



BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING, KOLHAPUR

Value Added Programs 2020-21

Sr. No.	Activities	Department	Number of Beneficiary/ Participants	Date
1	Webinar on 'Introduction to Basic Linux'	Computer Science and Engineering	Students (101)	17/9/2020
2	One week hands on online workshop on 'Project Development using Agile Methodology on Azure Devops'		Students (37)	12/10/2020 to 17/10/2020
3	Three days hands on online workshop on '3D Graphics Animation Tool-Blender'		Students (55)	19/10/2020 to 21/10/2020
4	Webinar on 'Latest trends in Internet of Things and Machine learning and inauguration of center of excellence for Internet of Things (Funded by AICTE under MODROB Scheme)'		Students (101)	16/7/2021
5	Online webinar on 'PLC and SCADA'	Electronics and Telecommunication Engineering	Students (98)	8-9/5/2021
6	Webinar on 'Future of Networking in India'		TE & BE Students (100)	15/9/2020
7	Students Induction Program	General Engineering	Students (70)	18/2/2021


Dr. Jayamala K. Patil
IQAC Coordinator


Dr. Vijay R. Ghorpade
Principal, IQAC Chairperson

- **Organizing Department: Civil Engineering Department**
- **Name of Activity:** A seminar on application of 3D max and Revit Architecture in Civil Engineering
- **Name of Coordinator: Prof. M. M. More**
- **Name of Resource Person: Mr. Shinde Sir, Kolhapur.**
- **Date of Activity :** 23rd August, 2018
- **Participants:** T.E. and B.E. Civil Students
- **Details of Activity:** Shinde sir explained that 3ds Max is a 3D modeling, animation, and rendering software built and developed for games and design visualization. The program is included in the collection of media and entertainment software products offered by Autodesk. It is also a part of Autodesk's architecture, engineering, and construction collection, and one of the tools in product design and manufacturing collection. 3ds Max is used by visual effects artists and professionals in film and TV industries and by game developers and designers for the creation of virtual reality games. The software is also very useful for building design, infrastructure, and construction, as well as, for product development and manufacturing planning. Vote of thanks was given by Prof.M. M. More Sir.
- **Outcome :** Students soft skills, analytical skills will be improved
- **Photos:**



Prof. M.M.More
Coordinator

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

Dr.V.R.Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department
- **Name of Activity:** A value added course on HIT office “An ERP software in Construction Industry”
- **Name of Coordinator:** Prof. M.M.More
- **Name of Resource Person :**Mr. Mayank Patil, EDSS, Pune
- **Date of Activity :**24th to 28th August, 2018
- **Participants:** B.E. Civil Students
- **Details of Activity:** The Hit-Office construction specialized ERP for Builders, Contractors, Construction Consultants, and Architect firms. With its four major modules like Budgeting Module, Inventory Management Module for construction companies, Effective resource planning and utilization is the key to success for an organization. In manual mode of managing the businesses, a lot of revenue is lost due to ineffective and uncontrolled use of resources. An ERP basically addresses this problem along with providing a wide range of other benefits to the business. In this regard Civil Department has organized 5 days value added course for BE civil students. Total 18 students were participated. This course was designed to be practical with lectures, examples and exercises to provide skills, encourage participation and exchange information. Mr.Mayank Patil taught every module in detail.
- **Outcome :** Students soft skills, analytical skills will be improved
- **Photos:**



Prof. M.M.More
Coordinator

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

Dr.V.R.Ghorpade
Principal

- **Organizing Department:** Civil Engineering Department
- **Name of Activity:** A seminar on Revit Architecture for Civil Engineering
- **Name of Coordinator:** Prof. M. M. More
- **Name of Resource Person :** Mr. Ms. Pranita Raut, CADD Center, Kolhapur
- **Date of Activity :** 18th January, 2019
- **Participants:** S.E. and T.E. Civil Students
- **Details of Activity:** Pranita raut said that as such, Revit is a design software package. Most architects and engineers have used such packages before, which means the basics of the Revit software should feel familiar to you. The real difference is that Revit places more of a focus on the architectural sector. Where packages like Maya and 3DS Max offer general model design functionality, Revit caters to the specific needs of architects and engineers. Of course, the software also incorporates BIM. Students can enter data, which will affect how your models look. The relationship between your 2D and 3D drawings is a key element in Revit. Also other digital design software packages require you to create these drawings separately. In many cases, you'll use the information in your 2D drawings as the basis for your 3D models. It's a time-tested process, but it's one that wastes a lot of time. She also added to concern yourself with issues like consistency. If you fail to transfer something from your 2D drawings to your 3D drawings, the quality of the 3D model gets compromised.
- **Outcome :** students soft skills, analytical skills will be improved
- **Photos:**



Prof. M.M. More
Coordinator

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

Dr. V.R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department
- **Name of Activity:** Value added two days workshop on Hands on Training on Total Station.
- **Name of Coordinator:** Prof. N. A.Mohite
- **Name of Resource Person :** Mr. Shardul Pawar, Service Engineer South Precision Inst.Pvt.Ltd, Mumbai
- **Date of Activity :** 21st and 22nd January,2019
- **Participants:** S.E. Civil Students
- **Details of Activity:** Total station is used for surveying purpose. Surveying is the most important subject in civil engineering. Total station instrument is used in recent construction engineering projects. In this workshop, we had arranged the detail knowledge of total station. Vote of thanks was given by Prof.N.A.Mohite Sir.
- **Outcome of Activity: Updating of Student's Knowledge.**
 1. Students were able to understand the basics of total station usage.
 2. Students had hands on experience of total station usage in the field.
 3. They were able to work with the advanced technology in surveying which is the part of university curriculum.
 4. They were taught to transfer the data and use the E- surveying software.
- **Photos:**



Prof. N.A.Mohite
Coordinator

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

Dr.V.R.Ghorpade
Principal

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Visit to Dalan 2019 organized by CREDAI, Kolhapur
- **Name of Coordinator:** Prof. Nitish A. Mohite and Prof. Amar R. Powar
- **Name of Resource Person:** Col. S. M. Adsar (Retd.), GM (Planning and Design) B.G. Shirke Construction Technology Pvt. Ltd.
- **Date of Activity:** 9th February, 2019
- **Participants:** S.E. Civil Students
- **Details of Activity:** A educational study visit was organized on 9th February, 2019 to Dalan 2019 organized by CREDAI, Kolhapur held at Shahupuri Gymkhana for S.E. Civil students. The main reason behind this was to let student know things practically through interaction, working methods and employment practices. Moreover, it gave exposure from academic point of view. Technology development is a main factor, about which a student should have a good knowledge. Also the students along with the faculty attended the technical seminar on "Suitability of Pre-Cast Construction for Housing" organized by B.G. Shirke Construction Technology Pvt. Ltd.
- **Outcome of Activity: Updating of Student's Knowledge.**
 1. Students can gain a combined knowledge about both theory and practical.
 2. To enhance their practical knowledge in subject BCM (Building Construction and Material) and BDD (Building Design and Drawing).
 3. Students understood how the planning, designing and detailing of RCC and Precast building is done as per the IS code and what are the measure consequences at construction site while doing the site work.
- **Photo:**



Prof. A.R. Powar

Coordinators

Prof. N.A. Mohite

Prof. V.S. Kadam

H.O.D.

Dr. V.R. Ghorpade

Principal

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Industrial Visit at Supertech Ready Mix Concrete Plant, Shiye
- **Name of Coordinator:** Prof. Nitish A. Mohite and Prof. Akshay M. Jadhav
- **Name of Resource Person:** Mr. Babaso Shinde, Plant Supervisor Supertech R.M.C. Plant, Shiye
- **Date of Activity:** 8th March, 2019
- **Participants:** S.E. Civil Students
- **Details of Activity:** A industrial visit was organized on 8th March, 2019 at Supertech Ready Mix Concrete Plant, Shiye, Kolhapur for S.E. Civil students. The main reason behind this was to get technical exposure of concrete technology, manufacturing processes and other engineering aspects of concrete technology subject.
- **Outcome of Activity: Updating of Student's Knowledge.**
 1. Students can gain a combined knowledge about both theory and practical.
 2. Students can learn process of making concrete, material used in making of concrete, test conducted over concrete cubes, curing process for concrete blocks etc.
 3. To enhance their practical knowledge in subject Concrete Technology.
- **Photo:**



Prof. N.A. Mohite

Coordinators

Prof. A.M. Jadhav

Prof. V.S. Kadam

H.O.D.

