Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University Belagavi& Approved by AICTE New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057
Department of Information science and Engineering

Certification Course Report

Department of ISE conducted 5 days Certification Course on "Automation task using Python"

GuestSpeaker: Prof. Basavaraj, Assistant Professor,Department of ISE,Sambhram Institute of Technology,Bengaluru.

Duration of the course: five days from July 22nd,2019 to July 26th 2019

Course details:

Objective of the Course: The five days course made the students to be familiar with the major concepts in Automation using python which is a main platform for their career.Certification Course became the vital step to improve the knowledge of students.

Certification course made them comfortable with the Python concepts. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Speaker took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

Schedule of Certification Course

Dates	SESSION 1 (9.00am-10.30am)	SESSION 2 (11.00am-12.30pm)	SESSION 3 Hands-on Session (1.30pm-4.30pm)
22-7-2019 Monday	Introduction • History • Features • Setting up Path • Working with Python • Basic syntax • Variable and Data types • Operators • OOPs Concept	Regular Expression • Match function • Search Function • Matching vs Searching • Modifiers • Patterns	Hands on Session on basics of python and regular expressions

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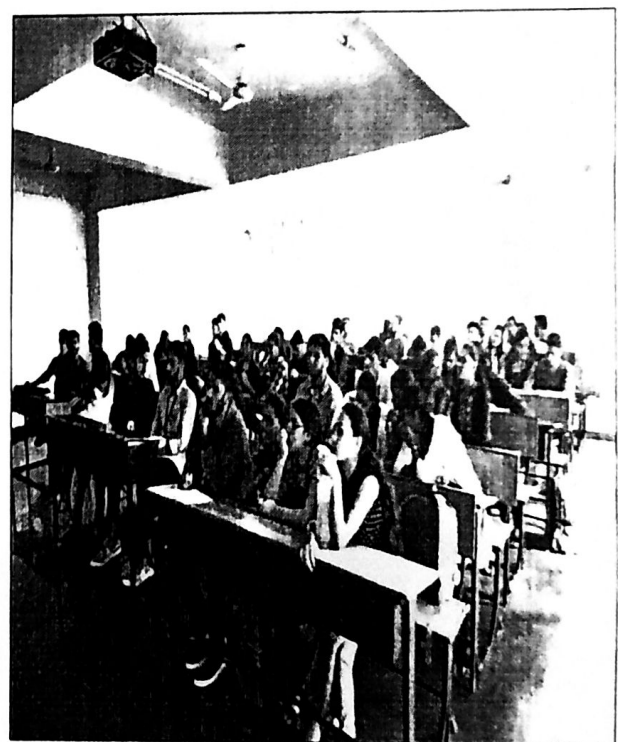## Department of Information science and Engineering

Date			
23-7-2019 Tuesday	**CGI** • Introduction • Architecture • Environment Variables • GET and POST method • Cookies • File Upload **Database** • Introduction • Connections • Executing Queries • Transactions • Handling error	**Networking** • Socket • Socket Module • Methods • Client and Server • Internet Modules	Hands on Session on database connectivity and socket programming
24-7-2019 Wednesday	**Multithreading** • Thread • Starting a Thread • Threading Module • Synchronizing thread • Multi threaded Priority	**GUI Programming** • Introduction • Tkinter Programming • Tkinter wedges • Controlling GUI tools	Hands on Session on GUI programming
25-7-2019 Thursday	**Tool Setup** • System Packages • Virtual Environments • Python Packages • Aptana Studio • Simulating Remote hosts	**Web Scraping** • Introduction to using packages • Request packages • Performing a GET request • String manipulation • Debugging a Python Script	Hands on Session on tool setup and web scraping
26-7-2019 Friday	• Manipulating Images • Interacting with Web Services • Automatic Output Generation	**Storage and Scheduling** • Scheduling python script • Text files and CSVs	Hands on Session on python script Test Conduction-(4.30pm-5.30pm)

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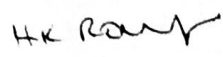#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

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Conclusion: The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines. This Course helped the student to improve their knowledge in Python.

5 days Certification course on **"Automation task using Python"** by Prof. Basavaraj, Assistant Professor, Department of ISE, Sambhram Institute of Technology, Bengaluru from July 22nd 2019 to July 26th 2019.

HK Ram

HOD

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