




## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

### Value Added Programs 2019-20

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

|    |  |                        |                                     |                        |
|----|--|------------------------|-------------------------------------|------------------------|
| 11 | <b>Expert lecture on 'Industrial Automation'</b>             |                        | Second and Final Year Students (54) | 7/3/2020               |
| 12 | <b>Workshop on 'Self Defense for Girls'</b>                  |                        | Girl Students (40)                  | 6/3/2020               |
| 13 | <b>Technical event 'TechnoSpark2K20'</b>                     |                        | Degree and diploma students (170)   | 3/3/2020               |
| 14 | <b>Workshop on 'Python Programming'</b>                      |                        | Third year students (30)            | 14/3/2020 to 5/3/2020  |
| 15 | Women's day celebration                                      |                        | Girls students (150)                | 12/3/2020              |
| 16 | <b>Webinar on 'Machine Learning with Python Programming'</b> |                        | Third year students (59)            | 27/5/2020              |
| 17 | <b>Webinar on 'Trends in Metal Casting'</b>                  | 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



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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  
Co-Ordinator

Mrs. S. M. Mulla  
HOD

Dr. Vijay R. Ghorpade  
Principal



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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** : 26<sup>th</sup>, 27<sup>th</sup> and 28<sup>th</sup> 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**  
Mrs. S. M. Mulla

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





## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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**

**Mrs. S. M. Mulla**

**PRINCIPAL**

**Dr. Vijay R. Ghorpade**



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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

### **a) C-Pro**

CPRO has been organized under CODERACE 2020 on 3<sup>rd</sup> 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 3<sup>rd</sup> 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 3<sup>rd</sup> 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                   | <b>First</b>  | <b>Rs. 3000/-</b> |
| Mr. Farhankhan Soudagar   |                                   |               |                   |
| Miss. Pratiksha Mane      | BVCOE, Kolhapur                   | <b>Second</b> | <b>Rs. 1500/-</b> |
| Mr. Rohan Bhosale         |                                   |               |                   |
| Mr. Harshwardhan Kulkarni | DOT, Shivaji University, Kolhapur | <b>Third</b>  | <b>Rs. 500/-</b>  |
| Miss. Shrutika Kumbhar    |                                   |               |                   |

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

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

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

| Name of the Student  | Institute Name  | Prize         | Amount            |
|----------------------|-----------------|---------------|-------------------|
| Praveen More         | BVCOE, Kolhapur | <b>First</b>  | <b>Rs. 3000/-</b> |
| Sajid Pathan         | SGU, Atigre     |               |                   |
| Sanket karande       | SGU, Atigre     |               |                   |
| Sourabh Patil        | SETI, Panhala   |               |                   |
| Kedar Mane           | BVCOE, Kolhapur | <b>Second</b> | <b>Rs. 500/-</b>  |
| Prasad Mane          | BVCOE, Kolhapur |               |                   |
| Ketan Patil          | BVCOE, Kolhapur |               |                   |
| Prajwal Mali         | BVCOE, Kolhapur |               |                   |
| Abhishek Keluskar    | BVCOE, Kolhapur | <b>Third</b>  | <b>Rs. 500/-</b>  |
| 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         | <b>First</b>  | <b>Rs. 3000/-</b> |
| Bhosale Akshay Nana       |                 |                         |               |                   |
| Yesugade Aparna Dilip     |                 |                         |               |                   |
| Telvekar Jyoti Laxman     |                 |                         |               |                   |
| Jagadale Rutuja Bharat    | BVCOE, Kolhapur | IoT Based Safety Helmet | <b>Second</b> | <b>Rs. 1500/-</b> |
| Redekar Samruddhi Sunil   |                 |                         |               |                   |
| Pawar Snehal Arun         |                 |                         |               |                   |
| Madhuri Tanaji Shewale    |                 |                         |               |                   |
| Payal Mehta               | KIT, Kolhapur   | Let's Vote              | <b>Third</b>  | <b>Rs. 500/-</b>  |
| 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**  
**HOD CSE**

