includes a 125 feet (38 m)-deep well, a 42 feet (13 m) Shiva idol, and a large <u>Nandi bull</u>.

- **Outcome of Activity   :**

    1.   Students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop

awareness, sensitivity and understanding of the self, people around them, society at large, and nature.

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

  1.Students understand requirements of industry in the various field

- **Photo:**

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Programm Coordinator   **F.E. Coordinator**   **Principal**

Mrs. S.S. Shinde   **Mr. A.S. Patil**   **Dr. V.R. Ghorpade**

- **Organizing Department** : **General Engineering**
- **Name of Activity** : TECHNOBHARATI 2K20 - TECHNO SCIENCE EXPO
- **Date of Activity** : 3rd /03/2020
- **No. of Participants** : 42 participants for science quiz and 46 participants for poster
- **Resource Person** : Principal Dr. V.R. Ghorpade.
- **Details of Activity** :In TECHNO BHARATI 2K20 , General Engineering department organized TECHNO SCIENCE EXPO:**POSTER COMPETITION**. Poster competition was organized on three topics like utilization of solar energy, digital India, & water harvesting. We received total thirty entries from different colleges. Inauguration was done by Principal Dr. V.R. Ghorpade Sir. Ms. R.P. Rajmane worked as departmental coordinator.

- **Outcome of Activity** :
1. Students got updated knowledge about utilization of solar energy, digital India & water harvesting.
2. Student shows interest in research activities.

- **How it Bridges gap between Industry and Academia:**
1. Students understand requirements of industry in the field of solar energy projects.

- **Photos:**

Program Coordinator   F.E. Coordinator   PRINCIPAL