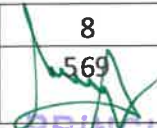


Basaveshwar Engineering College, Bagalkot

Value-added courses for imparting transferable and life skills offered during last five years

Name of the value added courses (with 30 or more contact hours) offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Academic Year 2021-22						
Student Induction Program	SIP	2022	1	2 Weeks	600	600
Embedded Systems and Robotics		2022	1	1 Week	20	20
Automation Technologies	Bosch_Rexroth_1	2022	1	8 weeks	7	7
Academic Year 2020-21						
Corporate C Programming	EC_1	2020	1	13 Weeks	30	30
Artificial Intelligence and Machine Learning	NASSCOM_1	2021	1	3 Weeks	108	94
Data Science and Analytics	NASSCOM_2	2021	1	3 Weeks	43	40
Data Structure using C language	EC_2	2021	1	10 Weeks	64	64
Internet of Things	CS_2	2020	1	4 Weeks	101	101
Data Science and Analytics	EI_1	2020	1	4 Weeks	50	50
Cyber Security	CS_1	2020	1	8 Weeks	64	64
Student Induction Program	SIP	2021	1	2 Weeks	548	548
Academic Year 2019-20						
Automation Technologies	Bosch_Rexroth_1	2019	2	8 Weeks	8	8
Student Induction Program	SIP	2019	1	2 Weeks	569	569


PRINCIPAL,
 Basaveshwar Engineering College
 BAGALKOT

Name of the value added courses (with 30 or more contact hours) offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Academic Year 2018-19						
Automation Technologies	Bosch_Rexroth_1	2018	3	2 Weeks	62	62
Student Induction Program	SIP	2018	1	1 Week	585	585
Academic Year 2017-18						
Automation Technologies	Bosch_Rexroth_1	2017	1	8 Weeks	25	25
HRD training programme		2017	1	30 Hrs	585	585


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BAGALKOT

Basaveshwar Engineering College

**Brochure and Course Content of Value
Added Courses**



**BEC-Bosch Rexroth Center of Competence in
Automation Technologies
Basaveshwar Engineering College (Autonomous),
Bagalkot -587103**



Industrial Internship for UG and PG students - 2017-18

BEC-Bosch Rexroth Center of Competence in Automation Technologies is providing training in the area of Industrial Automation. This training center is established as part of MOU between Basaveshwar Engineering College, Bagalkot and Rexroth Bosch Group. The center is equipped with all necessary infrastructures to impart training on industrial automation. The students who undergo the training receive a certificate jointly attested by the authorities of Bosch Rexroth India Ltd. and Basaveshwar Engineering College, which helps the students to take up a career in industrial automation.



Features of the Training Program:

- ◆ Fundamental concepts in the area of industrial automation including PLC and Mechatronics along with the applications of electro-hydraulics and electro-pneumatics are covered.
- ◆ Lecture sessions from in house faculty and experts from other academic institutions are supported by demonstrations and applications videos.
- ◆ Industry experts will be invited to deliver key sessions.
- ◆ Hands on training on advanced trainer systems supplied and commissioned by Rexroth – Bosch AG, Germany.
- ◆ The course module is designed in consultation with Rexroth – Bosch AG, Germany to suit the current industrial trends.
- ◆ One day industrial visit to visualize the present day corporate practices.
- ◆ A course completion certificate jointly authenticated by Rexroth Bosch India Pvt. Ltd. and BEC, Bagalkot.
- ◆ Mid-Course and final tests conducted to ensure the learning of the course objectives.



The students who aspire to pursue a career in the field of industrial automation are required to be well acquainted with the basic knowledge of essential components of industrial automation such as Hydraulic & pneumatic devices, Programmable Logic Controller (PLC), industrial drives and human machine interface. In view of this, the training on these aspects of industrial automation has become need of the hour.

Duration of the Industrial Internship for Post Graduate Students (M. Tech.): 16 Weeks (03 Hours per day)

Target: M.Tech. with stream in Electronics and Communication, Telecommunication, Instrumentation and Electronics, Electrical Engineering, Mechanical Engineering

Training fees: Rs. 10000/-

Duration of the Industrial Internship for Under Graduate Students (B. E.) : 2 Weeks (06 Hours per day)

Target: Electronics and Communication, Telecommunication, Instrumentation and Electronics, Electrical Engineering, Mechanical Engineering.

Training fees: Rs. 3000/-



PG Internship Last date for Application submission: 04-06-2017 UG Internship Last date for Application submission: 24-06-2017
Commencing Date: 19-06-2017 Commencing Date: 01-07-2017

Contact Persons

Dr. A.V. Sutagundar
Prof. Veerendrakumar
Dr. S. M. Jigajinni

Cell Numbers

9845792884
9448336646
9880028244

Email Id's

sutagundar@gmail.com
cmveerendra@gmail.com
siddujigajinni@gmail.com

Course contents

Introductory course on Industrial Automation (module: PLC & Mechatronics)

(Duration: 4 days)

Introduction to Automation Technology

- Objectives of Automation
- Benefits of Automation
- Introduction to basic components of hydraulics and pneumatics
- Fundamentals of Electro-pneumatics and electro-hydraulics

Relay and contactors working principle

- Logic development using relay contactors

Introduction to PLC

- History of PLC
- Difference between relay contactor & PLC logic
- PLC architecture
 - Specifications of Bosch Rexroth PLC series
- Advantages and disadvantages

Basic Programming of PLC

- Ladder programming
- Installation of Indra Logic software
- Ladder programming using Indra Logic software
- Introduction to other PLC programming languages

Demonstration of Bosch Rexroth Mechatronics Kit

Course contents

Introductory course on Industrial Automation (module: hydraulics and pneumatics)

(Duration: 4 days)

Introduction to Automation Technology

- Objectives of Automation
- Benefits of Automation
- Introduction to basic components of hydraulics and pneumatics

Module A: Introduction to Hydraulic systems

- Components, Application areas, advantages and disadvantages

Physical fundamentals and principles

- Pascal's law, Orifice theory
- Hydraulic pumps
- Gear, Vane and Piston pumps

Control elements

- Directional Control Valves,
- Pressure Control Valves
- Flow Control Valves

Electrical Actuators

- Introduction, types, Relays and solenoids

Hydraulic accumulators and their applications

- Function, energy storage, applications, selection of accumulators

Introduction to hydraulic motors

- Basic principles and design, Gear motors, LSHT motors, multi-stroke piston motors, radial piston motors

Filters and Filtration Technology

- Causes of contamination, Filtration methods, types of filters, pressure filters, filter testing

Basic principles of electro-hydraulics

- Basic components and circuits, electrical self – locking, momentary contact limit switches, capacitive proximity switches, Inductive proximity switches

Module B: Introduction to Pneumatics

- Pneumatic symbols, compressed air theory, purification and distribution

Control elements

DCVs and FCVs with applications, Identification of pneumatic valves, components, construction of basic circuits

Introduction to electro-pneumatics

Introduction to PLC programming

Hands on Practice

Pneumatics

1. Direct control of a single acting cylinder – Extending
2. Direct control of a single acting cylinder – Retracting
3. Indirect control of a single acting cylinder
4. Regulating the speed of a single acting cylinder
5. Slow speed extension, Rapid retraction of a single acting cylinder
6. Direct control of a double acting cylinder with push button
7. Indirect control of a double acting cylinder
8. Speed regulation of a double acting cylinder
9. Controlling a double – acting cylinder, impulse valve, 2 push-buttons
10. Displacement-dependent control of a double-acting cylinder, impulse valve
11. Controlling a double-acting cylinder, impulse valve, 2 reflex nozzles
12. Stop control, double acting cylinder, 5/3 directional control valve, tensile load
13. Pressure-dependent control of 1 double-acting cylinder
14. Time-dependent control of 1 double-acting cylinder
15. Sequential control of two double acting cylinders

Electro – pneumatics

1. Command variable control of a single acting cylinder with spring return valve
2. Command variable control of a Double acting cylinder with spring return valve
3. Holding element control of a double acting cylinder with impulse valve, directly controlled
4. Holding element control of a double acting cylinder with impulse valve, relay
5. Basic Circuit with AND function
6. Basic Circuit with OR function
7. Basic circuits with electric latching circuits
8. Displacement dependent control of a double acting cylinder with 1 electric limit switch
9. Displacement dependent control of a double acting cylinder, impulse valve, cylinder switch
10. Displacement dependent control of a double acting cylinder with spring return valve, cylinder switch
11. Stop control of a double acting cylinder with a 5/3 DCV in closed mid-position
12. Time-dependent control of a double acting with switch on delay
13. Time-dependent control of a double acting with switch off delay
14. Two Hand Safety Control
15. Sequential control of two double acting cylinders