Dr. V.R. Ghorpade

Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Educational visit to Krishnarajasagara Dam, Mysore, Karnataka
- **Name of Coordinator:** Prof.V.V.Mane and Prof.A.M.Jadhav
- **Date of Activity:** 13th to 18th March, 2019
- **Participants:** B.E. Civil Students
- **Details of Activity:**

A educational visit was organized to Krishnarajasagara Dam, Mysore, Karnataka for the B.E. Civil Part-II students. The knowledge of hydrology is prerequisite for the irrigation engineering and also for design of hydraulic structure. The objective of the visit was to develop the ability among students to synthesis data and technical concepts for application in hydrology and water resources engineering and to promote student awareness of the life-long learning and to introduce them professional ethics and codes of professional practice in water resource engineering.
- **Outcome of Activity: Updating of Student's Knowledge.**
 1. Distribution systems for canal irrigation and the basics of design of unlined and lined irrigation canals design.
 2. Basic components of dam and their functioning.
 3. Apply math, science, and technology in the field of water resource Engineering.
- **Photo:**



Prof.A.M.Jadhav

Coordinators

Prof. V.V.Mane

Prof.V.S.Kadam

H.O.D.

Dr.V.R.Ghorpade

Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Engineering Geology Study tour at Gad River, Kankavli of T.E. Civil Part –II Students
- **Name of Coordinator:** Prof.Nadaf, Prof. V.S.Tiware and Prof. N. A. Mohite
- **Date of Activity:** 15th March,2019
- **Participants:** T.E. Civil Students
- **Details of Activity:** A study tour of Engg. Geology subject was organized at Gad River,Kankavli for the T.E. Civil Part-II students.The objective of the study tour was to study the rock specimens, samples for giving a wider aspect about all the geological concepts covered in the class session. All the relevant technical information about the minerals, rocks wherever necessary was given by Prof.Nadaf Sir.
- **Outcome of Activity: Updating of Student's Knowledge.**
 1. Students can gain a combined knowledge about both theory and practical.
 2. Interpret the different types of geological structures
 3. Investigate the suitability of site for construction of dams, reservoirs, bridges and tunnels etc.To enhance their practical knowledge in subject Engineering Geology.
- **Photo:**



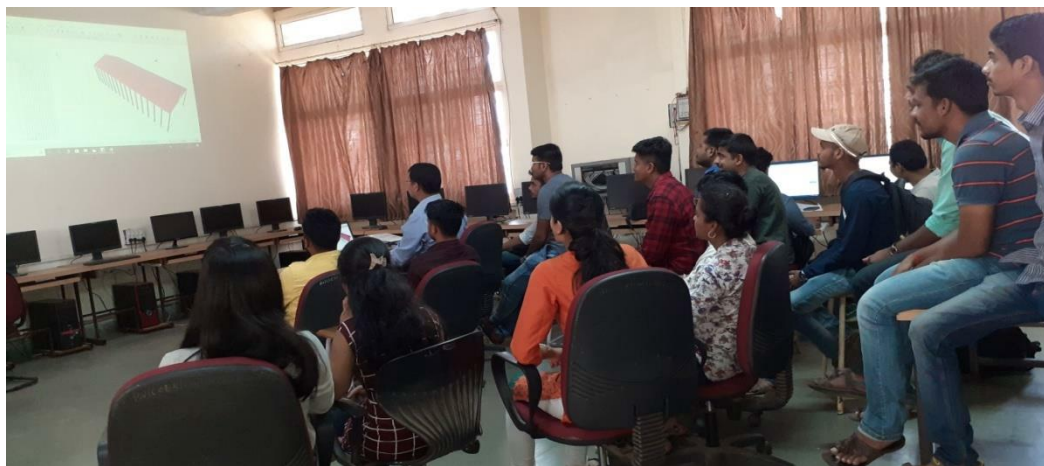
Prof. N.A.Mohite
Coordinators

Prof. V.S.Tiware
H.O.D.

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

Dr.V.R.Ghorpade
Principal

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** A seminar on ETABS Structure Analysis and Design Software
- **Name of Coordinator:** Prof.Mayur M. More and Prof.Nitish A. Mohite
- **Name of Resource Person:** Prof.Mayur M. More and Prof.Nitish A. Mohite
- **Date of Activity:** 5th April,2019
- **Participants:** T.E. Civil Students
- **Details of Activity:** The innovative and revolutionary new ETABS is the ultimate integrated software package for the structural analysis and design of buildings. Incorporating 40 years of continuous research and development, this latest ETABS offers unmatched 3D object based modeling and visualization tools, blazingly fast linear and nonlinear analytical power, sophisticated and comprehensive design capabilities for a wide-range of materials, and insightful graphic displays, reports, and schematic drawings that allow users to quickly and easily decipher and understand analysis and design results. Generally this software is used by civil engineers. At present most of the industry adopt this software for analysis across the globe.
- **Outcome of Activity: Students soft skills, analytical skills will be improved.**
 1. Students can gain a combined knowledge about both theory and practical.
 2. To enhance their practical knowledge in Structural Engineering subjects.
 3. Students understood how the analysis, designing and detailing of steel truss and RCC building is done as per the IS codes.
- **Photo:**



Prof.N.A.Mohite

Coordinators

Prof. M.M.More

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: Guidance on Project Topic Selection**
- **Name of Coordinator:- Mr. S. B. Patil**
- **Name of Chair Person :Dr. V. R. Ghorpade, Principal, BVCOE, Kolhapur**
- **Date of Activity :20/07/2018**
- **Participants: B.E. Student's**
- **Details of Activity:**

Guidance on Project Topic Selection for academic year 2018-19 was organized on 20/07/2018. Dr. V. R. Ghorpade - Principal, Bharati Vidyapeeth's College of Engineering, Kolhapur was Chair Person of the meeting. It started with Lord Sarswati Poojan and Deep Prajwalan. Respected principal sir addressed all Students about **Project Topic Selection**. He also shared valuable information regarding career opportunities for CSE students. All staff members of the department were also present for it. Students discussed their difficulties with Guests and teaching faculties.

- **Outcome of Activity:** Students and all faculties of the department had healthy talks to improve the overall performance of the students Projects. Students also had given valuable feedbacks to improve overall quality of teaching learning process.

- **Photos:**



Guidance on Project Topic Selection Photos

HOD-CSE

Mrs. S. M. Mulla

PRINCIPAL

Dr. Vijay R. Ghorpade



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** entrepreneurship development cell and CSE
- **Name of Activity:** A seminar on “Business opportunities in field of freelancing”
- **Name of Coordinator:** Mr. More Mayur M and Mr. Patel P A
- **Name of Resource Person :** Er. Pratap B. Patil (BE CSE) CEO, Walstartechnologies, Kolhapur.
- **Date of Activity :** 7th August 2018
- **Participants:** TE and BE CSE Engineering

Details of Activity: EDC arranged a seminar on “Business opportunities in field of freelancing” for TE and BE CSE Engineering Students on 7th August 2018 at 3.00 pm. The speaker explained how to Identify business opportunities in the field of computer engineering, there are various opportunities such as Systems Engineer, Solutions Architect, E-Commerce Analyst, Technical Developer, Network Analyst, Software Developer, Web Developer, Mobile Applications Developer, Database Manager, freelancer etc. The main focus of speaker was on freelancing. Speaker explained major steps in starting career as freelancer such as first Register on websites like Freelancer, Upworks, Guru etc Also highlighted Various government schemes such as MUDRA Loan Scheme, Credit Guarantee Fund Scheme for Micro and Small Enterprises (CGS), Stand Up India Scheme etc. EDC cell is very thankful to Principal Dr. V R Ghorpade, Mrs. Mulla madam HOD CSE Dept. and Prof. P A Patel for arranging such interactive session

- **Outcome of Activity:**
 1. Motivation to student to start career as freelancer.
- **Photos:**



Prof. M. M. More
EDC coordinator

Dr. V.R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Department** : **Computer Science & Engineering**
- **Name of Activity** : Three Days Workshop and Microsoft Certification on “Web Development (Using HTML, CSS, Bootstrap, Angular JS, Java Script)”
- **Names of Coordinators** : Mrs. S. M. Mulla & Mr. V. U. Patil
- **Names of Resource Persons** : Mr. Parth Shukla , Corecode IT Solutions Pvt Ltd, Gurgaon
- **Date of Activity** : 7th, 8th and 9th Sept. 2018
- **Participants** : S. E., T. E. & B.E. Students
- **Details of Activity:**

Three days workshop and Microsoft Certification on “Web Development” organized **in collaboration with Corecode IT Solutions Pvt. Ltd., New Delhi** from 7th to 9th Sept. 2018. Mr. Parth Shukla, Corecode IT Solutions Pvt. Ltd., Gurgaon was 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 growing use of web technologies in application development. 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 HTML, CSS, Bootstrap, Angular JS, Java Script. Faculty members of the department were also present for the inaugural function which is conducted in Computer Center. Mr. Parth Shukla discussed with students the upcoming opportunities in application development. Workshop was organized on Friday, Saturday, and Sunday of the week without hampering

academics of the students. Total 55 students of CSE department were participated in the workshop.