**Dr. Vijay Ghorpade**  
**PRINCIPAL**





## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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** :05<sup>th</sup>, 06<sup>th</sup> and 07<sup>th</sup>March 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 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 62 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:**



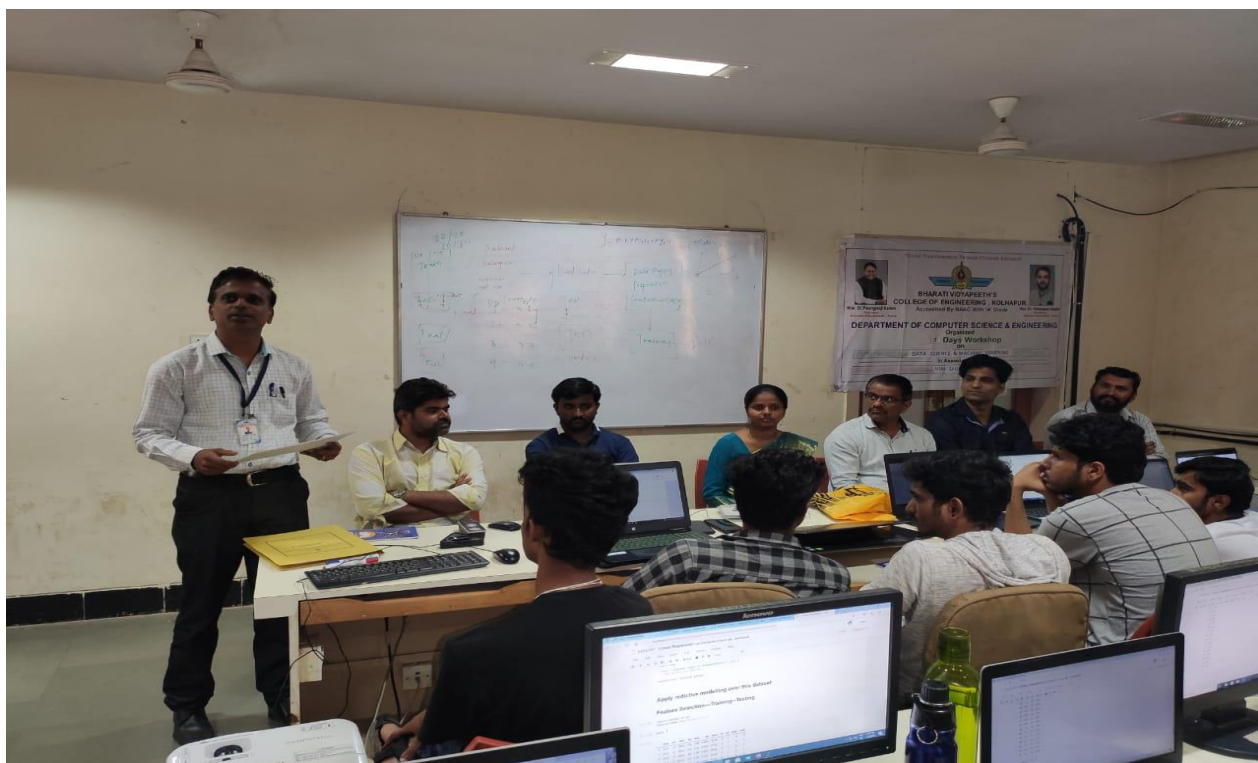
**Inaugural Function of Three Days Hands-on-Workshop on “Data Science & Machine Learning using Python”**





**Workshop Sessions**





**Prize Distribution Ceremony**

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

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

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : **One Day Workshop on “Computer Network”**
- **Date of Activity** : 23<sup>rd</sup> 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  
**Co-Ordinator**

Dr.K.R.Desai  
**HOD**

Dr. Vijay R. Ghorpade  
**Principal**



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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:-** 3<sup>rd</sup> 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  
Co-Ordinator