AICTE
IDEALab



B.V.V.S

eYantra

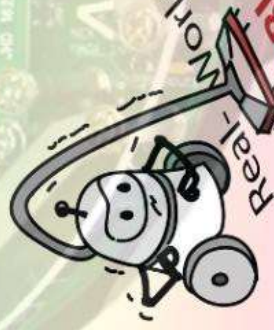
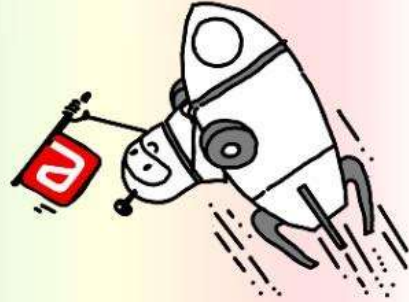
BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT - 587102

BEC-IDEA LAB IN ASSOCIATION WITH E-YANTRA LAB

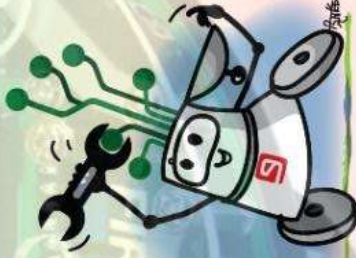
Skilling Programme on

Embedded Systems and Robotics

Date : 19th - 24th September 2022



Real-World
PROBLEM
Solving Skills



Basaveshwar Engineering College (Autonomous), Bagalkot
BEC-IDEA and e-Yantra Laboratory

Skilling Workshop on “Embedded Systems and Robotics”

19-09-2022 to 24-09-2022

Day	Session 1 (10.30am to 11.45pm)	Session 2 (12.00pm to 01.00)	Session 3 (02.30pm to 3.30pm)	Session 4 (3.45pm to 5.00pm)
Day 1	Introduction to AI & Robotics (Dr. Bharati Reshmi)	Introduction to BEC Eyantra and IDEA Lab (Dr. Manjula Sutagundar)	Embedded C (Prof. S. S. Yendigeri)	Programming Fire Bird V Robot (Prof. S. S. Yendigeri)
Day 2	Timer and Buzzer Programming on Fire Bird V Robot (Dr. Manjula Sutagundar)	Interrupt Control (Prof. S. S. Yendigeri)	Motion Control (Prof. Smita Gour)	Sensors on Fire Bird V Robot (Dr. Manjula Sutagundar)
Day 3	White Line Sensors (Dr. Manjula Sutagundar)	Speed Control (Prof. S. S. Yendigeri)	Camera Interfacing (Prof. Smita Gour)	Gripper Interfacing (Prof. Smita Gour)
Day 4	Communication using ZigBee (Prof. Smita Gour)	Programming assignment	3D printer demonstration (Prof. H. R. Patil)	Mini project assignment and problem definition (Dr. Bharati Reshmi)
Day 5	Introduction to IOT kit using Raspberry Pi and Hands on exercises on IOT programming (1) (Prof. Basavraj A)	Hands on exercises on IOT programming (2) (Prof. Basavraj A)	Hands on exercises on IOT programming (3) (Dr. Bharati Reshmi)	Hands on exercises on IOT programming (4) (Dr. Bharati Reshmi)
Day 6	Project Implementation	Project Implementation	Project Demonstration	Valedictory

B.V.V. Sangha's
Basaveshwar Engineering College, Bagalkot-587103
Department Electronics and Communication



Report

Student Development Programme

on

Corporate C Programming

(15th July 2020 to 23rd October 2020)

Resource Person

Ramakrishna D.

Telit Communications Pvt. Ltd. Bangaluru

Prelude

C is the mother of all languages and several reasons to consider learning C is that it makes our fundamentals very strong. C was designed to implement the Unix OS (Which also forms a base for Linux) and C sits close to the OS which makes it an efficient language because of its efficient system level resource management. Another excellent usage of C is that C programming language is not limited to but used widely in operating systems, language compilers, network drivers, language interpreters, and system utilities areas of development.

The reasons to use C for the following:

1. **C is one of the foundations for modern information technology (IT) and computer science(CS).**

Many working principles of IT and CS, such as programming languages, computer architectures, operating systems, network communication, database, graphical user interface (GUI), graphics, image processing, parallel processing, multi-threads, real-time systems, device drivers, data acquisition, algorithms, numerical analysis, and computer game, are based on or reflected in the functionalities and features of C. The experience in C will help students understand the working principles of these important concepts in IT and CS. Therefore, C is required for the CS major in almost all universities.

2. **C is the most commonly used programming language in industry.**

Academic institutions have a mission to teach technologies that are widely used in the real world so that students have the skills and knowledge that employers need. More than 90 percent of the programs running on our desktops, from operating systems and e-mail clients to Web browsers and word processors, are written in C or its relative, C++ which has extensions to C. Most games and underlying robot control software are written in C or C++. With the knowledge of C, students will not only be able to play games and robots, but also understand their underlying working principles and potentially develop their own games and robots.

3. **C is the language of choice for programming embedded and mechanization systems with hardware interfaces.**

4. **C is one of the most commonly used programming languages in colleges and universities.**

Computer programming is an essential skill for advanced studies in Science, Technology, Engineering, and Mathematics (STEM) fields. Like in industry, C is also one of the most commonly used programming languages in colleges and universities for teaching and research.

5. **C is the base for almost all popular programming languages.**

C is the language of choice for system programming. Because of the performance and portability of C, almost all popular cross-platform programming languages and scripting languages, such as C++, Java, Python, Objective-C, Perl, Ruby, PHP, Lua, and Bash, are implemented in C and borrowed syntaxes and functions heavily from C. They share the

similar operators, expressions, repetition statements, control structures, arrays, input and output, and functions.

6. **Once students have learned C, they can pick up any other languages by themselves.**
7. **C is a standardized programming language with international standards.**
8. **Computer programming is becoming a necessary skill for many professions.**
Writing computer programs is essential to solving complex science and engineering problems. Many principles and concepts in STEM disciplines can be illustrated and reinforced through writing programs. C and C++ are more widely used in STEM fields than any other programming languages such as Java, Fortran, or Matlab.
9. **Computer programming can develop student's critical thinking capabilities.**

Objectives

The primary objectives of the training programme are:

- To enhance the knowledge about C programming language.
- To bridge the gap between industry and academia.
- To interact with experts from industry to understand the needs of the industry from the fresh graduate engineers.
- To promote need based technology in IT.
- To apply the logical skills for developing the projects in specialized areas.

Participants

The students of Electronics and Communication Engineering, Information science and Electronics, Instrumentation departments, three faculty members our institute and professional working in the industry have participated in this training programme.

Resource Persons:

The distinguished resource persons of the training programme are as follows:

1. **Ramakrishna D.** Telit Communications India Pvt. Ltd. Bangaluru
2. **Aravinda Reddy T.** Senior Technical Lead, Telit Communications India Pvt. Ltd. Bangaluru

Ramakrishna D. is our proud alumini our department (E&CE) passed out in the year 2001. He was very much committed in timing, preparing the course material and delivering the nice presentations. He taught the programming concepts in depth with several analogies, which helped to enrich the logical skills. He was also instrumental in introducing his senior manager Mr. Aravind Reddy T to deliver the invited talks on developing optimal programming. Being Proud alumni of our department Mr. Ramakrishna D has served his best to contribute to the learnt institute.

Online Platform used:

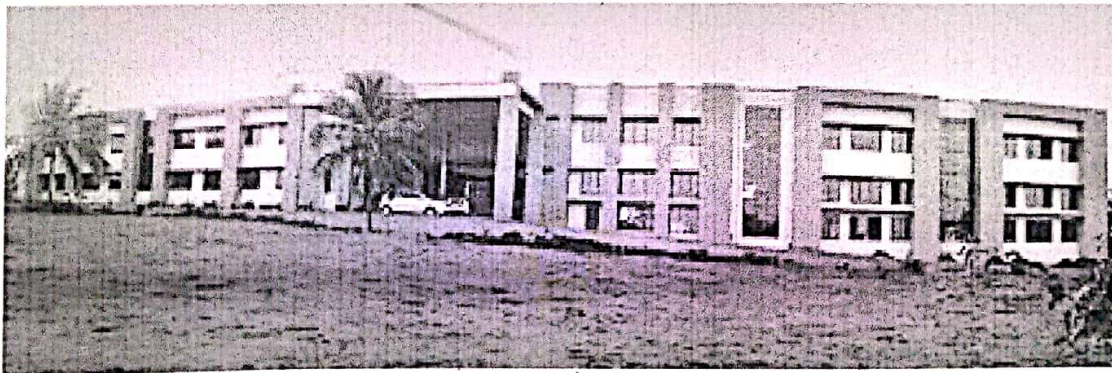
The **GoogleMeet** platform is used for conduction of the online classes. **GCC** and online **GDB** compilers have been used for the hands on (programming).