- **Outcome of Activity:**

Web Development Training by Core Code techno IT Solution is a 3/4- Day training program in the fields of HTML, CSS and Javascript. In this training program, Students learnt multiple web technologies that enabled them to create their own web projects. This training program is created by Microsoft's team of experts who have created dedicated E-Learning for on the go support for learners in terms of learning, mock test and assessments.

Photos:



Felicitation of Resource Person of the workshop Mr. Parth Shukla by respected Principal Dr. V. R. Ghorapde sir.



Addressing to students by respected Principal Dr. V. R. Ghorapde sir in inaugural ceremony.



Target audience of the workshop



Workshop session by trainer Mr. Parth Shukla

This workshop helped students gain basic HTML5/CSS3/JavaScript programming skills. It was an entry point into both the Web application and Windows Store apps training paths. The course focused on using HTML5/CSS3/JavaScript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured application.

HOD-CSE
Mrs. S. M. Mulla

PRINCIPAL
Dr. Vijay R. Ghorpade

- **Organizing Department: Computer Science & Engineering**
- **Name of Activity: Parents Meet**

Photos:



Parents Meet 2018-19 SEM-I Photos



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”
- **Names of Coordinators** :Mrs. S. M. Mulla& Mr. V. U. Patil
- **Names of Resource Persons** :Mr. Aatul Palandurkar
- **Date of Activity** :14th and15th Feb. 2019
- **Participants** : S. E. , T. E. &B.E. Students
- **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 SarswatiPoojan 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., introducedprofile of the trainerand 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 45 students participated in workshop.

- **Outcome of Activity:**

Students and faculty members were participatedin 2days workshop cum championship on Android Application Developmentwhich 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. SurajShinde
2	Mr. Abhishek Kumar
3	Mr. KishorJanwade
4	Mr. VInaykumarKhade
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



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department** : Computer Science & Engineering
- **Name of Activity** : “ONE DAY WORKSHOP ON PROBLEM SOLVING AND PROGRAMMING SKILL”
- **Names of Coordinator** : Mr. A M Patravale
- **Name of the Resource person** : Dr. Amol C. Adamuthe
- **Date of Activity** : Friday 8th Mar, 2019
- **Participants** : All CSE department students

- **Brief information about resource person:**

Dr. Amol C. Adamuthe has strong education professional with a **Ph.D. in Information Technology** from Mumbai University and **Master of Technology (M. Tech.) in Computer Engineering** from Dr. Babasaheb Ambedkar Technological University, Lonere - Raigad. Currently he is working as Head of Information Technology Department, Rajarambapu Institute of Technology (An Autonomous Institute affiliated to Shivaji University Kolhapur), Rajaramnagar, MS, India. He has worked as head of M. Tech program in CSE department for 5 years.

He has **13+ years of teaching experience**. He has worked as **NBA coordinator**, outcome based education coordinator and **R&D coordinator**. Total 21 students have completed PG (M. Tech CSE) under his guidance. He has received performance award from Rajarambapu Institute of Technology – 5 times from 2011-12.

He has received **Best Engineer Award** by Institution of Engineers (India) Kolhapur Local Chapter On the occasion of 51st Engineers day on 15th September 2018. He has filled **3 patents**.

He is **reviewer** for 12 reputed journals (IEEE, Elsevier, Springer, Inderscience) and 16 reputed conferences. He is Editorial board member of two international journals.

Research publications in reputed journals (count-13) and conferences (count-29). Best conference paper award- 04 national conference and 1 IEEE international conference.

- **Details of Activity:**

Discussion on following points done during the workshop

- A)** National Employability Report, Engineering Graduates – 2014 and 2016 only 18.33% of the engineers are employable. The 82 % engineering graduates are weak in programming and algorithm skills, soft and cognitive skills, domain skills, English

speaking and comprehension skills and analytical and quantitative skills. Recently National Association of Software & Services Companies (NASSCOM) and other private firms surveyed that only 25% graduates in India are employable.

B) Skills required

Table 1: Skills under Four Factors

Specific Skills	Core Skills	Personal Characteristics	Communication Skills
<ul style="list-style-type: none"> • Database knowledge • Spreadsheet knowledge • Word processing knowledge • Ability to adapt to changing technology • Technical skills • Mathematical skills 	<ul style="list-style-type: none"> • Self confidence • Critical thinking • Creative thinking • Interpersonal skills • Leadership skills • Experience with real world problems 	<ul style="list-style-type: none"> • Business ethics • Professionalism 	<ul style="list-style-type: none"> • Listening skills • Speaking skills • Written communication

C) Algorithm

- Definition
- Steps
- Space and time complexity
- Selection of appropriate data type/structure
- Multiple approaches to solve a problem

D) Divide and conquer problem solving technique

1. Working steps and programming logic:
2. Applications: Sorting, Binary search etc.
3. Not Applicable to
 - Knapsack problem
 - Travelling Sales Person problem

E) Greedy problem solving technique

1. Working steps and programming logic:
2. Applications: Fractional knapsack problem, Minimum cost spanning tree etc.
3. Not Applicable to
 - 0/1 knapsack problem
 - Shortest path problem
 - Travelling Sales Person problem
 - Queen Problem

F) NP problems and applications. Probabilistic problem solving methods.

G) Demonstration of Backtracking program for problem solving

H) Case study: Research paper of scheduling problem

I) C Programming standards

- **Outcome of Activity:**

The students learn different techniques for problem solving and programming. The techniques learnt by the student will be helpful for them during writing programs of any programming language. As per oral feedback received from the students, during the workshop some topics are covered which are very important and students did not know them.

- **Photos:**



Felicitation of the resource person
by Principal Dr. Vijay Ghorpade



Speech by **Dr. Vijay Ghorpade**
Principal, BVCOEK



The faculty and students attending the workshop



Interaction with the participants by the resource person

Mrs. S. M. Mulla
HOD CSE

Dr. Vijay Ghorpade
PRINCIPAL

PROGRAM REPORT ON

ENTREPRENEURSHIP AWARENESS CAMP 2018-19

Organized by

ENTREPRENEURSHIP DEVELOPMENT CELL

The Entrepreneurship Development Cell of our college successfully completed “Entrepreneurship Awareness Programme” in collaboration with MCED, Kolhapur for TE and BE students of all the branches. Total 72 students of TE and BE class were attended the programme. The schedule for the programme was from 8th , 9th and 10th march 2019 for 3 days. The programme was inaugurated by Principal Dr.V.R.Ghorpade Sir, Mrs. Renuka Turumbekar and Mrs. Mayuri Yamate (MCED coordinator Kolhapur). The objective of the camp was to create awareness among students of Engineering about various facets of entrepreneurship as an alternative career option. The participants were aware about various components of entrepreneurship development process through lecture, discussion, interaction, and practical exercises. The programme was mentored by various eminent resource persons/experts. Mrs. Renuka Turumbekar, took the session on “Introduction to Entrepreneurship”. The session enlightens the mindset of students regarding the field of entrepreneurship. Madam also shared some tips like enjoy what you do, plan out things, manage your resources wisely, become a self-promoter, level the playing field of technology and much more. Towards the end madam shared with students the three types of people that people mostly end up becoming the one who makes things happens, the one who watch things happen, the one who wonder what's happening. The session then concluded by madam sharing the testimony of different CEO's. Mr.Ravindra Khaire took over the session on the topic Identification of Opportunities & discussed the importance of communication, conformation, from where money can be raised, noticing things around us, being energetic and much more. He also shared his personal opinion that doesn'task for permission to start what you like, do what you love to do the most. The entire

session was filled with a lot of activities and interactive sessions between the speaker and students. Mr.Ravindra Khaire concluded the session by highlighting the perks of being an entrepreneur. He shared his views like you can be your own boss, high satisfaction towards what you do, financial independence, allows you for experimenting and also there is high level of possibilities for growth. Mr.Shamrao Kapse briefly introduced schemes from government of India. Vote of thanks was given by Prof More M M and with loyal efforts of the departmental EDC coordinators the Programme has aid to success.



Principal Dr.V.R.Ghorpade sir Addressing young entrepreneurial minds during inaugural function of 3 days Entrepreneurship Awareness Camp.



