

WORKSHOP PROPOSAL ON “PYTHON PROGRAMMING”



SOFTPRO INDIA COMPUTER TECHNOLOGIES (P) LIMITED

Workshop Proposal on “Python Programming”

About Company:

Softpro India Computer Technologies (P) Limited, an **ISO 9001:2015 Certified** company which was endowed in 2004 by Technocrats from IIT Kanpur and IET Lucknow is acknowledged to be one of the aggrandizing IT companies in consulting and software development. It is one of the vigorous new generation software solution company providing software development, maintenance to companies in manufacturing and other domains and also is an acclaimed member of **UPDESCO** which facilitates software development in government sectors in UP.

The company has gained incredible establishment in the field of software development with clients of Domestic & International repute like King George Medical University, Medicounsel (US), SGPGI, Karam Industries, Marc Laboratories Ltd., NHMC, Indian Army- Commander Works Engineer (CWE) & Dhan Laxmi Enterprises.

Advisory board, a body that provides non-binding strategic advice to the management of the corporation is a combination of eminent people from academics and corporate on honorary basis like **Prof. V.K. Pathak (VC- AKTU), Prof. D S Yadav (Ex-Director- REC, Banda), Prof Neelam Srivastava (Director- REC, Kannauj), Prof D K Singh (Ex-Director- REC, Azamgarh), Er. Shashi Katiyar (Intel Corporation), Er. Deepak Sharma (Oracle Corporation), Er. Vikram Singh (Microsoft, US).**

“**Softpro Technologies- Malawi, Africa**”, is the latest milestone of Softpro Group. This unit of Softpro Group has been established in Malawi, Africa when the African embassy contacted the management to help them impart I.T. Education and Training in their country. Softpro has been working there to help the government raise the computer literacy rate of the country through our specialized training programs collaborated with the Colleges and Universities of the country.

"**Softpro Learning Center**", commenced in 2008 with a perception to bridge the Technology Gap prevalent between IT students and IT professionals. Softpro Learning Center has embarked itself as one of the most propitious centers for learning across UP and nearby states.

Objective of Workshop:

Undergoing the Workshop helps students to get exposed to the Industry and to acquire adequate technical knowledge and know-how thereof. It is not possible for any institution to provide all types of processes, equipment, etc., that are used in various industries. The Workshop therefore provides an opportunity to the students to get exposed to a very large area of technology and its

processes. This Workshop results in better employment opportunities for students and helps them to acquire better analytical as well as practical approach.

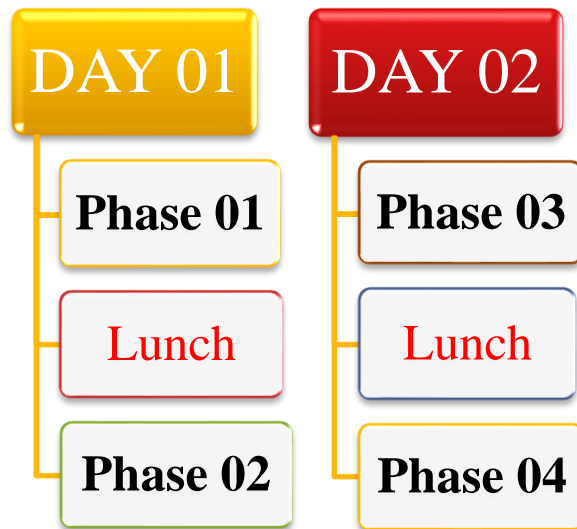
Program Overview:

The very initial step to attain our objective, we come forth with a **‘Practical Oriented Workshop on Python Programming & Its Applications with IOT’**.

This Workshop will provide the ideal time for the engineering students to learn and build projects on the concepts that they will learn. Hands-on workshop of such type will increase the practical skill which is very much needed for core company placements.

Softpro has been known to deliver fruitful workshops to lakhs of engineering & diploma students which helps them to know and choose their career path and get involved with the technologies like never before. The workshop offered by Softpro, involves a specific technology and will help the students to learn. Our experts will expose the students to the latest technologies which industries demand and to increase their practical skills.

Following our innovative methodology, the workshop keeps them engaged throughout the session and offers to learn in the most exciting way. The workshop is divided into Four (04) modules.



Time frame for workshop:

It will be Two (02) Days Workshop (approx. 05 hrs. per day).