B. V. V. Sangha's

**Basaveshwar Engineering College (Autonomous),
Bagalkot-587 103, Karnataka, India**

A Report of
NASSCOM Future Skill Training Programme
On
“Artificial Intelligence and Machine Learning”,
under TEQIP phase- III
(22nd February 2021 to 16th March 2021)



Basaveshwar Engineering College (Autonomous), Bagalkot.

BVVS



Basaveshwara Engineering College, Bagalkot (Autonomous)

NASSCOM Future Skill Training Programme under TEQIP phase III

3 Weeks STTP on Artificial Intelligence and Machine Learning

(22-02-2021 to 16-03-2021)

Week 1		
Date	Time	
	6:00 pm to 7:00 pm	7:00 pm to 8:00 pm
23-02-2021	History of AI	Computing with Python
24-02-2021	Introduction to Linear algebra	Computing with Python
25-02-2021	Introduction to Probability	Computing with Python
26-02-2021	Search Algorithms	Search Algorithms
27-02-2021	Search Algorithms	Search Algorithms
28-02-2021	Introduction to ML (Classification, Regression and Clustering)	Computing with Python
Week 2		
01-03-2021	Linear Regression 1	Computing with Python
02-03-2021	Linear Regression 2	Computing with Python
03-03-2021	Classification 1 KNN	Computing with Python
04-03-2021	Classification 2 Bayes classifier	Computing with Python
05-03-2021	Neural Network 1	Computing with Python
06-03-2021	Neural Networks 2	Computing with Python
07-03-2021	Neural Networks 3	Computing with Python
Week 3		
08-03-2021	Neural Networks 4	Computing with Python
09-03-2021	Deep learning architecture, Training DNN, Hyper parameters	Computing with Python
10-03-2021	Un supervised Deep learning	Computing with Python
11-03-2021	Perception: Problems related to Text	Computing with Python
12-03-2021	Problem related to Image and Speech	Computing with Python
13-03-2021	Planning under uncertainty and Markov decision process	Computing with Python
14-03-2021	Partially observable MDP'S and Multi agent systems-1	Computing with Python
15-03-2021	Partially observable MDP'S and Multi agent systems-2	Computing with Python
16-03-2021	Partially observable MDP'S and Multi agent systems-3	Computing with Python

FST on CyberSecurity Time Table

Sessions	Module Covered	Date	Time
1.	Fundamentals of Computer Networks	04-07-2020	11AM to 12 Noon
2.	Fundamentals of Computer Networks	04-07-2020	4 PM to 5PM
3.	Fundamentals of Computer Networks	05-07-2020	11AM to 12 Noon
4.	Fundamentals of Computer Networks	05-07-2020	4 PM to 5PM
5.	Fundamentals of Computer Networks	06-07-2020	11AM to 12 Noon
6.	Fundamentals of Computer Networks	06-2020	4 PM to 5PM
7.	Network Layers	07-07-2020	11AM to 12 Noon
8.	Network Layers	07-07-2020	4 PM to 5PM
9.	Network Layers	08-07-2020	11AM to 12 Noon
10.	Network Layers	08-07-2020	4 PM to 5PM
11.	Network Layers	09-07-2020	11AM to 12 Noon
12.	Network Layers	09-07-2020	4 PM to 5PM
13.	Network Layers	10-07-2020	11AM to 12 Noon
14.	Network Layers	10-07-2020	4 PM to 5PM
15.	Protocols and Cyber Security Vulnerabilities	13-07-2020	11AM to 12 Noon
16.	Protocols and Cyber Security Vulnerabilities	13-07-2020	11AM to 12 Noon
17.	Protocols and Cyber Security Vulnerabilities	14-07-2020	11AM to 12 Noon
18.	Protocols and Cyber Security Vulnerabilities	15-07-2020	11AM to 12 Noon
19.	Protocols and Cyber Security Vulnerabilities	16-07-2020	11AM to 12 Noon
20.	Protocols and Cyber Security Vulnerabilities	17-07-2020	11AM to 12 Noon
21.	Protocols and Cyber Security Vulnerabilities	20-07-2020	11AM to 12 Noon
22.	Protocols and Cyber Security Vulnerabilities	21-07-2020	11AM to 12 Noon
23.	Essential for understanding cyber security	22-07-2020	11AM to 12 Noon

FST on CyberSecurity Time Table

	understanding cyber security		
25.	Essential for understanding cyber security	24-07-2020	11AM to 12 Noon
26.	Essential for understanding cyber security	27-07-2020	11AM to 12 Noon
27.	Essential for understanding cyber security	28-07-2020	11AM to 12 Noon
28.	Essential for understanding cyber security	29-07-2020	11AM to 12 Noon
29.	Essential for understanding cyber security	30-07-2020	11AM to 12 Noon
30.	Essential for understanding cyber security	31-07-2020	11AM to 12 Noon
31.	Essential for understanding cyber security	31-07-2020	4PM to 5PM
32.	Essential for understanding cyber security	04-08-2020	11AM to 12 Noon
33.	Cyber Security, Cryptography, and Firewalls	04-08-2020	4PM to 5PM
34.	Cyber Security, Cryptography, and Firewalls	05-08-2020	11AM to 12 Noon
35.	Cyber Security, Cryptography, and Firewalls	06-08-2020	11AM to 12 Noon
36.	Cyber Security, Cryptography, and Firewalls	07-08-2020	11AM to 12 Noon
37.	Cyber Security, Cryptography, and Firewalls	10-08-2020	11AM to 12 Noon
38.	Cyber Security, Cryptography, and Firewalls	12-08-2020	11AM to 12 Noon
39.	Cyber Security, Cryptography, and Firewalls	13-08-2020	11AM to 12 Noon
40.	Cyber Security, Cryptography, and	14-08-2020	11AM to 12 Noon

FST on CyberSecurity Time Table

Firewalls			
41.	System and Server Security	17-08-2020	11AM to 12 Noon
42.	System and Server Security	18-08-2020	11AM to 12 Noon
43.	System and Server Security	19-08-2020	11AM to 12 Noon
44.	System and Server Security	20-08-2020	11AM to 12 Noon
45.	System and Server Security	21-08-2020	11AM to 12 Noon
46.	System and Server Security	24-08-2020	11AM to 12 Noon
47.	System and Server Security	25-08-2020	11AM to 12 Noon
48.	System and Server Security	26-08-2020	11AM to 12 Noon
49.	Malware Concepts and Cyber Security Management	27-08-2020	11AM to 12 Noon
50.	Malware Concepts and Cyber Security Management	28-08-2020	11AM to 12 Noon
51.	Malware Concepts and Cyber Security Management	01-09-2020	11AM to 12 Noon
52.	Malware Concepts and Cyber Security Management	02-09-2020	11AM to 12 Noon
53.	Malware Concepts and Cyber Security Management	03-09-2020	11AM to 12 Noon
54.	Malware Concepts and Cyber Security Management	04-09-2020	11AM to 12 Noon
55.	Malware Concepts and Cyber Security Management	07-09-2020	11AM to 12 Noon
56.	Malware Concepts and Cyber Security Management	08-09-2020	11AM to 12 Noon
57.	Malware Concepts and Cyber Security Management	09-09-2020	11AM to 12 Noon
58.	Web Services and Cyber Laws	10-09-2020	11AM to 12 Noon
59.	Web Services and Cyber Laws	11-09-2020	11AM to 12 Noon
60.	Web Services and	14-09-2020	11AM to 12 Noon

FST on CyberSecurity Time Table

	Cyber Laws		
61.	Web Services and Cyber Laws	15-09-2020	11AM to 12 Noon
62.	Web Services and Cyber Laws	16-09-2020	11AM to 12 Noon





B. V. V. Sangha's

**Basaveshwar Engineering College (Autonomous),
Bagalkot-587 103, Karnataka, India**

A Report of
NASSCOM Future Skill Training Programme
On
“Data Science and Analytics”,
under TEQIP phase- III
(22nd February 2021 to 17th March 2021)



Basaveshwar Engineering College (Autonomous), Bagalkot.