Inaugural function of 3 days Entrepreneurship Awareness Camp 8/3/2019 to 10/03/2019



Mrs. Renuka Turumbekar madam delivering speech on management concepts
8/03/2019



Mr. Ravindra Khaire delivering speech on Marketing Management & market
survey 09/03/2019



Mr.salavi Sir delivering speech on business opportunities, creativity in business etc
on 10/03/2019



Mr.Shamrao Kapse delivering speech on schemes from government of India on
10/03/2019



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engineering.
- **Name of Activity:** Industrial Visit
- **Name of Coordinator:**
 1. Dr. K. R. Desai
 2. Ms. A. H. Tirmare
 3. Mr. V. S. Mandlik
- **Name of Resource Person:** ISRO Satellite Centre (ISAC), Bengaluru.
- **Date of Activity:** 5th to 9th September, 2018.
- **Participant:** Final Year Students
- **Details of Activity:** A one day Industrial visit to Indian space Research Organization (ISRO), Bangalore was organized by Department of Electronics and Telecommunication on 6th September 2018. It was a half day visit by 53 students of 7th semester along with 3 faculty members. ISRO Satellite Centre (ISAC) is the lead center of the Indian Space Research Organization (ISRO) responsible for design, development, assembly & integration of communication, navigation, remote sensing, scientific and small satellite missions. For the benefit of students there is a space exhibition center at ISAC. Our students were able to see the exhibition. Scientist Mr. H L Srinivasa (Scientist, ISRO Satellite Centre) explained each and every display unit kept for the exhibition. It includes the models of the first Indian satellite Arya bhatta, APPLE, INSAT series etc. Satellites are basically of two types-Indian Remote Sensing (IRS) satellites and communication satellites. IRS-1A was the first remote sensing mission undertaken by the Indian Space Research Organization (ISRO). It was a part-operational, part-experimental mission to develop Indian expertise in satellite imagery.

Students also gained knowledge about how television signals are broadcasted with the help of satellites. A working model was demonstrated. Various images of India taken at different angles from the satellites, for the purpose of geographical/weather study were

seen. A latest image of moon obtained from satellite was also shown. Different electronic devices used in satellite and space communication were explained.

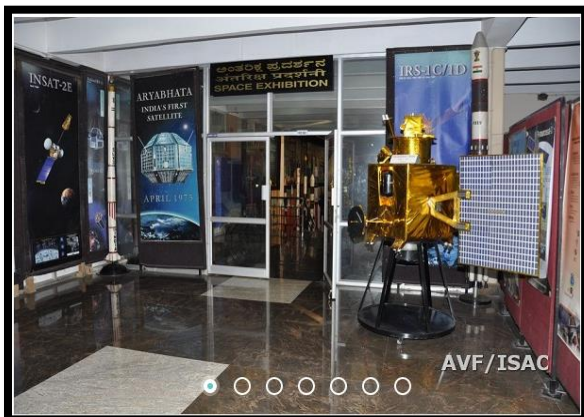
The 'clean room' concept for assembling of satellites were shown to us. Currently scientists were working on Chandrayaan 2 which will be launching in 2018. According to Mr. H. L. Srinivas, A robot will also be sent along with Chandrayaan 2 for remote sensing and surveying. It was a great experience for the students. A video depicting the moon mission of 'Chandrayaan' was also displayed. At last, Scientists answered many of the doubts which students had about satellite launching.

The Industrial Visit was a great benefit for the students to directly understand about the various concepts of satellite and space missions done by ISRO.

- **Outcome of Activity:**

1. Gained Knowledge of Satellite launching in space through the video demo.
2. To differentiate between PSLV and GSLV.
3. Gained knowledge about different Satellites and components with material of satellite.

- **Photo:**





Dr. K. R. Desai
HOD

Dr. V. R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engineering.
- **Name of Activity:-** Two Days Workshop on “Wire and Microstrip Patch antenna Design and Its analysis Using HFSS”
- **Name of Co-ordinator:-** Mr. Sachin B. Jadhav
- **Date of Activity:-** 28th and 29th September 2018
- **Participants:-** U.G. T.E. Engineering Students (Electronics and Telecommunication Engineering)
- **Details of Activity:-** Two Days Workshop on “**Wire and Microstrip Patch antenna Design and Its analysis Using HFSS**” was organized by Department of Electronics and Telecommunication Engineering for U.G. T.E. Engineering Students. Under this workshop presentation and hands on session conducted on Wire and Microstrip Patch antenna Design and Its analysis Using HFSS are as follows

Day	Presentation & Hands on session	Details of content (Objectives)
1	Content focus <ol style="list-style-type: none"> 1. Antenna design and its mathematics 2. Fabrication process of various antenna 3. Polar plot & its interpretation for mobile and wifi antenna 4. Link budget & noise budget 5. Spectrum measurement, Interference measurement, Jamming Technique ACPR, OCBW, NW, RBW 	<ul style="list-style-type: none"> • Hands on practice for digital and analog LINK development • Spectrum measurement and its use in telecom link management • Hands on RF antenna development (on the spot Antenna fabrication) • GPS mapping for RF SURVEY • Hands on antenna parameter measurement
	Hands on practice for RF antenna development (on the spot antenna fabrication by participant)	Student Participated in a groups and according to specific design specifications given by expert they developed different types of wire

		<p>antennas such as:</p> <ol style="list-style-type: none"> 1. Collar Antenna 2. Helical Antenna 3. Yagi –Uda Antenna 4. He Patch Antenna 5. Monopole Antenna 6. Slot Antenna etc. <p>The designed antennas were tested using spectrum analyzer.</p>
2	Microstrip Patch antenna Design and Its analysis Using HFSS	<ul style="list-style-type: none"> • On the day 2- Presentation and Hands on RF-Microstrip patch antenna given by expert. • All participants were asked to design and simulate the analysis of RF-Microstrip patch antenna on specification given by expert.
3	Valedictory	<p>After successful completion of workshop:</p> <ul style="list-style-type: none"> • All Participants were awarded with a certificates

- **Impact of Activity:-** Students are able to work in team environment and apply the knowledge acquired during their course of study.

- **Photos:-**



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

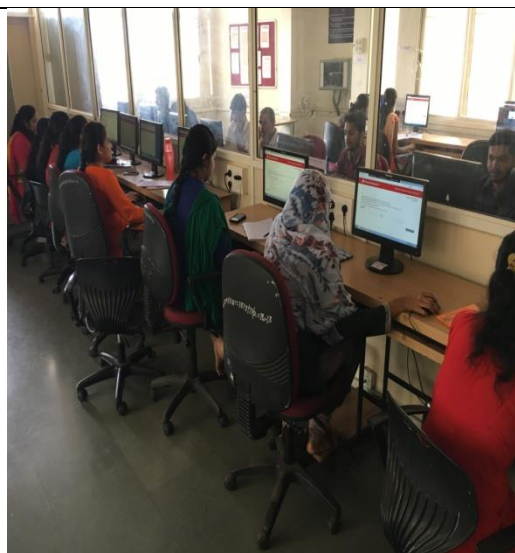


BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics & Telecommunication Engineering.
- **Name of Activity:-** 'Drushti Online Contest'
- **Name of Coordinator:-** Mr. R. R. Suryawanshi
- **Date of Activity:-** 30th July 2018
- **Participants:-** TE & BE E&Tc Students
- **Details of Activity:-** Department of E&TC conducted "DRUSHTI Online Contest" by Texas Instruments, on 30th July 2018. Students were participated in that program. It encouraged students to know about new concept along with it improved students knowledge.
- **Impact of Activity:-** This test helps to student to know their intellectual level.
- **Photos:-** Drushti Online Contest



TE students



BE students

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



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:** Four Days Workshop on “PLC and SCADA”
- **Name of Coordinator:** Mrs. A. H. Tirmare
- **Date of Activity:** 27th Feb to 2nd Mar 2019
- **Participants:** Final Year Students (Electronics and Telecommunication Engineering)
- **Details of Activity:** Four Days Workshop on “PLC and SCADA” was organized by Department of Electronics and Telecommunication Engineering for Final year Students. Total 39 number of students participated in this workshop .Presentation and hands on sessions are conducted on PLC programming and SCADA.
- **Name of Resource Person:** Mr. Dinesh Dhumal (PROAUTOMATER Robotics & Automation Kolhapur.)

