



**One
Week Faculty
Development Programme On**

“Python 3.4.3”

27th August, 2020

to

2nd September, 2020

Organized by

Department of Physics

&

**Internal Quality Assurance
Cell (IQAC)**

**Barnagar College, Sorbhog,
Barpeta, Assam**

In association with

Spoken Tutorial,

IIT Bombay

(An Initiative of

NMEICT, MHRD,

**Govt. of India promoting the
usage of Open Source
Software)**

Organizing Committee

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Registration Fee

Faculty member-Rs 500/-

Research Scholar-Rs 200/-

Last date of Registration

25th August, 2020

Payment details

Beneficiary Name: REGISTRAR,
IIT BOMBAY

A/C Number: 2724101113370

Bank Name: CANARA BANK

Bank Branch: IIT POWAI

IFSC Code: CNRB0002724

Payment Mode: NEFT/ Google Pay/
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Registration link

**[https://forms.gle/tvtFcTSLV
dHvvcYx8](https://forms.gle/tvtFcTSLVdHvvcYx8)**

Contact:

physicsbncfdp@gmail.com

E-Certificate will be provided by
Spoken Tutorial, IIT Bombay after
successful completion of the course

Schedule of the Programme

Date	Day	Topics		Details
27.08.2020	Thursday	<ul style="list-style-type: none"> ● Getting Started with IPython ● Using Plot Command Interactivity ● Embellishing Plot 	<ul style="list-style-type: none"> ● Saving plots ● Multiple plots ● Subplots 	Video link will be shared on 10.30 am, 27 th August, 2020
28.08.2020	Friday	<ul style="list-style-type: none"> ● Additional features of IPython ● Loading Data from Files ● Plotting Data 	<ul style="list-style-type: none"> ● Other Types of Plots ● Plotting of Charts 	Video link will be shared on 10.30 am, 28 th August, 2020
29.08.2020	Saturday	<ul style="list-style-type: none"> ● Getting Started with Lists ● Getting Started with For ● Getting Started with Stings 	<ul style="list-style-type: none"> ● Getting Started with Files ● Parsing Data ● Statistics 	Video link will be shared on 10.30 am, 29 th August, 2020
30.08.2020	Sunday	<ul style="list-style-type: none"> ● Getting Started with Arrays ● Accessing Parts of Arrays ● Image Manipulation using Arrays 	<ul style="list-style-type: none"> ● Basic Matrix Operations ● Advanced Matrix Operations 	Video link will be shared on 10.30 am, 30 th August, 2020
31.08.2020	Monday	<ul style="list-style-type: none"> ● Least Square Fit ● Basic Datatypes and Operators ● Sequence Datatypes 	<ul style="list-style-type: none"> ● Input-Output ● Conditional Statements ● Loops 	Video link will be shared on 10.30 am, 31 st August, 2020
01.09.2020	Tuesday	<ul style="list-style-type: none"> ● Manipulating Lists ● Manipulating Strings ● Getting started with Tuples 	<ul style="list-style-type: none"> ● Dictionaries ● Sets in Python 	Video link will be shared on 10.30 am, 1 st September, 2020
02.09.2020	Wednesday	<ul style="list-style-type: none"> ● Getting started with Functions ● Advanced Features of Functions ● Using Python Modules 	<ul style="list-style-type: none"> ● Writing Python Scripts ● Testing and Debugging ● Handling Errors and Exceptions 	Video link will be shared on 10.30 am, 2 nd September, 2020