CURRICULUM: DATA SCIENCE AND DATA ANALYTICS

DURATION

10 Days

60 Hours (40:Lectures [L], 20:Coding sessions [C])

PRE-REQUISITES

- Introduction to Programming
- Probability

OBJECTIVES

The objective of this course is to impart necessary knowledge of the mathematical foundations needed for data science and develop programming skills required to build data science applications.

LEARNING OUTCOMES

At the end of this course, the students will be able to:

- Demonstrate understanding of the mathematical foundations needed for data science.
- Collect, explore, clean, munge and manipulate data.
- Implement models such as k-nearest Neighbors, Naive Bayes, linear and logistic regression, decision trees, neural networks and clustering.
- Build data science applications using Python based toolkits.

DETAIL CONTENTS

1. Introduction to Data Science

L:1Hr

Concept of Data Science, Why/When/What, application in real scenarios.

2. Programming Tools for Data Science

C:6Hr

- a. Basics of Python (file handling, case-folding, spell check, split, strip, Regex, find, replace, etc.)
- b. Toolkits using Python: Matplotlib, NumPy, Scikit-learn, NLTK
- c. Visualizing Data: Bar Charts, Line Charts, Scatterplots
- d. Working with data: Reading Files, Scraping the Web, Using APIs (Example: Using the Twitter APIs), Cleaning and Munging, Manipulating Data, Rescaling, Dimensionality Reduction

3. Mathematical Foundations

L:12Hr

- a. Linear Algebra: Vectors, Matrices
- b. Multivariate calculus
- c. Statistics: Describing a Single Set of Data, Correlation, Simpson's Paradox, Correlation and Causation
- d. Probability: Dependence and Independence, Conditional Probability, Bayes's Theorem, Random Variables, Continuous Distributions, The Normal Distribution, The Central Limit Theorem
- e. Hypothesis and Inference: Statistical Hypothesis Testing, Confidence Intervals, P-hacking, Bayesian Inference
- f. Optimization: Unconstrained, Constrained, KKT conditions

4. Machine Learning

L:25Hr + C:10Hr

- a. Overview of Machine learning concepts – Bias/variance, overfitting and train/test splits.
- b. Types of Machine learning – Supervised, Unsupervised, Semi-supervised.
- c. Classification and Regression algorithms-Naïve Bayes, K-Nearest Neighbors, logistic regression, support vector machines (SVM), decision trees and induction rules, Hidden Markov Models
- d. Metrics
- e. Introduction to Bayes Theorem
- f. Linear Regression-model assumptions
- g. Regularization (lasso, ridge, elastic net) from both the statistical and Bayesian inference viewpoint
- h. Analysis of Time Series
- i. Bagging and Boosting (to balance bias and variance) and random forest
- j. Neural Networks-Learning And Generalization, Overview of Deep Learning
- k. Unsupervised learning: KMeans and Hierarchical clustering
- l. Reinforcement learning

5. Case Studies of Data Science Applications and Project

L:2Hr + C:4Hr

Weather forecasting, Stock market prediction, Object recognition, Real Time Sentiment Analysis, etc.

(SAMPLE) LIST OF PRACTICALS

1. Write a programme in Python to predict the class of the flower based on available attributes.
2. Write a programme in Python to predict if a loan will get approved or not.
3. Write a programme in Python to predict the traffic on a new mode of transport.
4. Write a programme in Python to predict the class of user.
5. Write a programme in Python to identify the tweets which are hate tweets and which are not.
6. Write a programme in Python to predict the age of the actors.
7. Mini project to predict the time taken to solve a problem given the current status of the user.



Basaveshwar Engineering College(Autonomous), Bagalkot-03
[TEQIP Lead Institute, Govt. Aided Institution, AICTE Recognized, Affiliated to VTU Belgaum]

Daily schedule of activities to be covered in the Three weeks SDP on IoT

Day	Time	Topics
Day 1 17-08-2020	11:00am -2:00pm	<i>IoT Introduction and Fundamentals</i>
	4:15pm -5:15pm	Practice Session 1
Day 2 18-08-2020	11:00am -1:00pm	Sensors: types, signal types, shape and strength
	4:15pm -5:15pm	Practice Session 2
Day 3 19-08-2020	11:00am -1:00pm	Sensor non-idealities: Sensitivity and offset drift, noise, minimum detectable signal, nonlinearity
	4:15pm-5:15pm	Practice Session 3
Day 4 20-08-2020	11:00am -1:00pm	Read-out circuits: Instrumentation-amplifier, SNR definition, noise-bandwidth-power tradeoff
	4:15pm-5:15pm	Practice Session 4
Day 5 21-08-2020	11:00am -1:00pm	Circuit component mismatch and mitigation techniques (calibration, chopping, autozeroing etc.)
	4:15pm-5:15pm	Practice Session 5
Day 7 24-08-2020	11:00am -1:00pm	Power/energy considerations
	4:15pm-5:15pm	Practice Session 7
Day 8 25-08-2020	11:00am -2:00pm	Basic signal processing (filtering, quantization, computation, storage)
	4:15pm-5:15pm	Practice Session 8
Day 9 26-08-2020	11:00am -1:00pm	Review of Communication Networks, Challenges in Networking of IoT Nodes, range, bandwidth
	4:15pm-5:15pm	Practice Session 9
Day 10	11:00am -1:00pm	Machine-to-Machine (M2M) and IoT Technology Fundamentals, Medium Access Control (MAC) Protocols for M2M Communications 2 of 2

27-08-2020	4:15pm-5:15pm	Practice Session 10
Day 11 28-08-2020	11:00am -1:00pm	Standards for the IoT, Basics of 5G Cellular Networks and 5G IoT Communications, Low-Power Wide Area Networks (LPWAN). Wireless communication for IoT: channel models, power budgets, data rates
	4:15pm-5:15pm	IoT Security and Privacy, MQTT Protocol, Publisher and Subscriber Model Practice Session 11
Day 13 2-09-2020	11:00am -1:00pm	Cloud computing platform (open source) and local setup of such environment Embedded software relevant to microcontroller.
	3:15pm-5:15pm	Practice Session 13
Day 14 3-09-2020	11:00am -1:00pm	IoT platforms (enterprise or consumer), user interfaces.
	3:15pm-5:15pm	Practice Session 14
Day 15 4-09-2020	11:00am -1:00pm	Statistics relevant to large data
	3:15pm-5:15pm	Practice Session 15
Day 16 5-09-2020	11:00am -1:00pm	Linear regression
	3:15pm-5:15pm	Practice Session 16
Day 17 7-09-2020	11:00am -1:00pm	Basics of clustering, classification
	3:15pm-4:15pm	Practice Session 17

Theory Online – 40 hrs, Lab Demos Online - 10 hrs

BVVS



**BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS),
BAGALKOT**

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

A Report on

Induction Program

for the 1st year B. E. students of 2018-19 10th to 18th August 2018

Coordinator

Prof. M.C.Aralimarad

HOD

Dr. P.N. Kulakarni

BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

**A Report on Induction Program for the 1st year B. E. students
of 2018-19 10th to 18th August 2018**

Department level induction program started from 10th August 2018. The first session of Induction program was taken by the in house resource person Prof.S.M.Iddalagi on “Introduction to Department and scope of Electronics and Communication Engineering”. The departmental facilities, scope and challenges in the field of Electronics and Communication engineering was presented by the Resource person. In the Afternoon session “Public speaking” activity was conducted by Prof.Mamata S.J, Prof.Ajaykumar C.K. and Prof.Sharanappa P.H. in department. Based on the performance of individual student, valuable information has been given by the resource persons to improve their public speaking skill. Third Session “Personality Representation” was conducted by Dr.S.G.Kambalimath and Dr.M.S.Kakkasgeri.

On second day 11th August 2018, first session was on “Higher Education and Career Options” taken by Dr.Shridhar K. After the completion of their BE, available opportunities for higher education are dealt in the session. Also apart from IT industry, information of other career opportunities available in the society was conveyed by the resource person. Second session in morning was on “Motivation” which was taken by Dr.S.G.kambalimath. Difference between External and internal motivation and how to stay motivated was beautifully explained by the resource person. The day was ended with the session “Purpose and Goal” which was taken by Dr.S.G.kambalimath, Prof.S.V.Hanji, Prof.Ajaykumar C.K. and Prof.Poornima.