Day	Presentation & Hands on session
1	Switches – Push Buttons, Toggle Switch NO & NC contact, Relay, Contactor. Transistor – PNP & NPN transistor. Timer – Mechanical timer, Electronics IC timer. Sensor – Magnetic sensor, Limit Switch Float Sensor, Proximity Sensor.
	PLC :- Programmable Logic Controller Basics Of PLC: 1) Role of PLC in Automation. 2) Introduction to PLC Hardware. 3) Block Diagram Of PLC 4) Introduction to Field Devices Attaches to PLC. 5) Types of Input and Output. 6) Sink & Source Concept. 7) Protocols Used in PLC communication
2 & 3	PLC (Allen Bradley): 1) Introduction to PLC Software 2) Addressing Concept 3) Implementation of Logic Gates in Ladder Logic 4) Monitoring & Modifying Data Table 5) Forcing Input & Output 6) Communication of PLC & Microsoft Excel 7) Programming Instruction: a) Bit b) Timer c) Counter d) Arithmetic e)

	Logical f) Scaling (For analog Input)
4	Supervisory Control And Data Acquisition (SCADA) : 1) Creating New SCADA Application 2) Creating & Editing Display With animation 3) Creating Real & Historical Trend 4) Creating alarms & Events 5) Writing Logic Through Script 6) Connectivity With Database(Excel) 7) Communication of PLC & SCADA.



- **Outcome of Activity:**

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

H.O.D.

Dr. K. R. Desai



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:** Two Days Workshop on “*PCB DESIGN*”
- **Name of Coordinator:** Ms. P. S. Mali and Mr. R. R. Suryawanshi
- **Date of Activity:** 14th Feb to 15nd Mar 2019
- **Participants:** SE and TE Students (Electronics and Telecommunication Engineering)
- **Details of Activity:** Two Days Workshop on “PCB design” was organized by Department of Electronics and Telecommunication Engineering for SE and TE Students. Total 49 number of students participated in this workshop .Presentation and hands on sessions are conducted on PCB design.
- **Name of Resource Person:** Mr. Vinayak Sutar(Excel Technologies Kolhapur)

Day	Presentation & Hands on session
1	Component placing, editing, wiring, foot-print assigning to component.
2	Component placement, routing, assigning (0,0) XY- co-ordinate to board, measuring dimension of board, and print out of board.
4	PCB manufacturing manual process. Tracing of layout on copper clad, etching, drilling, polishing, tinning , soldering, testing soldered hardware.

Photo:



- **Outcome of Activity:**

1. Students are able to work in team.
2. Students are able to apply the PCB design knowledge acquired during their course of studies.
3. Students are able to identify, formulate and solve the real world problem in Industrial Automation.

H.O.D.

Dr. K. R. Desai



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department :** Electronics and Telecommunication Engineering
- **Name of Activity:** “Guidelines for Gate Examination -2019”
- **Name of Coordinator:** Mr. Veeresh. P. M
- **Date of Activity:** 2nd Feb 2019
- **Participants:** Final Year Students (Electronics and Telecommunication Engineering)
- **Details of Activity:** Guest lecture on “Guidelines for Gate Examination -2019” was organized by Department of Electronics and Telecommunication Engineering for Final year Students. Around 70 number of students participated in this guest lecture
- **Name of Resource Person:** Mr. Dinesh Dhumal (Gate Forum, Kolhapur.)



- **Outcome of Activity:**
Students will be able to utilize the guidelines in the upcoming gate examination

Mr. Veeresh P.M
Coordinator

Dr. K. R. Desai
HOD

\



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Electronics and Telecommunication Engineering
- **Name of Activity:** Two days' workshop on “**Arduino Based Design and Applications**” **Organizing Department:** Electronics and Telecommunication Engineering
- **Name of Activity:** Two days' workshop on “**Arduino Based Design and Applications**”
- **Name of Coordinator:** Mr. S. S. Pawar and Mr. U. S. Sagare
- **Name of Resource Person:** Mr. Mohan Kondale, Vedam Labs, Solapur.
- **Date of Activity:** 1st and 2nd February 2018
- **Participants:** Registered Final (B.E) and Pre-final (T.E) year students
- **Details of Activity:** Two days' workshop on “**Arduino Based Design and Applications**” was organized by Department of Electronics and Telecommunication Engineering for registered Final (B.E) and Pre-final (T.E) year students. The resource person was Mr. Mohan Kondale, Vedam Labs, Solapur. Introduction of Arduino board and software was given to participate. Programming and interfacing of various devices such as LED, LCD, Seven segment displays, GPS, GSM, Bluetooth, RFID card, Stepper motor, DC motor etc. to Arduino board was explained with demonstration in two days of workshop. Building of small projects was also carried out during practical's sessions.
- **Outcome of Activity:**
 1. Students are able to understand Arduino hardware and software platform.
 2. Students are able to interface various devices with Arduino board and write program for the same.
 3. Students are able to build small electronics projects for specific applications.

- **Photo gallery of Workshop:**



Inauguration: Dr. V.R.Ghorpade (Principal), Mr. Mohan Kondle (Resource person), Dr. K.R.Desai (HOD E&TC), Mr.S.S.Pawar& Mr. U.S.Sagare(Coordinator)



Valedictory: Dr. V.R.Ghorpade (Principal), Mr. Mohan Kondle (Resource person), Dr. K.R.Desai (HOD E&TC), Mr.S.S.Pawar&Mr. U.S.Sagare(Coordinator), Student Participate



Mr. Mohan Kondle (Resource person) guiding students



Students performing Practical on Arduino Board

**Dr. K.R.Desai
H.O.D (E&TC)**

**Dr. Vijay R. Ghorpade
Principal**

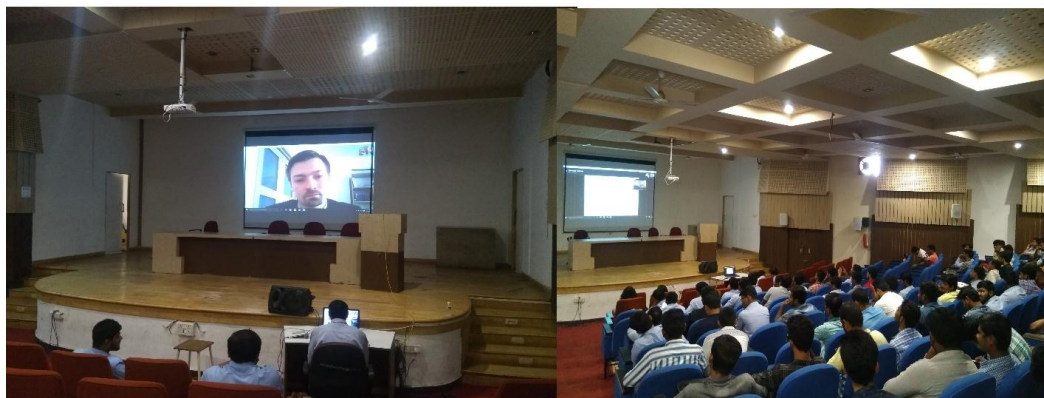


BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** MECHANICAL ENGINEERING DEPARTMENT
- **Name of Activity:** Webinar On Research Proposal Writing And Opportunities In Russian Universities
- **Name of Coordinator:** Mr. A.A.DESAI & M.S.SONWANE
- **Name of Resource Person :-** Mr. Alexey Gamberg (Assistant of Dept. of machine, Ural Federal University, Russia)
- **Date of Activity :** 21th August 2018
- **Participants:** B.E. MECHANICAL ENGG. STUDENTS
- **Details of Activity:**

Mr. Alexey Gamberg (Assistant of Dept. of machine, Ural Federal University, Russia) guided the students via video conferencing regarding patent filling, research proposal writing and how to find out research gap, presentation of thesis. He also gave information regarding opportunities in Russian universities for study and work in Russia.
- **Outcome of Activity:**

Awareness in students about research work and patent filling.
- **Photos:**



Mr. S. J. KADAM
HOD MECH

DR.V.R.GHORPADE
PRINCIPAL

- **Organizing Department:** Mechanical Engineering Department

Name of Activity: Guest lecture on “Opportunities of Higher studies and career in foreign countries.”

- **Name of Coordinator:** Mr. P. D Rajigare
- **Name of Resource Person:** - Dr. Amit A. Savkar, Associate Professor,
University of Connecticut, Storrs, Connecticut.
- **Date of Activity :** 2nd January 2019
- **Participants:** 180 students of B.E. (MECH. , CSE AND ETC.)
- **Details of Activity:**

As per directions of Hon. Principal Dr. V. R. Ghorpade Department of Mechanical Engineering had organized guest lecture on Opportunities of Higher studies and career in foreign countries. In this lecture Prof S. J. Kadam (H. O. D. Mech.) honored Dr. Amit A. Savkar by offering bouquet. After watering the plant Dr. Savkar explained current situation of engineering work. They said now days we cannot define problem by a single branch of engineering problem but as multidisciplinary engineering problem. There is need of innovative Engineers to world. They found mathematics and its use is strength of engineers in India so we need to develop our communication to work in foreign. For study many scholarships or teaching assistance is available in various Universities. Dr. Savkar ended by saying he is proud to be alumni of Bharati Vidyapeeth. The students gained valuable insight into Opportunities of Higher studies and career in foreign countries

- **Outcome of Activity:**
Students are motivated and get information about higher study and career in foreign.
- **Photos:**



Mr. P. D. Rajigare
Coordinators



Mr. S. J. KADAM
HOD



Dr. V. R. Ghorpade
Principal

- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Industrial Visit at RND Industries ,Shiroli MIDC,Kolhapur
- **Name of Coordinator:** - Mr. A.R.Jadhav, Mr. A.A.Desai
- **Name of Resource Person:** -
- **Date of Activity:** 14/02/2019
- **Participants:** T.E.-A Mechanical Students.
- **Details of Activity:**

Visit For Subject: Machine Design-II ,A.Y.2018-19 Sem-II

- **Outcome of Activity:**
 - Student get Aware of Industry Culture.
 - Student Get knowledge about Gear Manufacturing Process.
- **How It brides Between Industry And Academia:**

It aware students about Gear Manufacturing Process.

