



S J P N Trust's

Hirasugar Institute of Technology, Nidasoshi

Inculcating Values, Promoting Prosperity

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

Accredited at 'A' Grade by NAAC

Programmes Accredited by NBA: CSE, ECE, EEE & ME.

ECE Dept.

Workshop

Notice

2019-20(Odd)

Date: 13/09/2019

NOTICE

It is hereby informed that the department of Electronics and Communication Engineering in Association with Indian Society for Technical Education (ISTE) is planning to organize a four days workshop on **"Python Programming"** is arranged on 19th, 20th, 21st & 22nd September 2019 by Mr. Shitalkumar Borganve Senior Technical Lead, HCL Technologies Ltd. Bangalore, in HSIT campus. The interested students are informed to register their name towards Prof. S. S. Ittannavar, ECE Department.

Course Fee: Rs 300/- per participants.

ISTE Convener

HOD

Electronics & Commn. Engg. Dept.
HSIT NIDASOSHI



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“Workshop on Python Programming”

Workshop Name	Python Programming
Branch	ECE
Prerequisites	Basic Programming Skills and basic electronics.
Year	2019-20

Introduction:

Python is an object-oriented programming language and is ideally designed for rapid prototyping of complex applications. It interfaces many OS system calls & libraries and is extensible to C or C++. Millions of developers and individuals build applications and products using python for complete automation. Python programming finds its applications in Artificial Intelligence, Neural Networks and other advanced fields of Computer Science. This workshop helps the students to learn and develop applications using Python.

Course Objectives:

- To provide an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society.
- To create a platform for research scholars, faculty, engineers and students to solve problems on cutting edge technologies in IoT, Artificial Intelligence, Machine Learning and Deep Learning, Data Science.
- To provide Hands-on exposure about interface of multiple frameworks of python and its capability to develop various solutions.



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- Complete understanding of product development skills.
- Hands on experience by working on all examples in Python language.
- End to end understanding of hardware software interfacing techniques.
- Arduino IDE software, setting up development environment.
- Unit test, Quality check and debugging of embedded product.
- Gaining knowledge on various modules and structure of python.
- Students gain knowledge on how to use Google collaborator, a free service for running machine learning code without needing to setup anything.

Lab Requirements:

Sl. No	Details
1	Seminar hall with projector facility
2	Computer/Laptops with internet connection.
3	Power sockets

Course Fees: 300 INR / Student.



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Session	Modules	Topics	Time Duration
Morning	Inauguration of the workshop on Python Programming		30 Minutes
	Module-I	Introduction, and setting up development environment. Questions and answer session.	3.00 hours
Afternoon		IDEs, Control statements, String manipulation. Questions and answer session.	4.50 hours

DAY-2

Session	Modules	Topics	Time Duration
Morning	Module-I / Module-II	Lists and examples, Tuples, dictionaries. Questions and answer session.	3.00 hours
Afternoon		Functions, examples. Questions and answer session.	4.50 hours

DAY-3

Session	Modules	Topics	Time Duration
Morning	Module-II/ Module-III	Modules and File, I/Os, Examples, Questions and answer session.	3.00 hours
Afternoon		Introduction to Google Collaboratory is a research tool for machine learning education. Questions and answer session.	4.50 hours

DAY-4

Session	Modules	Topics	Time Duration
Morning	Module-III	Research oriented examples. Questions and answer session.	3.00 hours
Afternoon		Running example codes. Questions and answer session.	4.50 hours
	Valedictory function of the workshop		30 Minutes

Total Hours: 30 Hours

**Course Contents:****Module – I**

Introduction, Setup & Installation of IDEs. Variables and Types, Control statements Numbers, Math, Input from users, string manipulation, Functions and Conditional Statements. Loops For and While Lists. **10 Hours**

Module – II

Introduction to tuples and its examples, Why Tuples? Its uses. Introduction to dictionaries and examples. Why Dictionaries and advantages. How to create and use tuples in python. File handling in Python and various examples. **10 Hours**

Module – III

Object oriented concepts with various examples on same. Here all students shall be involved into developing live project applications by using python frame work and various modules. Every student can come with ideas and building the projects on same. Introduction to Google Collaboratory is a research tool for machine learning education and research and running example codes. **10 Hours**



Attendance Sheet for Four-day's workshop on "Python Programming" during 19th to 22nd September 2019.