Dr.K.R.Desai  
HOD

Dr. Vijay R. Ghorpade  
Principal



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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:-** 21<sup>st</sup> September 2019
- **Details of Activity:** - Industrial Training Programme was organised to ISTC Pvt. Ltd, Pune on 30<sup>th</sup> September 2019 by Department of Electronics and Telecommunication Engineering of Bharati Vidyapeeth's College of Engineering, Kolhapur. Dr. K. R. Desai has organised this Industrial Training Programme for the students of BEE&TC. Dr. K.R. Desai and Mrs. P.S. Mali co-ordinated this 1 day training programme at ISTC centre. 50 students from BE E&TC participated in this programme. 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 a 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 Satellite Communications.
- Related theory concepts for uplink and downlink, and other earth station equipments
- Manual & automatic testing methods for antenna mounts, reflector antennas and its principles, antenna drive and control, feed systems, antenna sizing. etc
- Brief introduction to 200 Watt HPA, Up-converter, Down-converter, 6.1 m Receive Antenna, 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 of antennas.
- Some related videos of satellite launching stations were shown to students



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**  
**HOD**

**Dr.Vijay.R.Ghorpade**  
**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:-** 29<sup>th</sup> 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 rocket 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  
**Activity Co-ordinator**

Dr.K.R.Desai  
**H.O.D.**

Dr.Vijay R.Ghorpade  
**Principal**



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **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:-** 06<sup>th</sup> 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

**Activity Co-ordinator**

Dr.K.R.Desai

**H.O.D.**

Dr.Vijay R.Ghorpade

**Principal**

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : **Expert Lecture on “Industrial Automation”**
- **Date of Activity** : 7<sup>th</sup> 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  
**Co-Ordinator**

Dr.K.R.Desai  
**HOD**

Dr. Vijay R. Ghorpade  
**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:-**6<sup>th</sup> 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  
**Co-ordinator**

Dr.K.R.Desai  
**HOD**

Dr.V. R. Ghorpade  
**Principal**



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : Technical event “**TechoSpark2K20**”
  - 1) Project Expo
  - 2)  $\mu$ C Master
  - 3) Ckt Design
  - 4) Ludo King
- **Date of Activity** : 3<sup>rd</sup> 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 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> were awarded with a certificate and cash prize of 3000/- , 1500/- and 500/- respectively. |
| 2      | $\mu$ C 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, 2 <sup>nd</sup> and 3 <sup>rd</sup> 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 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> 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**  
**Co-Ordinator**

**Dr. K. R. Desai**  
**HOD**

**Dr. Vijay R. Ghorpade**  
**Principal**





## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Electronics & Telecommunication Engineering
- **Name of Activity** : Workshop on Python programming
- **Date of Activity** : 14<sup>th</sup> -15<sup>th</sup> 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 14<sup>th</sup> and 15<sup>th</sup> 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:**



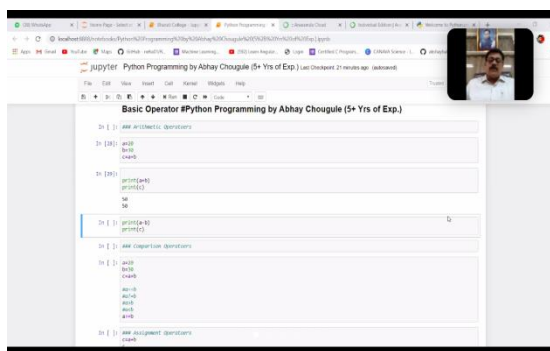
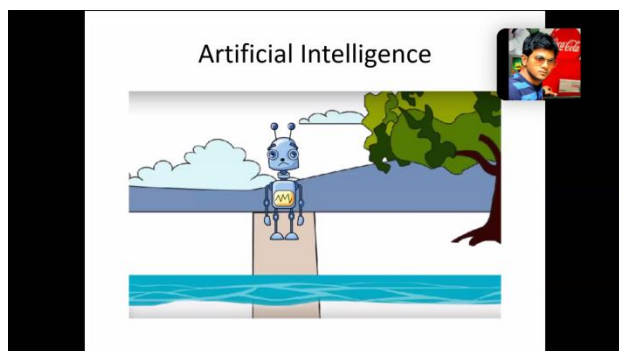
Mrs.A.H.Tirmare  
Co-Ordinator

Dr.K.R.Desai  
HOD

Dr.V.R.Ghorpade  
Principal

- **Organizing Department** : Electronics and Telecommunication Engineering
- **Name of Activity** : **Webinar on “Machine Learning with Python Programming”**
- **Date of Activity** : 27<sup>th</sup> 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 Artificial Intelligence and how its subset like machine learning & deep learning can be used with AI.