Workshop Contents:

Day – I

Phase – 1

- ✓ Market value of Python
- ✓ Python, Its features.
- ✓ Installing Python.
- ✓ Setting Path.
- ✓ First Python Program.
- ✓ Flow Controls
- ✓ Working with Python List
- ✓ String manipulation in Python
- ✓ Use of function in Python.
- ✓ Working with Modules
- ✓ Object Oriented Programming concepts in Python.

Phase – 2

- ✓ Introduction of IOT.
- ✓ Market value of IOT.
- ✓ IOT as future Technology.
- ✓ Raspberry Pi
- ✓ Physical computing using Raspberry Pi.
- ✓ Structure of IOT
- ✓ Sensors.
- ✓ Application of Python in IOT
- ✓ Demonstration of Project using IOT.

Day – II

Phase -3

- ✓ CGI Programming.
- ✓ CGI Architecture.
- ✓ Web Server support and configuration.
- ✓ First CGI Program.
- ✓ Use of GET and POST methods for passing information.
- ✓ Use of Cookies.

- ✓ Database concepts (SQL Statements)
- ✓ Database handling in Python (using MySQL as backend)
- ✓ Development of Project.

Phase – 4

- ✓ Development of Registration and Login Modules
- ✓ SMS API Integration
- ✓ Introduction of Django Framework.

Requirements:

- Conference/Seminar Hall
- Projector
- Collar Mic
- Laptop for all students

Reward:

After the completion of workshop, students who attended all the four phases/sessions of workshop, they will be awarded with the “**Certificate of Participation**”.



Speaker Profile:

Softpro has chosen one of the best industry experts to deliver the workshop to the Engineering College Students of Uttar Pradesh so that the students can get maximum exposure of the working in IT Industry. The profile of few consultant is shared below:

1. Er. Brijesh Mishra



Er. Brijesh K Mishra
Sr. Manager-IT

He has a fulfilling experience of 12 years of working in IT Industry. He has been associated with Softpro since past 11 years working on multiple technologies and domains. He has a great command in Programming Concepts and Database Administration. He has worked on multiple projects for prestigious clients of national repute like: Green Gas Limited (GGL) – A Joint Collaboration of GAIL & IOCL, Marc Laboratories (A Pharmaceutical Company), Karam Industries (P N International) – Safety Equipment Manufacturers, Sanjay Gandhi Post Graduate Institute, Lucknow, Commander Works Engineer - Ministry of Defense and many more.

His technical competency includes: -

- **Languages:** C, C++, C#, Python, Java, Assembly
- **Microsoft Based:** VB /ASP /.NET/SQL Server
- **Database Applications:** Oracle Enterprise Edition & Oracle Developer 2K
- **Platforms:** Android, Windows, Linux
- **Frameworks:** Struts, Hibernate, Spring
- **Others:** Embedded System, PLC Programming with SCADA for Industry Automation

2. Er. Rohit Kumar



Er. Rohit Kumar
Project Manager

He has a fulfilling Experience of more than 06+ Years working in Software Development field and has a great command in Web Application Development. His technical experience includes clients of high repute like Medicounsel-USA, SGPGI, Lucknow, Head Quarters –Indian Army (UP and Uttaranchal), KGMC, Lucknow – (Blood Transfusion Department), IBN Live News, P.N Internationals (A 100% EOU). He graduated in Computer Applications from University of Bihar and did his Masters in Computer Applications (MCA) from School of Management Sciences, Varanasi.

His technical competency includes: -

- Programming Languages: - C, C++, Java, C#, Python
- Web Technologies: -HTML5, CSS3, Java Script, JQuery, JSP, PHP, ASP. Net
- Database Applications: -Oracle, MYSQL
- Platforms: -Windows, Unix
- Frameworks: -Code Ignitor, Cake PHP, Django etc....
- CMS: -Wordpress, Joomla, Magento, Drupal etc...

Closing Ceremony:

The workshop will end on second day by approx. 04 PM. After the completion of the workshop, closing ceremony of the workshop will take place. The activities scheduled in workshop closing are:

- 1. Feedback Session by Students***
- 2. Feedback Session by College Director***
- 3. Certificate Distribution***
- 4. Letter of Appreciation/Feedback Letter by College to Softpro Team.***
- 5. Photo Session with students, college team and Softpro Team.***

*Regards,
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