Sl. No.	Student Name	USN	19 th September		20 th September		21 st September		22 nd September	
			Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
1	ABHISHEK S. MALGONDKAR	2HN17EC001	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
2	ADARSH MADIHALLI	2HN17EC002	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh	Adarsh
3	AISHWARYA N.PATIL	2HN17EC003	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya	Aishwarya
4	AKSHATA C.SHIVANNAVAR	2HN17EC004	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata	Akshata
5	AMOGH DADDI	2HN17EC005	Amogh	Amogh	Amogh	Amogh	Amogh	Amogh	Amogh	Amogh
6	ARPITA BHAJANTRI	2HN17EC006	Arpita	Arpita	Arpita	Arpita	Arpita	Arpita	Arpita	Arpita
7	ASHWINI R. KORI	2HN17EC007	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini	Ashwini
8	AVINASH SUNTHE	2HN17EC008	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash	Avinash
9	DANAMMA IRAPPA NERLI	2HN17EC009	Danamma	Danamma	Danamma	Danamma	Danamma	Danamma	Danamma	Danamma
10	KIRAN KELAGINAMANI	2HN17EC010	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
11	LAXMI PATIL	2HN17EC011	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi	Laxmi
12	MALLIKARJUN S. PARANDI	2HN17EC012	Mallikarjun	Mallikarjun	Mallikarjun	Mallikarjun	Mallikarjun	Mallikarjun	Mallikarjun	Mallikarjun
13	MEENAKSHI B.PATIL	2HN17EC013	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi
14	NIKHITA S. MANE	2HN17EC014	Nikhita	Nikhita	Nikhita	Nikhita	Nikhita	Nikhita	Nikhita	Nikhita
15	NISARGA BAGALKOT	2HN17EC015	Nisarga	Nisarga	Nisarga	Nisarga	Nisarga	Nisarga	Nisarga	Nisarga
16	NIYASHREE P.PATIL	2HN17EC016	Niyashree	Niyashree	Niyashree	Niyashree	Niyashree	Niyashree	Niyashree	Niyashree
17	PAYITRA S.RANJANAGI	2HN17EC017	Payitra	Payitra	Payitra	Payitra	Payitra	Payitra	Payitra	Payitra
18	PRAJAKTA MARADI	2HN17EC019	Prajakta	Prajakta	Prajakta	Prajakta	Prajakta	Prajakta	Prajakta	Prajakta
19	PRAVEENKUMAR ANKAD	2HN17EC020	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
20	PREETI MASODAGE	2HN17EC021	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti	Preeti
21	PRIYANKA TELAGADE	2HN17EC022	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
22	SANGEETA RAGHA	2HN17EC023	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta	Sangeeta
23	SAPNA T. YEGAPPAGOL	2HN17EC024	Sapna	Sapna	Sapna	Sapna	Sapna	Sapna	Sapna	Sapna
24	SHIVANI KANERKAR	2HN17EC025	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani	Shivani



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Workshop

Attendance

2019-20(Odd)

Attendance Sheet for Four-day's workshop on "Python Programming" during 19th to 22nd September 2019.

Sl. No.	Student Name	USN	19 th September		20 th September		21 st September		22 nd September	
			Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
25	SHRADDHA. S. MURADUNDE	2HN17EC026	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	SHRUTI S. MURADUNDE	2HN17EC027	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	SNEHA BANNURI	2HN17EC028	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
28	SNEHAL GURAV	2HN17EC029	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
29	SUNITA R. HAMIDWADE	2HN17EC030	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
30	SUPRIYA D. KULKARNI	2HN17EC031	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
31	SUREKHA HUBBALLI	2HN17EC032	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32	VAISHALI N. MUCHANDI	2HN17EC033	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	VEDA MAGENNAVAR	2HN17EC034	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	VEENA PATIL	2HN17EC035	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	VINAY HIREKODI	2HN17EC036	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	VINAYAK TUPPAROTTI	2HN17EC037	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	VINIT KANTHI	2HN17EC038	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	MOHAMED S. SHAIKH	2HN18EC400	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	PRATIMA S. JUGALAKAR	2HN18EC401	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	SAHANA B. GUDASI	2HN16EC029	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	SUMANT J. JATTI	2HN18EE407	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



*ECE Department, ISTE Student Chapter, HSIT Nidasoshi
And*

Youth Innovations Bangalore
Jointly Organised Four Days Workshop on
Python Programming