Third day 13th August 2018 session started in the afternoon. First session was taken by Dr.P.N.Kulkarni on “Morals and Ethics”. How to get high morals and strong work ethics was shared by the resource person. The day ended with the session on “Rules of BEC autonomy” by Dr.Jayashree Mallapur. In order to help the students, different rules,

regulations and facilities available in the college and departmental level was conveyed by the resource person.

On fourth day 14th August 2018 session started in the afternoon. First session was taken by Shri.Prasad Umarji on “Demo of Basic devices and instruments”. The working and how to handle instruments and operate them was explained by the resource person. In the Second session students were divided in three batches B1,B2 and B3 . In this session each batch was taken to 3 different labs(CN Lab, VLSI Lab and Communication Lab) and introduction of the labs were given by the Lab incharges according to the time schedule. The day ended with the third session on “Lab demonstration” by respective lab incharges according to the time schedule.

On fifth day 16th August 2018 session started in the afternoon. The session on “Lab demonstration” by respective lab incharges according to the time schedule was carried.

On sixth day 16th August 2018 session started in the afternoon. In the first session each batch was taken to 3 different labs and introduction of the labs were given by the Lab incharges according to the time schedule. The day ended with the second session on “Lab demonstration” by respective lab incharges according to the time schedule was carried.

On last day of induction program 17th August 2018 the first session was on “Time Management” by Dr.A.V.Sutagundar. How to get rid of stress and how to maintain the time to achieve goals in the life was beautifully explained by the resource person. The Last session was the Feedback and was conducted by Dr.P.N.kulkarni and Prof.M.C.Aralimarad.

The details of the session were attached.

Basaveshwar Engineering College (A), Bagalkot
Phase-I Induction Program for first semester BE students

MASTER TIME-TABLE

Sl. No	Date	Day	Time	Details	Venue
1	29,30-7-2019	Mon,Tuesday	03.00 - 05.00 PM	Faculty HRD Training	TPC
2	31-7-2019	Wednesday	10.00 -11.30 AM	Registration	Department wise
			11.30-12.30 PM	Introduction to Induction Program	Gallery Hall
			02.00 - 04.00 PM	Campus Tour	From Dept.- Campus
3	1-8-2019 to 8-8-2019	Thursday to Thursday	6.30 -8.00 AM 8.00-10.00 AM 10.00-11.00 AM 11.00-12.30 PM 12.30-01.45 PM 2.00-3.30 PM 3.30-3.45 PM 3.45-5.15 PM	Session-I Art of Living (SELP) Break Session - II Session - III Lunch Break Session - IV Break Session – V Annexure-I and Annexure-III	Class rooms and department
4	9-8-2019 to 11-8-2019	Friday to Sunday	8.30 AM -5.00 PM	HRD Training Annexure-II	Gallery hall and Class Rooms
5	11-8-2019	Sunday	10.00AM -12.00 Noon 2.00- 5.00 PM	Parent's Meet Valediction	Gallery hall
6	13-8-2019	Tuesday	8.00 AM to 12.15 PM 2.30 PM to 4.30PM	Commencement of Classes Diagnostic Test	Main Building
7	15-8-2019	Thursday	8.00 AM 10.00-12.30	Flag Hoisting NSS Activities	Main Building

(4-8-2019, Sunday and 12-8-2019, Monday Holidays)

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

1-8-2019 to 8-8-2019

Annexure-I

Activities Schedule

Batch- AU & IPE

No	Date and Day	6.30 -8.00 AM Session-I 1&1/2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session-II 1hr	11.00 to12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/4hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30 to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Utilities Tour	Lunch Break	Research & Development Activities	Break	Language lab Language Proficiency
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Autonomy Exam System	Lunch Break	Dept. Student Associations	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Departmental Laboratories	Lunch Break	IEEE/ISTE/IE SEA/ Alumni	Break	TPC Activities
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Internship & Incubation	Lunch Break	Visual performing Arts	Break	Gymkhana playground
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Entrepreneurship, IIPC	Lunch Break	Computer Knowledge	Break	Library Facilities
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Save Water, Energy Environment,	Lunch Break	Pick & Speak	Break	Anti ragging & Sexual Harassment
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Creativity	Lunch Break	STEP/RDF/IAS/ KAS, Coaching	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

**Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.
HRD Training: Course Design, Contents and Duration**

Annexure-II 1/3

DATE	No	Topic	Duration	Time	Details	Methodology
		Inaugural program	90 min	8.30-10am		
9 . 8 . 2 0 1 9	1	Ice breaking	75 min	10-11.15am	Warm up. introduction	Biscuits, Chocolates
		Tea Break	20 min			
	2	Perception	60 min	11.35-12.35pm	Viewing pictures, Change	Participation
	3	Positive Thinking	40 min	12.35-1.15pm	Story	Discussions
		Lunch Break	60 min			
	4	Triple filter	30 min	2.15-2.45pm	Story reading, discussions	Presentation
	5	Goal setting	60 min	2.45 -3.45	Story, GD	Balloon & pin
		Tea Break	20 min	3.45-4.05		
	6	Time management	60 min	4.05-5.05	PPT	Glass & pebbles, sand etc
		Total duration	515 min			(+ or – 15 minutes)

**Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.
HRD Training : Course Design, Contents and Duration**

Annexure-II 2/3

DATE	No	Topic	Duration	Time	Details	Methodology
10 . 8 . 2 0 1 9	1	Building Relationship	45 min	8.30-9.15am	Ppt, Discussions	Making decision,
	2	Communication	90 min	9.15-10.45 am	Concept, Types, body language	Paper tearing exercise, How good a communicator, reader questionnaire
		Tea Break	20 min	10.45-11.05am		
	3	Group dynamics	60 min	11.05 -12.05pm	Group Discussion	Presentation
	4	Leadership Styles	55 min	12.05-1.00pm	Push, pull Exercise	Questionnaire
		Lunch Break	60 min	1pm – 2pm		
	5	Creativity	90 min	2.-3.30pm	Bottle, Four square, Story making	Presentation
		Tea Break	20 min	3.30- 3.50pm		
	6	Problem Solving	70 min	3.50-5.pm	Concept, game,	Mullah stories, GD, Presentation
		Total Duration	510 min			(+ or – 15 minutes)

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

HRD Training : Course Design, Contents and Duration

Annexure-II 3/3

11 . 8 . 2 0 1 9	1	MILLY	75 min	8.30 -9.45am	Presentation by students	Brown Sheets +Sketch Pens
	2	Public speaking	90 min	9.45-11.15am	By each participants	Topics
		Tea Break	15 min	11.15 -11.30		
	3	Motivation	45 min	11.30-12.15pm	Mynah & Elephant	GD & Presentation
	4	Conclusion	45 min	12.15 – 1pm	Videos	Videos
		Lunch Break	60.m in	1.-2.pm		
	5	Feedback & Valedictory	150 min	2-4.30pm		Valediction, Experience Sharing Gallery Hall/ Main Bldg.Quadrangle
		Tea & disperse				
		Total duration	480 min		(+ or – 15 minutes)	

List of Activities

Annexure-III

College level Activities	Department level Activities
SELP-Art of Living	Quiz, Aptitude Puzzle solving
Sports facility presentations, Indoor games and outdoor games Formation of College Team/Department team Conducting Friendly match Dr. Mahabaleshwar, Mr.Ganesh Kori	Academic Autonomous guidelines, Examination guidelines, IPR Departmental RND activities, Publications, Awards and achievements
Universal Human Values Lecture on Patriotism	Utilities Tour, Autonomy, Exam System, Dept.Association, Lab Visit, Visual Performing Arts, Pick and speak
Research & Development Activities Dr. Suresh Jangamashetti	Event/ Time Management Skills,
Library activities: Presentation and visit Dr.Shreekant Karkoon	Computer Knowledge : Microsoft ,PPT, Excel ,solid edge, mat lab, Technical Surfing, Auto cab, Linux
Placement activities: Presentation and interaction :Dr.Shrinivas Balli	Self discipline, mind control, moral and ethical values, Responsibility sharing, Respecting elders, forgiveness
Language Proficiency and Language Lab Dr. Meti and Mr. Siddanagaoda	Departmental association and Alumni associations activities Food habits
NSS activities: Presentation, Plantation of trees, Cleaning campus Blood Donation camp/ Indian Red cross Prof. S.K.Patil & Dr.Biradar	Creativity: Individuals and group Visual performances, Music /Dance/Singing /Pottery / Painting/ Rangoli/ Mono act Drama /Play/Debate/Writing/Reading/Essay Poetry
IIPC, Entrepreneurship: Prof.V.S.Puranik	Visit to Places like: Schools, Orphanages ,Old age home, Special children's, Historical Places
IEEE/ISTE/IE/Alumni Association : IEEE Volunteers	
Anti ragging, Fear/crisis&anti sexual harassment Prof.P.L.Timmangoudar & Dr.Srilatha Rao	Visit to STEP and RDF Information about IAS and KAS coaching
Health tips and Check up by practicing Doctors Medical College Doctors	
Concluding session, Certificate awarding to the best performed group/individual	Environmental awareness: Presentation, Save Energy, Save Water, Waste Management, Pollution Control
Internship/Incubation/Student Projects Dr.Anil Devanagavi	Feedback, Preparing report, Evaluation of Oral performance, Indoor and Outdoor activities