• **Photo:**



Mr.R.R.Suryawanshi  
Co-Ordinator

Dr.K.R.Desai  
HOD

Dr. Vijay R. Ghorpade  
Principal

- **Organizing Department** : Electronics & Telecommunication Engineering
- **Name of Activity** : Women's Day Celebration
- **Date of Activity** : 12th March 2020
- **No. of Participants** 150
- **Resource Person** : Ms. Jyoti Patil
- **Details of Activity** : International Woman's Day is celebrated in college on 12<sup>th</sup> Mar 2020. Girl's students and ladies faculty members from all departments were invited & participated in the event. Chief Guest for this event is Ms. Jyoti Patil Sub IMV RTO Office Kolhapur. Ms. Jyoti Patil madam guided all regarding opportunities for girls in sector like RTO 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 conducted which includes cultural activity and games for students as well as ladies 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**





## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

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

Mr.Kunal J Padalkar (Prof. RAIT Navi Mumbai & Owner VST Power Shakti Shirol  
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:**

**BHARATI VIDYAPEETHS COLLEGE OF ENGINEERING ,KOLHAPUR**

**WEBINAR ON "TRENDS IN METAL CASTING"**

**ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING**

**DATE 10 JUNE 2020 TIME 11:30AM TO 12:30 PM**

**No Registration fee**

**E-Certificate will issue**

**CONTACT**  
Mr. S V Pandit  
9028524520  
Mr. G J Pol  
9890524685  
Coordinator

**SPEAKER**  
Mr. KUNAL PADALKAR

**Registration Link:**  
<https://forms.gle/oRCDiYyy6JsNu35n7>

**Dr. S J Kadam**  
HOD

**Dr. V R Ghorpade**  
Principal

**Dr. H M Kadam**  
Regional Director

Mr. S. J. KADAM  
HOD

Dr. V. R. Ghorpade  
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

### Inauguration of student induction program

Programme was started with dip-prajwalan and sarswati puja 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.

#### **Visits to local area:**

For first year students Kaneri Math Visit was organized on 28<sup>th</sup> 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 Mahatma Gandhi, and was created through the vision and efforts of Siddhagiri Gurukul Foundation. The museum has an old Shiva temple on the grounds. It is believed that a Shivling was installed by a Lingayat Priest 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 Nandi bull.

#### **• 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:**







**Programm Coordinator**  
**Mrs. S.S. Shinde**

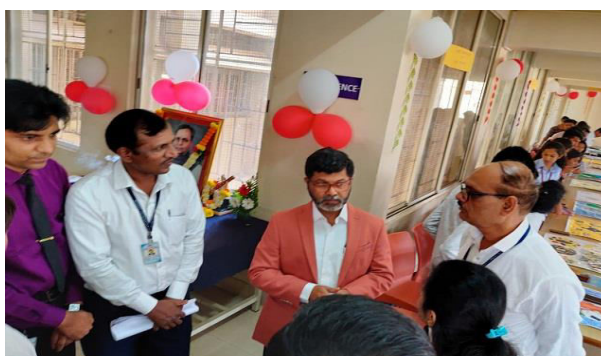
**F.E. Coordinator**  
**Mr. A.S. Patil**

**Principal**  
**Dr. V.R. Ghorpade**



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : General Engineering
- **Name of Activity** : TECHNOBHARATI 2K20 - TECHNO SCIENCE EXPO
- **Date of Activity** : 3<sup>rd</sup> /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