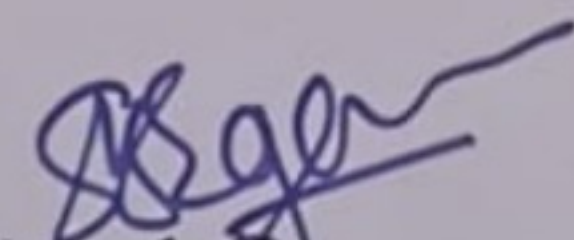


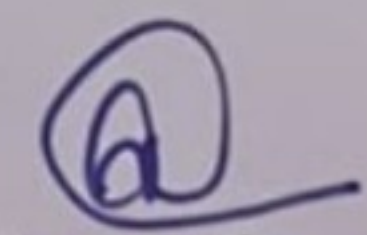
Certificate of Participation

This is to Certify that

Mr/Miss Nisarga Bagalkot

of 5th Sem ECE department HSIT NIDASOSHI, has actively participated in
Four days workshop on " Python Programming " by YOUTH INNOVATIONS
from 19th to 22nd Sept. 2019 held at Hirasugar Institute of Technology, Nidasoshi.


Mr. Shital Borganve
Resource Person


Dr. V. G. Kasabegoudar
HOD


Dr. S. C. Kamate
Principal



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Feedback

2019-20(Odd)

Activity Feedback Form**Title of Event:** Workshop on "Python Programming".**Date of Event:** 19-09-2019 to 22-09-2019**Name of Resource Person:** Mr. Shitalkumar Borganve, Senior Technical Lead, HCL Technologies Ltd. Bangalore.**Number of Students:** 41

Instructions: Please tick your level of agreement with the statements listed below	Excellent	Very good	Good	Satisfactory	Poor
1. Helpful in understanding Python programming & its applications.	✓				
2. Hands-on exposure python coding concepts.	✓				
3. Overall effectiveness of the resource person during the workshop.	✓				
4. A platform to discuss the strategies on promoting the development of Python programming with industry.	✓				
5. Helpful in carrying out project, testing and research in the area of Python and its applications.	✓				
6. Overall rating of this workshop.	✓				

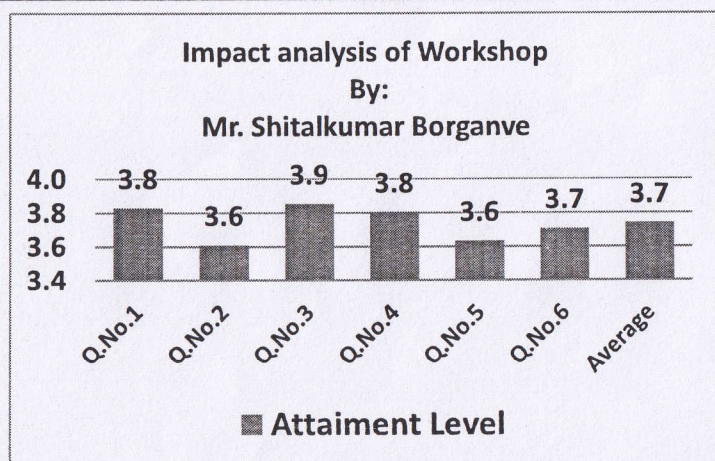
Any suggestions:

Student Signature

Title of Event: Four Days Workshop on Python Programming

Number of Students: 41

Q. No.	Excelent(4)		Very good(3)		Good (2)		Satisfactory(1)		Poor(0)		Total score	% of attainment = (Total score/Total Students Attended)	Average Percentage attainment	Attainment Level	Mapped POs	Mapped PSOs
Q.No.1	34	136	7	21	0	0	0	0	0	0	157	3.8	93.5	High =3	1,2,3,4,5,6,7,11,12	1,2
Q.No.2	26	104	14	42	1	2	0	0	0	0	148	3.6				
Q.No.3	35	140	6	18	0	0	0	0	0	0	158	3.9				
Q.No.4	34	136	6	18	1	2	0	0	0	0	156	3.8				
Q.No.5	29	116	9	27	3	6	0	0	0	0	149	3.6				
Q.No.6	29	116	12	36	0	0	0	0	0	0	152	3.7				
Average												3.7				



Impact Analysis: From the above Table, Workshop on Python Programming By Mr. Shitalkumar Borganve event attained to level 3 against mapped PO1, PO2, PO3, PO4, PO6, PO7, PO11, PO12, PSO1 and PSO2.

NOTE: Substantial or high = 3, Medium = 2 and Low = 1

ISTE Coordinator
 (Prof. S S Itannavar)

NBA Coordinator

HOD
 Electronics & Commn. Engg. Dept.
 HSIT NIDASOSHI