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- BT & EIE

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	STEP/RDF/IAS/KAS, Coaching	Lunch Break	Utilities	Break	Research & Development Activities
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Language lab Language Proficiency	Lunch Break	Autonomy Exam System	Break	Lecture on patriotism (Gallery Hall)_
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Dept. Student Associations	Lunch Break	Departmental Laboratories	Break	IEEE/ISTE/IE SEA/ Alumni
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	
5	5-8-2019 Monday	SELP	Break	Universal Human Values	TPC Activities	Lunch Break	Internship & Incubation	Break	Visual performing Arts
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Gymkhana playground	Lunch Break	Entrepreneurship, IIPC	Break	Computer Knowledge
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Library Facilities	Lunch Break	Environmental issues, save Environment, Water, Energy	Break	Pick & Speak
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Anti ragging & Sexual Harassment	Lunch Break	Creativity	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- Civil (1)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Creativity	Lunch Break	STEP/RDF/IAS/ KAS, Coaching	Break	Utilities
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Research & Development Activities	Lunch Break	Language lab Language Proficiency	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Dept. Student Associations	Lunch Break	Autonomy Exam System	Break	Departmental Laboratories
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	IEEE/ISTE/IE SEA/ Alumni	Lunch Break	TPC Activities	Break	Internship & Incubation
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Visual performing Arts	Lunch Break	Gymkhana playground	Break	Entrepreneurship, IIPC
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Computer Knowledge	Lunch Break	Library Facilities	Break	Environmental issues, save Environment, Water, Energy
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Pick & Speak	Lunch Break	Anti ragging & Sexual Harassment	Break	Feedback Session

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Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- Civil (2)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session-II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Anti ragging & Sexual Harassment	Lunch Break	Language lab Language Proficiency	Break	STEP/RDF/IAS/KAS, Coaching
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Utilities	Lunch Break	Research & Development Activities	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Autonomy Exam System	Lunch Break	Dept. Student Associations	Break	Creativity
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Departmental Laboratories	Lunch Break	IEEE/ISTE/IESEA/ Alumni	Break	TPC Activities
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Internship & Incubation	Lunch Break	Visual performing Arts	Break	Gymkhana playground
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Entrepreneurship, IIPC	Lunch Break	Computer Knowledge	Break	Library Facilities
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Environmental issues, save Environment, Water, Energy	Lunch Break	Pick & Speak	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- ME (1)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Pick & Speak	Lunch Break	Anti ragging & Sexual Harassment	Break	Creativity
2	2-8-2019 Friday	SELP	Break	Universal Human Values	STEP/RDF/IAS/KAS, Coaching	Lunch Break	Utilities	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Language lab Language Proficiency	Lunch Break	Autonomy Exam System	Break	Dept. Student Associations
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Research & Development Activities	Lunch Break	Departmental Laboratories	Break	IEEE/ISTE/IE SEA/ Alumni
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	TPC Activities	Lunch Break	Internship & Incubation	Break	Visual performing Arts
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Gymkhana playground	Lunch Break	Entrepreneurship, IIPC	Break	Computer Knowledge
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Library Facilities	Lunch Break	Environmental issues, save Environment, Water, Energy	Break	Feedback Session

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Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- ME (2)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Environmental issues, save Environment, Water, Energy	Lunch Break	Pick & Speak	Break	Anti ragging & Sexual Harassment
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Creativity	Lunch Break	STEP/RDF/IAS/ KAS, Coaching	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Research & Development Activities	Lunch Break	Language lab Language Proficiency	Break	Autonomy Exam System
4	4-8-2019 Sunday	Holiday	–	–	–	–	–	–	–
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Dept. Student Associations	Lunch Break	Utilities	Break	Departmental Laboratories
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	IEEE/ISTE/IE SEA/ Alumni	Lunch Break	TPC Activities	Break	Internship & Incubation
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Visual performing Arts	Lunch Break	Gymkhana playground	Break	Entrepreneurship, IIPC
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Computer Knowledge	Lunch Break	Library Facilities	Break	Feedback Session

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Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- ECE (1)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session – II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Library Facilities	Lunch Break	Environmental issues, save Environment, Water, Energy	Break	Pick & Speak
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Anti ragging & Sexual Harassment	Lunch Break	Creativity	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Utilities	Lunch Break	Research & Development Activities	Break	Language lab Language Proficiency
4	4-8-2019 Sunday	Holiday	–	–	–	–	–	–	–
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Autonomy Exam System	Lunch Break	Dept. Student Associations	Break	STEP/RDF/IAS/ KAS, Coaching
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Departmental Laboratories	Lunch Break	IEEE/ISTE/IE SEA/ Alumni	Break	TPC Activities
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Internship & Incubation	Lunch Break	Visual performing Arts	Break	Gymkhana playground
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Entrepreneurship, IIPC	Lunch Break	Computer Knowledge	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- ECE (2)

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Computer Knowledge	Lunch Break	Library Facilities	Break	Environmental issues, save Environment, Water, Energy
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Pick & Speak	Lunch Break	Anti ragging & Sexual Harassment	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	STEP/RDF/IAS/KAS, Coaching	Lunch Break	Utilities	Break	Research & Development Activities
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Language lab Language Proficiency	Lunch Break	Autonomy Exam System	Break	Dept. Student Associations
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Creativity	Lunch Break	Departmental Laboratories	Break	IEEE/ISTE/IE SEA/ Alumni
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	TPC Activities	Lunch Break	Internship & Incubation	Break	Visual performing Arts
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Gymkhana playground	Lunch Break	Entrepreneurship, IIPC	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- EEE

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session – I 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Entrepreneurship, IIPC	Lunch Break	Computer Knowledge	Break	Library Facilities
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Environmental issues, save Environment, Water, Energy	Lunch Break	Pick & Speak	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Creativity	Lunch Break	STEP/RDF/IAS/ KAS, Coaching	Break	Utilities
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Departmental Laboratories	Lunch Break	Language lab Language Proficiency	Break	Autonomy Exam System
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Dept. Student Associations	Lunch Break	Anti ragging & Sexual Harassment	Break	Research & Development Activities
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	IEEE/ISTE/IE SEA/ Alumni	Lunch Break	TPC Activities	Break	Internship & Incubation
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Visual performing Arts	Lunch Break	Gymkhana playground	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- CSE

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Gymkhana playground	Lunch Break	Entrepreneurship, IIPC	Break	Computer Knowledge
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Library Facilities	Lunch Break	Environmental issues, save Environment, Water, Energy	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Anti ragging & Sexual Harassment	Lunch Break	Creativity	Break	STEP/RDF/IAS/KAS, Coaching
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Utilities	Lunch Break	Research & Development Activities	Break	Language lab Language Proficiency
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Autonomy Exam System	Lunch Break	Dept. Student Associations	Break	Pick & Speak
7	7-8-2019 Wednesday	SELP	Break	Universal Human Values	Departmental Laboratories	Lunch Break	IEEE/ISTE/IESEA/ Alumni	Break	TPC Activities
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	Internship & Incubation	Lunch Break	Visual performing Arts	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- ISE

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session –II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Visual performing Arts	Lunch Break	Gymkhana playground	Break	Entrepreneurship, IIPC
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Computer Knowledge	Lunch Break	Library Facilities	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Pick & Speak	Lunch Break	Anti ragging & Sexual Harassment	Break	Creativity
4	4-8-2019 Sunday	Holiday	-	-	-	-	-	-	-
5	5-8-2019 Monday	SELP	Break	Universal Human Values	STEP/RDF/IAS/ KAS, Coaching	Lunch Break	Utilities	Break	Research & Development Activities
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Language lab Language Proficiency	Lunch Break	Autonomy Exam System	Break	Dept. Student Associations
7	7-8-2019 Wednesd ay	SELP	Break	Universal Human Values	Environmental issues, save Environment, Water, Energy	Lunch Break	Departmental Laboratories	Break	IEEE/ISTE/IE SEA/ Alumni
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	TPC Activities	Lunch Break	Internship & Incubation	Break	Feedback Session

SELP: Art of Living Course . Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Phase-I Induction Programme for 1st Year BE students of BEC, Bagalkot.