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:** Workshop on “3D PRINTING WORKSHOP”

- **Name of Coordinator:** Mr. S V Pandit

- **Name of Resource Person:** - Mr.P H Patil,

Date of Activity: 01/03/2019 to 02/03/2019

- **Participants:** B.E Mechanical Student, Faculty.

- **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 Rapid Manufacturing Processes** in Mechanical Engineering.

- **Photos:**



Mr. S. J. KADAM

HOD

Dr. V. R. Ghorpade

Principal

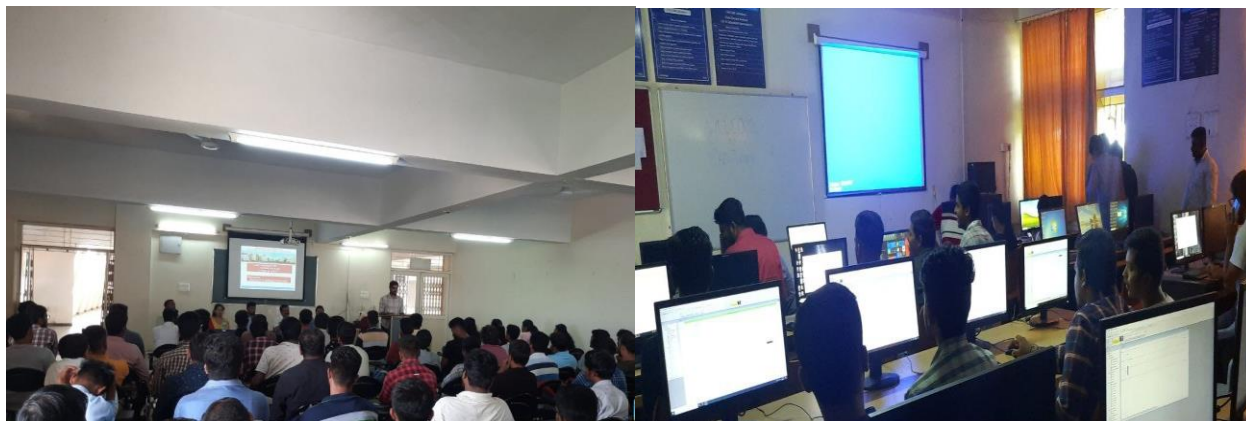


BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Mechanical Engineering Department
- **Name of Activity:** Workshop on on "PLC Programming"
- **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
- **Name of Activity:** INDUCTION TRAINING PROGRAMME FOR NEW STUDENTS
- **Date of Activity :** 01/08/2018 - 21/08/2018
- **Name of chief guest:** Dr. Mudholkar R.R. ,Dr. Anima Dhatibhate ,Dr. Shubhada diwan
Mr. Gourav Kaingade
- **Participants:** F.E. Coordinator and faculty of First Year & students
- **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 Hon. 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 **Dr. Vishwajeet Kadam** saheb, *Secretary, Bharati Vidyapeeth*, **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.

Chief guests of this function Dr. Mudholkar R.R. addressed about 'Positive Attitude'. He shared his view to student within four year journey of engineering as well as how to develop personality, communication skill & interview skill. He also explored the Positive Attitude for students with seven step module, which can be developing with making practices of "Stop—Think—React" strategy.

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 . Mr. Shendge Arjun and Miss Patil Shewta were selected as *Mr.Bharati* and *Miss Bharati* respectively. Felicitation of these students was done by Principal Dr. V.R. Ghorpade sir. Mrs. Shinde S.S., Ms. Rajmane R.H. and Ms. Ghorpade G.S. worked as judge for this event.





1. Physical activity:

Everyone knows that regular exercise is good for the body. But exercise is also one of the most effective way to improve your mental health. Regular exercise can have a profoundly positive impact on depression, anxiety, and more. It also relieves stress, improves memory, helps you sleep better, and boosts overall mood.

Under guidance of physical director students enjoyed various indoor and outdoor games, which develop team spirit.



2. Creative arts:

Basic human values refer to those values which are at the core of being human. The values which are considered basic inherent values in human include **truth, honesty, loyalty, love, peace**, etc . Because, they bring out the fundamental **goodness** of human beings and society at large. Based on human values and profession ethics students enjoyed creative arts activity. All students are informed about seven values. Values are the guiding principles of our lives. They are essential for positive human behavior and actions in our daily lives.



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.

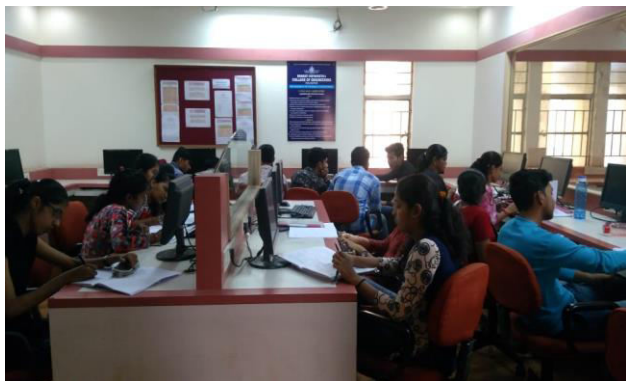




4. Literary:

We have well equipped language laboratory. Under student induction programme we conducted English diagnostic test. This test helps the teacher and students identify problems that they have with the language. To overcome this, we showed video on phonetics and professional skill development.

Workshop on Pottery work was conducted and resource Person was Mr. Gourav kaingade. He explain his Terracotta journey with practical.



5.Lectures by Eminent People

1) Positive attitude

Resource person Dr. Mudholkar R.R. addressed about 'Positive Attitude'. He shared his view to students on four years journey of engineering as well as how to develop personality, communication skill & interview skill. He also explored the Positive attitude for students with seven step module, which can be developing with making practices of "Stop—Think—React" strategy.



2) Art of living

Resource person Dr. Anima Dhatibhate 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.



3) Development of Emotional Quotient

Resource person Dr. Shubhada Diwan talked about ‘Development of Emotional Quotient. Emotional Intelligence is an ability to understand, interpret one’s own emotions and as well as others’ and responding appropriately to them.



6. Visits to local area:

Visit was organized for first year students to Kaneri Math Kolhapur. This 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.





