



Bapatla Engineering College :: Bapatla

(Autonomous)

Mahatmaji Puram, GBC Road, Bapatla-522 102

www.becbapatla.ac.in

A Five week Summer Internship program On " Introduction to Python and Machine Learning"

6th May to 8th June, 2019

Organized by

Department of Computer Science and Engineering

Introduction

Bapatla Engineering College (Autonomous) was established by Bapatla Education Society in the year 1981 and is reckoned for its academic excellence in engineering & sciences. BEC offers graduate courses in 8 disciplines with total intake of above 1000 students, 5 M.Tech courses in CSE, CAD/CAM (Mech), PE (EEE), SE (CIVIL) and CESP (ECE). The College is a little away from the din and bustle of Bapatla, a town with a historic and hoary past, about 75 Km. south of Vijayawada on Chennai-Vijayawada rail route. All departments have well equipped laboratories in addition to the common facilities of workshops, central library, state-of-art central computing facility, sports facilities and Innovation Centers that houses research and testing facilities for industrial projects and technology labs to promote inter-disciplinary research activities.

The Department of Computer Science and Engineering was started in 1994-95 and accredited by NBA thrice in the years: 2003, 2007 & 2012. The department is equipped with the state of the art computing facilities and experienced staff members and is known for its academic excellence proved by its performances since its inception. The Computer Science curriculum is known for its state-of-the-art, industry oriented courses like Data analytics, Cyber security and Machine learning.

Objective of the Program

Python is the world's fastest growing and most popular programming language used by software engineers, analysts, data scientists, and machine learning engineers alike. Python is a general-purpose, concise, versatile and dynamically typed programming language. The use of Python in building machine learning applications is evident from the abundant, flexible and wide spread machine learning libraries.

This program is aimed at teaching Python from basics and graduate towards the use of Pandas, Numpy, matplotlib libraries and scikit-learn API for machine learning.

Program Contents

Python: IDEs for Python development, Types, Variables, Expressions, Control Structures, Strings, Lists, Tuples, Sets, Dictionaries, Functions, Classes and Files.

Python libraries: Pandas, NumPy and matplotlib

Scikit-learn: Regression, Classification and Clustering algorithms.

Program Schedule

- Program Duration Dates : 6th May - 8th June, 2019, 9.30 am to 4.30 pm on weekdays with 2 sessions of lectures and 2 sessions of lab on each day.

Target Audience

The target audience for the program is students of Engineering who have **completed II year**. Basic skills in programming are the prerequisite.

Resource Persons

Faculty of Dept. of Computer Science and Engineering. Experts from the industry are likely to deliver lectures on current trends.

Contact Details

Mr. K. Kishan Chand, Assistant Professor

Program Coordinator

Dept. of CSE, Bapatla Engineering College,

Ph: 9705620307, 9642302577

Course Fee & Registration

- Course fee Rs. 3000/- per participant (Including registration fee)
- Course fee Rs. 2750/- per participant - for CSI/ISTE members (Including registration fee)
- A registration fee of Rs. 500/- which is non-refundable is to be paid on or before **April 13, 2019**.
- The remaining course fee is to be paid after the confirmation on or before **April 20, 2019**.
- Maximum batch size is 60.
- Registration will be done strictly on First Come First Served (FCFS) basis.

Examination and Certificate

The Internship Certificate will be awarded only to those who regularly attend all the sessions of the course and secure a minimum of 50% marks in the continuous evaluation. The certificate details will be made available in the department website for verification by external organization.



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Registration Form**

1.	Name (as on certificate)				
2.	College Name				
3.	Regd. No		Roll No.		Branch / Section
4.	Address with city and Pin code				
5.	Participant Contact No (WhatsApp No.)				
6.	Parent Contact No				
7.	Academic Detials	CGPA(Aggregate) till the last semester			
		Title & Marks in Programming Course (CIE + FE)			
		Title & Marks in Programming Course (CIE + FE)			
8.	ISTE/CSI membership details				
9.	Do you have a Laptop? If yes, Configuration details.				
	Signature of the Parent	Signature of the Applicant			
	FOR OFFICE USE ONLY				
1	S. No of the Applicant				
2	Date and details of Registration Fee paid				
3	Date and details of Course Fee paid				
4	Signature of the Coordinator				