Annexure-I

1-8-2019 to 8-8-2019

Activities Schedule

Batch- CSE & ISE

No	Date and Day	6.30 -8.00 AM Session-I 2hrs	8.00 to 10.00 AM 2hrs	10.00 to 11.00 AM Session – II 1hrs	11.00 to 12.30 PM Session - III 1&1/2hrs	12.30 to 1.45PM 1&1/2hrs	2.00-3.30 PM Session - IV 1&1/2hrs	3.30to 3.45 PM 15Min	3.45-5.15 PM Session – V 1&1/2hrs
1	1-8-2019 Thursday	SELP	Break	Universal Human Values	Internship & Incubation	Lunch Break	Visual performing Arts	Break	Gymkhana playground
2	2-8-2019 Friday	SELP	Break	Universal Human Values	Entrepreneurship, IPC	Lunch Break	Computer Knowledge	Break	Lecture on patriotism (Gallery Hall)
3	3-8-2019 Saturday	SELP	Break	Universal Human Values	Environmental issues, save Environment, Water, Energy	Lunch Break	Pick & Speak	Break	Anti ragging & Sexual Harassment
4	4-8-2019 Sunday	Holiday	–	–	–	–	–	–	–
5	5-8-2019 Monday	SELP	Break	Universal Human Values	Library Facilities	Lunch Break	STEP/RDF/IAS/ KAS, Coaching	Break	Utilities
6	6-8-2019 Tuesday	SELP	Break	Universal Human Values	Research & Development Activities	Lunch Break	Language lab Language Proficiency	Break	Autonomy Exam System
7	7-8-2019 Wednes day	SELP	Break	Universal Human Values	Dept. Student Associations	Lunch Break	Creativity	Break	Departmental Laboratories
8	8-8-2019 Thursday	Yoga	Break	Universal Human Values	IEEE/ISTE/IE SEA/ Alumni	Lunch Break	TPC Activities	Break	Feedback Session

SELP: Art of Living Course. Main Building Quadrangle

Utilities: Development Office, Bank, ATM, Post Office, Clinic, Stores, Xerox, Canteen, Hostel.

Creativity: Music /Dance/Singing /Pottery / Painting/ Rangoli/ Act/Play/Debate/Writing/Reading/Essay Poetry/Mono act/Drama

Computer Knowledge: MS Office, PPT, Solid edge, Mat lab, Tech Sorting, Auto Cad, Linux.

Basaveshwar Engineering College (A), Bagalkot
Phase-II Induction Program for first semester BE students- 2nd to 14th Jan 2020

MASTER TIME-TABLE

#	Date	Day	Time	Details	Venue
1	30,31-12-2019	Mon,Tuesday	03.00PM - 05.00 PM	Faculty HRD Training	TPC
2	02-01-2020	Thursday	8.00AM- 9.30AM	Registration	Department wise
			10.00AM -10.30 AM	Introduction to Induction Program for morning classes(A,B,C,D,E,F)	Gallery Hall
			10.30AM-11.00 AM	Introduction to Induction Program for Afternoon classes(G,H,I,J,K,L)	Gallery Hall
			11.00AM – 5.45PM	HRD Training (ANX-I)	Allotted class rooms
3	03-01-2020 & 04-01-2020	Friday & Saturday	8.30AM-5.30PM	HRD Training (ANX-I)	Allotted class rooms
4	05-01-2020	Sunday	8.30AM-5.00PM	NSS,RED Cross & Sports activities	Central Act
5	06-01-2020 to 11-01-2020	Monday to Saturday	6.00AM-7.00AM	Yoga	Quadrangles
			8.00 AM -12.15Noon	Theory classes	Respective Class Rooms
			1.30PM - 6.30PM	Induction Program Phase-II (ANX-II)	Department wise
6	12-01-2020	Sunday	8.30AM - 5.00PM	NSS,RED Cross & Sports activities	Central Act
7	13-01-2020	Monday	6.00AM-7.00AM	Yoga	Quadrangles
			8.00 AM -12.15Noon	Theory classes	Respective Class Rooms
			1.30PM-6.30PM	Induction Program Phase-II (ANX-II)	Department wise
8	14-01-2020	Tuesday	6.00AM-7.00AM	Yoga	Quadrangles
			8.00 AM to 12.15 PM	Theory classes	Respective Class Rooms
			1.30PM-4.00PM	Deptl.Activities & Feed back	Department wise
			4.00PM-5.30PM	Valediction	Main-building Quadrangle

Phase-II Induction Programme for 1st Year BE students of BEC, Bagalkot.

05-01-2020 to 14-01-2020

Annexure-II

Activities Schedule

No	Date & Day	6.00 am-7.00am Session-I	8.00am-12.15noon Session-II	1.30pm-3.00 pm Session-III	3.00pm-4.00 pm Session-IV	4.00pm-5.30 pm Session-V	5.30pm-6.30pm Session-VI
1	05-01-2020 Sunday	Yoga	NSS,RED cross & Sports 10.30AM-5.30PM				
2	06-01-2020 Monday	Yoga	Theory classes	Remains of Phase-I	Remains of Phase-I	Departmental Activities	Departmental Activities
3	07-01-2020 Tuesday	Yoga			Power point Presentation	Departmental Activities	Departmental Activities
4	08-01-2020 Wednesday	Yoga		Spoken English	Planning the Day to Day Activities	Departmental Activities	Departmental Activities
5	09-01-2020 Thursday	Yoga		Written Communication		Departmental Activities	Departmental Activities
6	10-01-2020 Friday	Yoga		Sharing of 1st sem Experience	Career planning	Departmental Activities	Departmental Activities
7	11-01-2020 Saturday	Yoga		Competition	Departmental Activities	*Swami Vivekananda-The Youth icon -Sri.Narendra ji	Departmental Activities
8	12-01-2020 Sunday	Yoga		*Motivational Talk -Mr.Chetan Ram 9.00Am-11.00AM		NSS,RED cross & Sports 11.00AM-5.30PM	
9	13-01-2020 Monday	Yoga	Theory classes	Talent Display	Departmental Activities	*Food habits-Dr.Hanumanth Malagi	Departmental Activities
10	14-01-2020 Tuesday	Yoga		Departmental Activities	Feed back	* Valediction	

Yoga Venues:

1. ECE Quadrangle-ECE,IPE & AU students
2. Placement Quadrangle-CSE,ISE & EIE students
3. Main building Quadrangle-ME,EEE,CV & BT students

* Main-building Quadrangle

Sound systems should be arranged at above venues.

Principal

Phase-II Induction Programme for 1st Year BE students of BEC, Bagalkot

HRD Training: Course Design, Contents and Duration

Annexure-I 1/3

2nd Jan 2020

SL.No	Topic	Duration	Time	Details	Methodology
1	Inaugural program	90 min	8.00-9.30AM	Registration	Department wise
		60 min	10.00-10.30 AM	Introduction to Induction Program for morning classes(A,B,C,D,E,F)	Gallery Hall
		60 min	10.30-11.00 AM	Introduction to Induction Program for Afternoon classes(G,H,I,J,K,L)	Gallery Hall
2	Ice breaking	60 min	11.00 -12.00 Noon	Warm up. introduction	Biscuits, Chocolates
3	Tea Break	15 min	12.00-12.15Noon		
4	Perception	60 min	12.15- 1.15PM	Viewing pictures, Change	Participation
5	Lunch Break	60 min	1.15-2.15 PM		
6	Positive Thinking	40 min	2.15-2.55PM	Story	Discussions
7	Triple filter	30 min	2.55 -3.25PM	Story reading, discussions	Presentation
8	Goal setting	50 min	3.25 -4.15PM	Story, GD	Balloon & pin
9	Tea Break	15 min	4.15-4.30PM		
10	Time management	60 min	4.30-5.30PM	PPT	Glass & pebbles, sand etc
Total duration		540 min	(+ or – 15 minutes)		