Program Coordinator
Mrs. S.S. Shinde



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

Principal
Dr. V.R. Ghorpade



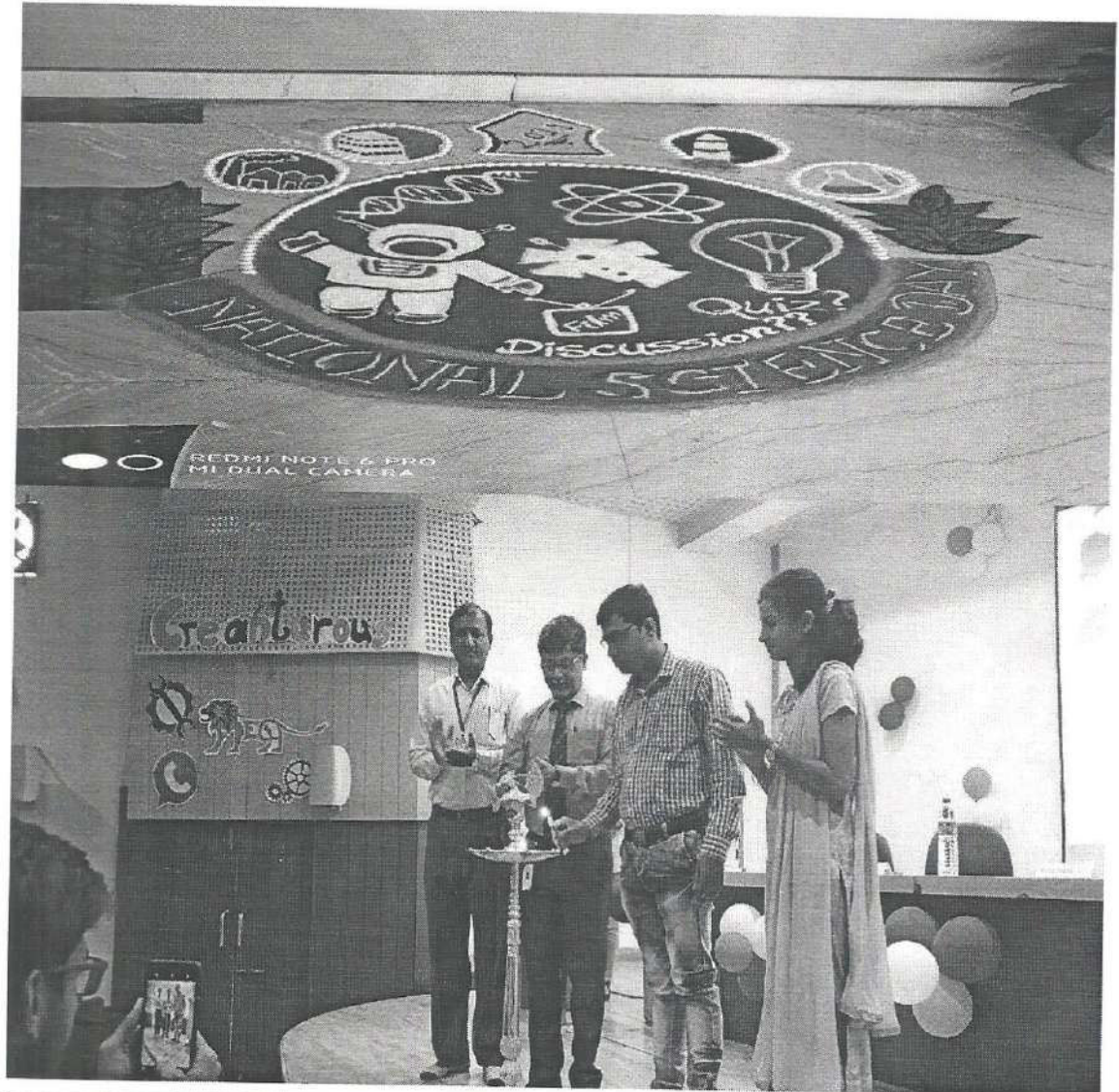
BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

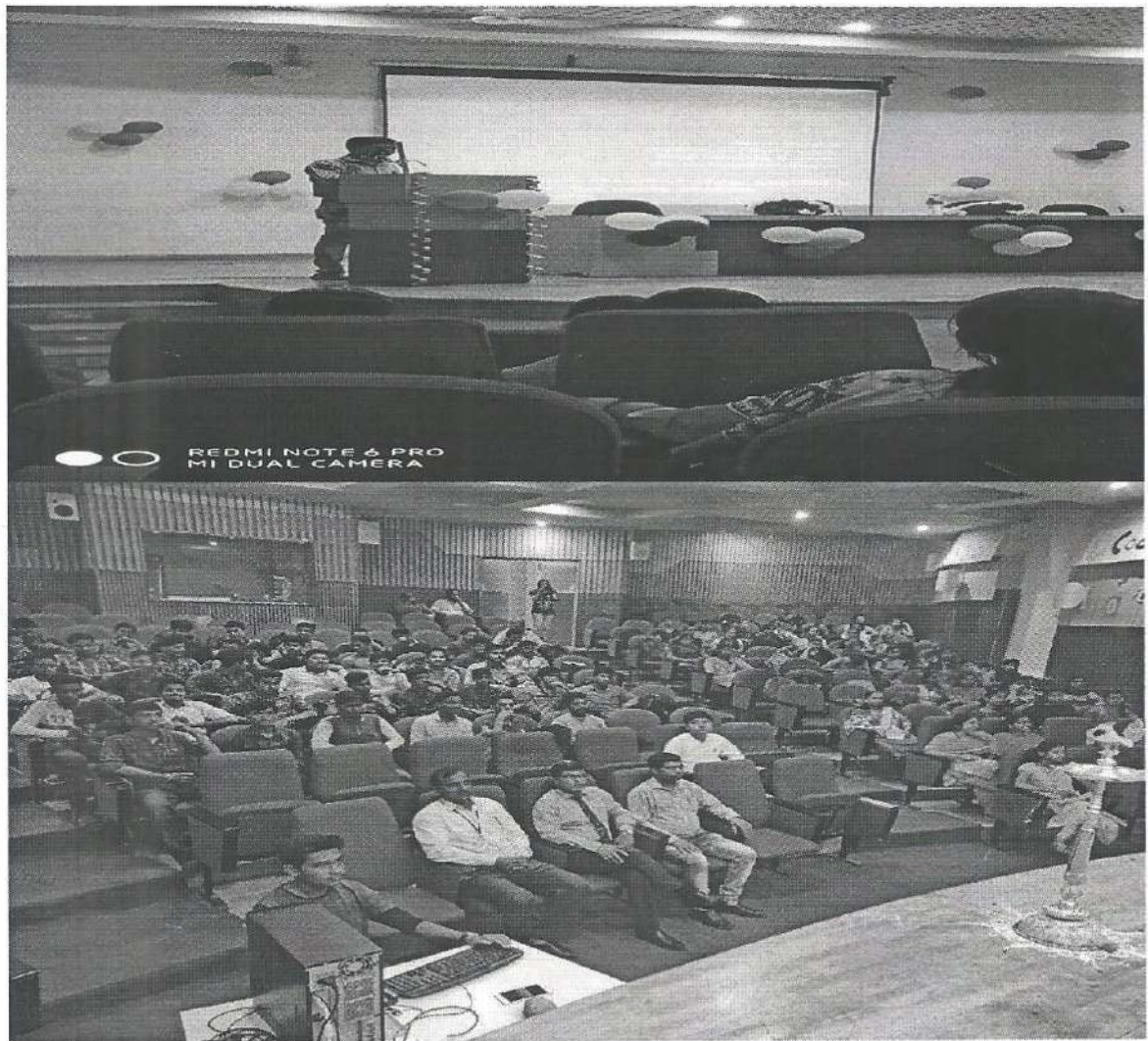
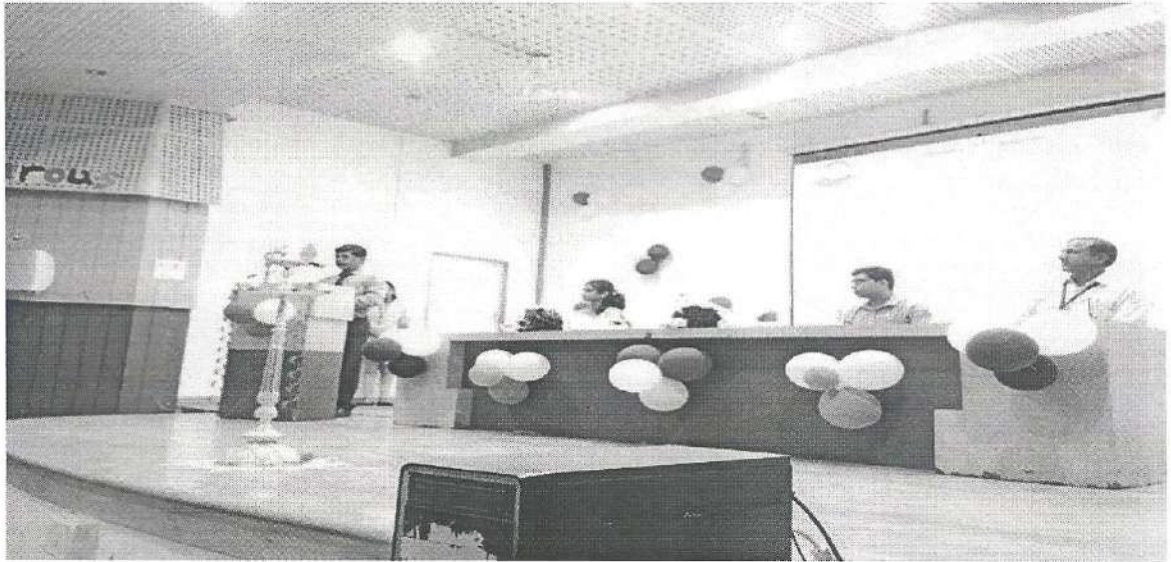
- **Organizing Department:** General Engineering
- **Name of Activity:** National Science Day celebration
- **Date of Activity :** 28/02/2019
- **Name of resource person:** Dr .S.B. Bhalekar

Assistant Professor, Dept.of Mathematics Shivaji University , Kolhapur

- **Participants:** Principal, F.E. Coordinator,HOD'S all Dept. and faculty of First Year and First year students.
- **Details of Activity:** National Science Day was celebrated on 28th February 2019 in Bharati Vidyapeeth's college of Engineering ,Kolhapur. Mrs. P.P.Rajmane was the program coordinator . Anuradha Patil & Manasi Patil are the anchors for the Program. Dr S. B. Bhalekar was the Chief guest for the ' National Science Day' program. Dr S. B. Bhalekar, addressed the students. He mentioned various scientists and emphasized the importance of their contribution to the society. Role of Mathematics for Society was the motto of his speech. Positivity, consistency, hard work were the major tools which the students can use for their personal growth was also mentioned by Dr S. B. Bhalekar. Principal Dr. V.R. Ghorpade sir addressed the students about National science day & the contribution of C.V.Raman to the Scientific field. F.E. coordinator Mr. A.S.Patil informed the students about National Science Day. Ms .P.P.Rajmane has delivered the Vote of thanks.
- **Outcome of Activity:**
 1. Students got updated knowledge about applications of mathematics in various fields.

