

BET's

315-Motichand Lengade Bharatesh Polytechnic, Belagavi

Department of Electronics & Communication Engineering

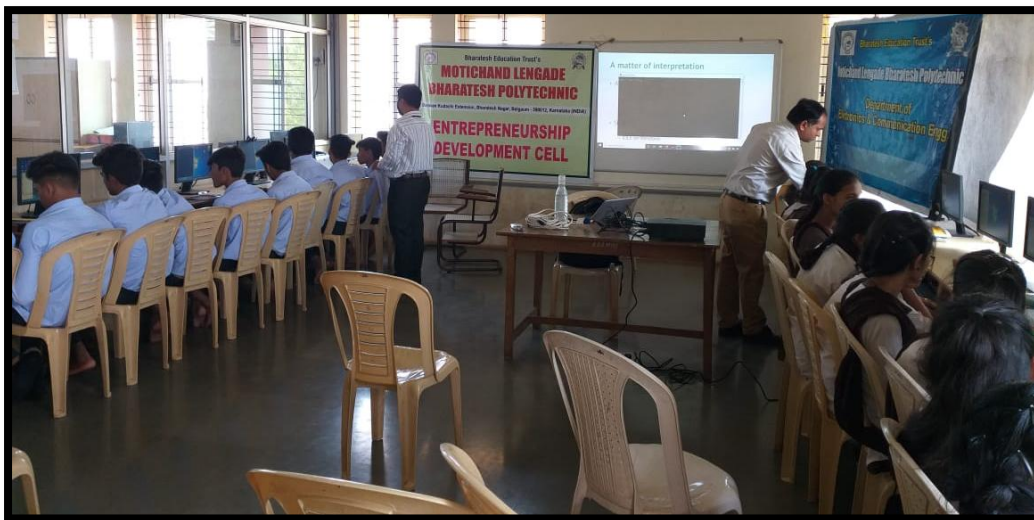
Two Days Workshop on “Statistics & Analytics Lab”

Department of E&C Engg organized 2 days workshop on “**Statistics & Analytics Lab**” for 1st year students of EC & CE Engg, in collaboration with EDC, 8th & 9th March 2021. The aim of this workshop was to mainly give more practical orientation and stress on newly implemented curriculum based on Python Programming.



The inauguration function was carried out in EC Classroom in presence of Principal Shri. BMB Patil, Technical Director Shri. S.N. Tulasigeri, EDC Coordinator Shri. S.V. Savnoor, HOD Shri. Somashekhar Ambavagol & faculties & students. The resource person for this workshop was Mr. Vaibhav Chavan, Co-founder of Zeel Netwrok/Code Labs Belagavi, who has more than 9 years of experience in IT & Developing Sector. The function was inaugurated with flowering Maa Saraswati photo, by all the dignitaries on the dias.

During talk of our college Technical Director has mentioned, students should go thoroughly with the basics of Python Programming & try to inculcate those techniques which help them build their career. Principal Shri. BMB Patil also addressed the function & highlighted the importance of new trends in programming languages which are essential for young engineer students to get survival in the organization/ Industries. Mr. Arun Joti introduced the Chief Guest to the inauguration function. Finally vote of thanks given by HOD of EC Department.



Workshop schedule

Sl. No	Date	Timings	Topics
1	08-03-2021	10.30 to 11.15	Inauguration Function
		11.15 to 12.30	Introduction to Python
		12.30 to 12.45	Tea Break
		12.45 to 1.30	Use of Anaconda Software tool with simple examples.
		1.30 to 2.00	Lunch Break
		2.00 to 3.15	Introduction to Data types, Arithmetic Operators with simple code
		3.15 to 3.30	Tea Break
		3.30 to 5.00	Use of Loops & Functions with examples.
2	09-03-2021	10.45 to 11.15	Introduction to Statistics & Population.
		11.15 to 12.30	Introduction to different Data Types.
		12.30 to 12.45	Tea Break
		12.45 to 1.30	Use of Excel with graphs
		1.30 to 2.00	Lunch Break
		2.00 to 3.15	Introduction to Pandas with simple code.
		3.15 to 3.30	Tea Break
		3.30 to 5.00	Excel with Python Programming with examples.

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Day-1: Workshop Report

Date: 08/03/2021

Time: 10.45am to 05.30pm

Venue: Computer Lab-2

Topic :	<i>Python Programming Basics</i>		
Resource person	Mr. Vaibhav M Chavan, Co-Founder & Developer, ZEEL Network Solution/Code Labs, Belagavi		
Tools Used	Oral/PPT/Anaconda Software		
Semester	1 st	No of Students Present	16/17
Highlights of Lecture:	<ol style="list-style-type: none">1. At the outset, the Resource Person introduced himself to the students and tried to develop personal rapport with them. He first explained about the concept of Python Programming, invention of python and its importance in connection with employment opportunities.2. The Resource Person discussed about the important features of Python. He highlighted the applications of Python in normal routine of our daily use.3. Then he explained a simple program to familiar with the Anaconda Software tool.4. Later he has explained about the differences between Compiler & Interpreter.5. He also explained the variable & Data types, Arithmetic & Logic Operators, its uses with simple code.6. In the afternoon session, he explained about the different types loops used in Python (For & While Loop) with some examples.7. At the end of Day-1 session of workshop, the Resource Person focused on the importance of Python & its usage in career which will certainly support in building a successful career.		
Outcomes:	<ol style="list-style-type: none">1. Students understood the significance of concept of Python and its applications2. Students were exposed to the technique of for solving the certain programs & got hands on experience.3. Students were exposed to the technique selecting the job in company/industry.4. Students were made to realize the importance of Python & how to implement these techniques to build career.		
Linked PO/PSO	PO1, PO2, PO6 and PO7		
Subjects Related	Statistics & Analytics Lab		