**Phase-II Induction Programme for 1st Year BE students of BEC, Bagalkot.
HRD Training : Course Design, Contents and Duration**

Annexure-I 2/3

3rd Jan 2020

No	Topic	Duration	Time	Details	Methodology
1	Building Relationship	45 min	8.30-9.15AM	PPT, Discussions	Making decision,
2	Communication	90 min	9.15-10.45 AM	Concept, Types, body language	Paper tearing exercise, How good a communicator, reader questionnaire
	Tea Break	20 min	10.45-11.05AM		
3	Group dynamics	60 min	11.05 -12.05PM	Group Discussion	Presentation
4	Leadership Styles	55 min	12.05-1.00PM	Push, pull Exercise	Questionnaire
	Lunch Break	60 min	1.00 – 2.00PM		
5	Creativity	90 min	2.00-3.30PM	Bottle, Four square, Story making	Presentation
	Tea Break	20 min	3.30- 3.50PM		
6	Problem Solving	70 min	3.50-5.00PM	Concept, game,	Mullah stories, GD, Presentation
	Total Duration	515 min	(+ or – 15 minutes)		

**Phase-II Induction Programme for 1st Year BE students of BEC, Bagalkot.
HRD Training : Course Design, Contents and Duration**

Annexure-I 3/3

4th Jan 2020

No	Topic	Duration	Time	Details	Methodology
1	MILLY	75 min	8.30 -9.45AM	Presentation by students	Brown Sheets +Sketch Pens
2	Public speaking	90 min	9.45-11.15AM	By each participants	Topics
	Tea Break	15 min	11.15 -11.30AM		
3	Motivation	45 min	11.30-12.15PM	Myna & Elephant	GD & Presentation
4	Conclusion	45 min	12.15 -1.00PM	Videos	Videos
	Lunch Break	60.min	1.00-2.00PM		
5	Feedback & Valedictory	150min	2.00-4.30PM		Valediction, Experience Sharing Gallery Hall/ Main Bldg.Quadrangle
Tea & disperse					
Total duration		480 min		(+ or – 15 minutes)	

REPORT OF STUDENT INDUCTION PROGRAM 2020-21(SIP)

(1st February to 6th February 2021)

Preface

Student Induction Programme is to help new **students** adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other **students** and faculty members, and expose them to a sense of larger purpose and self-exploration.

Induction program was proposed by AICTE and implemented in BEC in offline mode, scheduled from 1st February to 6th February 2021, sessions were conducted for First Year B.E students. In Induction program, was inaugurated by honorable principal and he addressed students about institute profile, COE briefed about Autonomy and Examination, sessions by eminent persons, Creative activity, Universal Human values, literary activity, Sports activity, Student activity, Library orientation and Yoga.

Sessions on Stress Management, Literature, Nationalism, Language Proficiency and Communication Skills, Food, Health and Hygiene:

These sessions were designed to improve students awareness and motivate them for the field they have chosen as their branch. Personalities from different field were invited for the same to share their experience. All the sessions motivated students to start thinking towards the path they need to adopt for the next 4 years to achieve their goals.

Human values:

Human values module was one of the most important modules which was emphasized in this program. These activities were planned in such a way that this should trigger students' minds towards right values.

Student Activity:

In this activity, students were introduced to activities conducted in the college and departments like Entrepreneurship Development cell, Training and Placement cell, Gymkhana and extracurricular activities, Internship Incubation and student projects etc. that are conducted in the institute.

Library Orientation:

Purpose of the orientation was to develop the awareness among newly joined students about the Library Resources.

Department activities:

Students were introduced to their department followed by creative activity

Yoga:

Everyday yoga session was conducted from 5pm-6pm by Shri S.M Kuppast mentor Vivekanand Yoga Vignyan Kendra

Induction Feedback:

- Overall Feedback of students about induction program was excellent.
- Students demanded more sessions of Human values and eminent person lectures.

The details are given below session wise

REPORT OF STUDENT INDUCTION PROGRAM PHASE-II 2020-21(e-SIP)

(10th May to 21st May 2021)

Preface

Student Induction Programme Phase -II is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other **students** and faculty members, and expose them to a sense of larger purpose and self-exploration.

Induction program was proposed by AICTE and implemented in BEC in online mode. During the 10th May to 24th May 2020, sessions were conducted for FY B.E students. In Induction program phase -II, the modules were recap of UHV modules, Awareness of COVID -19 SOP to be followed, Career Planning and Scope of the branch, Communication Skill Development, Nutrition, Health and Happiness, Creative Practices and Innovations, Group Activity Skill/ creativity-based activities as per Appendix-I and Yoga.

Sessions on Career Planning and Scope of the branch, Communication Skill Development, Nutrition, Health and Happiness:

These sessions were designed to improve students awareness and motivate them for the purpose of the course that they have chosen and their branch. Personalities from different field were invited for the same to share their experience. All the sessions motivated students to start thinking towards the path they need to adopt for the next 4 years to achieve their goals.

Recap of UHV modules:

Human values module was one of the most important modules which was emphasized in this program. These activities were planned in such a way that this should trigger students' minds towards values.

Creative Practices and Innovations, Group Activity Skill/ creativity-based activities as per Appendix-I by department:

In this activity, students were introduced to activities conducted in college and department like Entrepreneurship Development cell, Training and Placement cell, Gymkhana and extra-curricular activities, Internship Incubation and student projects etc. that are conducted in the institute.

Yoga:

Yoga sessions were conducted for students to stay calm, fit, and healthy.

REPORT OF STUDENT INDUCTION PROGRAM 2021-22(SIP)

(28th February to 5th March 2022)

Preface

Student Induction Programme is to help new **students** adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other **students** and faculty members, and expose them to a sense of larger purpose and self exploration.

Induction program was proposed by AICTE and implemented in BEC in offline mode. During the 28th February to 5th March 2022, sessions were conducted for First Year B.E students. In Induction program, the modules were Principals address, Exam rules and regulations, eminent persons' sessions, Creative activity, Universal Human values, literary activity, Sports activity, Student activity, Library orientation and Yoga.

Eminent person's sessions:

This session was designed to improve students' awareness and motivate them for the field they have chosen as their engineering branch. Personalities from different field were invited for the same to share their experience. All the sessions motivated students to start thinking towards the path they need to adopt for the next 4 years to achieve their goals.

Human value:

Human values module was one of the most important modules which was emphasized in this program. These activities were planned in such a way that this should trigger students' minds towards values.

Student Activity:

In this activity, students were introduced to activities conducted in college and department like Entrepreneurship Development cell, Training and Placement cell, Gymkhana and extracurricular activities, Internship Incubation and student projects etc. that are conducted in the institute.

Library Orientation:

Purpose of the orientation was to develop the awareness among newly joined students about the Library Resources.

Department activities:

Students were introduced to their department followed by creative activity

Induction Feedback:

- Overall Feedback of students about induction program was excellent.
- Students demanded more sessions of Human values and eminent person lectures.

The details are given below session wise

BVVS
Basaveshwar Engineering College (Autonomous), Bagalkot
Department of Electronics and Communication Engineering
Induction Program for I Year Students 2021-22 Batch
Time-Table

Date	Time	Topic	Division : G		Division : H	
			Class Room: ECE Seminar Hall		Class Room No: 106	
			Name of the Faculty		Name of the Faculty	
28-02-2022	2.00 PM to 3.30 PM	Time and Introduction Exploring our Aspirations and Concerns	Dr. V.S.Jigajinni		Dr. A. V. Sutagundar	
02-03-2022	2.00 PM to 3.30 PM	Basic Human Aspirations-their fulfillment Aspirations – Concerns at Individual Level	Dr. R.S.Pujar		Prof. M. C. Aralimarad	
03-03-2022	2.00 PM to 3.30 PM	Relationship-Trust Video Discussion-Right here Right Now Relationship-Reverence for Excellence	Dr. KirankumarBalawalad		Dr. Ajay Katageri	
04-03-2022	2.00 PM to 3.30 PM	Relationship-Respect Relationship-Gratitude and Love	Dr. J.D.Mallapur		Prof. S. C. Hiremath	
05-03-2022	2.00 PM to 3.30 PM	Harmony with Society and Nature Sum up Self Evaluation and Closure Session	Dr. K Shridhar		Dr. M.S.Kakkasageri	

01-03-2022: Holiday due to Mahashivaratri