- Photos:






F.E. Coordinator


PRINCIPAL



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** General Engineering
- **Name of Activity:** Road Safety Awareness program
- **Date of Activity :** 12/01/2019
- **Name of resource person:** Mr .S.M. Jadhav, Mr.U.K.Panhalkar Maruti Driving School, Sai Service Pvt.Ltd., Kolhapur
- **Participants:** First year students
- **Details of Activity:** Road Safety Awareness program was organized on 12th January 2019 in Bharati Vidyapeeth's college of Engineering ,Kolhapur. Ms. G.S.Ghorpade was the program coordinator. Akshata Revankar& Manasi Patil are the anchors for the Program. Mr.U.K.Panhalkar addressed the students. In his speech, he had given the information about road safety& what precautions are to be taken while driving any vehicle. Principal Dr.V.R.Ghorpade sir addressed the students about the importance of Road safety. Ms. G.S.Ghorpade has delivered the Vote of thanks.
- **Outcome of Activity:**
 1. Students got knowledge about what precautions are to be taken while driving any vehicle and various traffic rules.
- **Photos:**



F.E. Coordinator

PRINCIPAL



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** General Engineering
- **Name of the Activity:** Environmental Awareness: Environmental Project Display through MODEL And POSTER EXHIBITION
- **Date of Activity:** 23/02/2019
- **Name of the guest:** Mr. Raman Kulkarni. Wild Life Warden of Kolhapur District Forest Department, Maharashtra and Wild life photographer.
- **Participants:** HOD's of all Departments, F.E. Coordinator and faculty of First Year and participants from all second year engineering branches of BVCOE Kolhapur.
- **Details of Activity:** Environmental Project Display through Model and Poster was organized on different environmental issues. We received total sixty entries from all departments. Inauguration was done by Mr. Raman Kulkarni and Principal Dr. V.R.Ghorpade Sir. Mr. Raman Kulkarni has guided students about wild life conservation and importance of conservation of various natural habitats. Principal Dr.V.R.Ghorpade sir has guided students about various environmental issues.
- Ms. G.S.Ghorpade worked as program coordinator.
- **Outcome of Activity:**
 1. Students got updated knowledge about general environmental issues.
 2. Students started showing interest in Environmental Conservation.



Ms. G. S. Ghorpade
Program Coordinator

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

Dr. V. R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** General Engineering
- **Name of Activity:** TECHNOBHARATI 2K19 - TECHNO SCIENCE EXPO
- **Date of Activity :**22/02/2019
- **Name of chief guest:** Shri. Satish Mane DySP (Home), Kolhapur, Principal Dr. V.R. Ghorpade.
- **Participants:** F.E. Coordinator and faculty of First Year & participants from different colleges.
- **Details of Activity:** In TECHNO BHARATI 2K19 , 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. Mrs. S.S. Shinde 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.
 - Mrs. Shinde S. S. worked as program coordinator.
- **Photos:**





Program 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:** Research & Development Cell
- **Name of Activity:** Research Sensitization Scheme For College Students
- **Name of Coordinator:** Mr. S.S.Pawar.
- **Name of Resource Person :**

Resource Person/ Speakers	Topic
Dr. P.S.Patil Professor Shivaji University, Kolhapur	Impact of Final Year Project on Students Career and Research Sensitization Scheme.
Mr. B.S.Shimpukade Owner Shimpukade Group of Industries, Kolhapur	Expectations of Industries from Final Year Projects
Dr. S.M.Pise Professor, KIT COE, Kolhapur	Engineering Final Year Project – Its Objectives, Execution and Assessment

- **Date of Activity:** 09th October 2018.
- **Participants:** Selected students project group under Lead College and Final Year Students.
- **Details of Activity:** To inculcate research culture among students at under graduate level and promote research potential of students Shivaji University, Kolhapur has sanctioned a research grant of maximum Rs. 10,000/- per project group per college. The Lead College will organize a guidance workshop to concerned students for smooth conduct of project. The responsibility of organizing workshop was given to our college, which was conducted on 9th October 2018. The Experts from academics and industries were invited to provide information about research scheme and guide students about research projects. Selected Project group of all colleges under Lead College cluster and Final Year students of our college have attended the workshop.
- **Outcome of Activity:**
 1. Students are able to understand Research Scheme of Shivaji University Kolhapur.
 2. Students are able to understand Impact of Final Year Project on Students Career.
 3. Students are able to understand Expectations of Industries from Final Year Projects.
 4. Students are able to understand Objectives, Execution and Assessment of Final Year Project.

- **Photo gallery of Research Sensitization Scheme workshop:**



Event : Inauguration of Workshop

Dignitary: Dr. P.S.Patil (Guest), Dr. V.R.Ghorpade (Principal) Mr. S.S.Pawar (Coordinator)



Speaker : Dr. P.S.Patil

Topic: Impact of Final Year Project on Students Career and Research Sensitization Scheme.



Speaker : Mr. B.S.Shimpukade

Topic: Expectations of Industries from Final Year Projects



Speaker : Dr. S.M.Pise

Topic: Engineering Final Year Project – Its Objectives, Execution and Assessment



Event : Presentation of Students Project



Event : Valedictory and Certificate Distribution Ceremony

Mr. Sanjay S. Pawar
Co-ordinator

Dr. Vijay R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Name of Activity:** International Women's Day
- **Name of Coordinator:** Dr. J. K. Patil
- **Date of Activity :** 13/03/2019
- **Participants:** All girl students and ladies faculty
- **Details of Activity:** International Women's Day is celebrated on 13th March 2019. The function is inaugurated by principal Dr. Vijay Ghorpade sir along with all heads of the department. He addressed the gathering and put light on women's empowerment. In his address he honored Indian womens in almost all fields for their inspiring devotion in their respective work. Principal sir felicitated all ladies faculty and staff on behalf of Institute. The women workers from housekeeping are also felicitated. This function is followed by various cultural events by girl student. One of the final year student Ms. Janhavi Modak demonstrated self defense activities through art of Fencing and Lathikathi.
- **Impact of Activity:**
 1. United cultural events by girl students
 2. Girl students learned self defense activities.
- **Photos:**



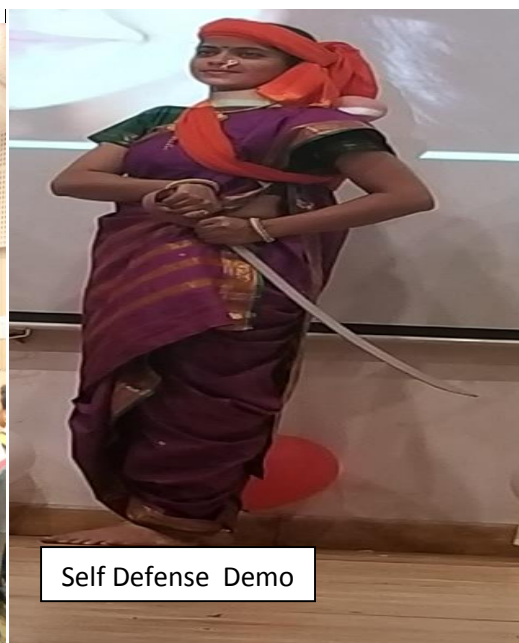
Deep Prajvalan



Principal's Address



Audience



Self Defense Demo



Felicitation of housekeeping Team



Bharati Vidyapeeth Geet

Dr. Jayamala Patil
Presiding Officer

Dr. Vijay Ghorpade
Principal