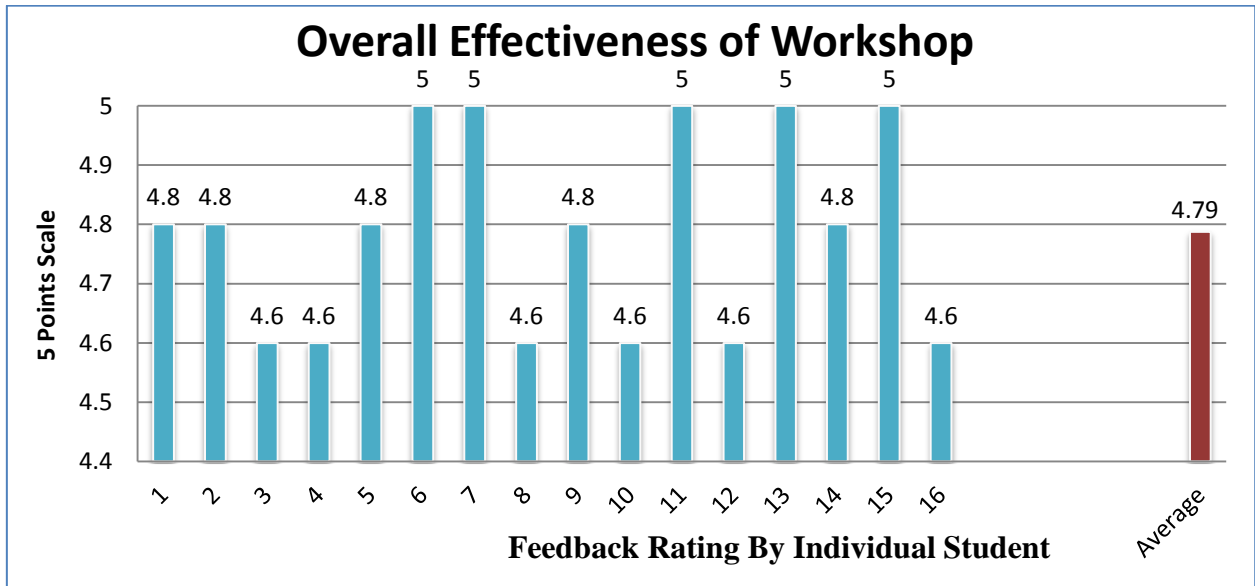
BET's**315-Motichand Lengade Bharatesh Polytechnic, Belagavi****Department of Electronics & Communication Engineering****Day-2: Workshop Report**Date: **09/03/2021**Time: **10.45am to 04.30pm**Venue: **Computer Lab-2**

Topic :	<i>Basics of Statistics, Plotting graphs with Excel & Python</i>		
Resource person	Mr. Vaibhav M Chavan , Co-Founder & Developer, ZEEL Network Solution/Code Labs, Belagavi		
Tools Used	Oral/PPT/Anaconda Software		
Semester	1 st	No of Students Present	16/17
Highlights of Lecture:	<ol style="list-style-type: none"> 1. At the Day-2 morning session, the Resource Person began with definition of Statistics & Population. 2. He first explained about the concept of statistics with real life examples. 3. The Resource Person discussed about the different types of Data used in analysis. i.e. Primary, Secondary, Qualitative & Quantitative Data types. 4. Then he explained how to gather Primary Data with simple examples & then co-related with the Secondary type. Also, he explained Secondary data type with Questionnaire survey with example. 5. Later he has explained about the differences between Qualitative & Quantitative Data types with real life examples. 6. The Discrete & Continuous data types were explained with relevant examples by the resource person. 7. In the afternoon session, he also explained how to plot graphs in Excel with simple code. 8. Then he explained basic differences between Bar graph & Histograms with examples. 9. After basics of Excel he introduced Python with Excel by using in-built library functions. 10. At the end of Day-2 session of workshop, the Resource Person focused on the importance of Python & also interacted with students & encourage them to give more stress on these recent trends of Python & develop a habit of learning & inculcate those in their life. 		
Outcomes:	<ol style="list-style-type: none"> 1. Students understood the significance of concept of Statistics and its applications 2. Students were exposed to the technique of for solving the certain programs using Excel with Python & got hands on experience. 3. Students were exposed to the technique selecting the job in company/industry. 4. Students were made to realize the importance of Statistics & how to implement these techniques to build our career. 		

Linked PO/PSO	PO1, PO2, PO6 and PO7
Subjects Related	Statistics & Analytics Lab

Feedback Analysis:

The Feedback rating given by students regarding overall effectiveness of the lecture is presented in the following graph. The average feedback rating is **4.79** on a 5 Point scale which means that students have appreciated the Workshop to the extent of **95.8%**



H.R Co-ordinator

HOD/Program Co-ordinator

Principal/Program Chairman