



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC
52nd Rank among Colleges in NIRF 2024
Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF COMPUTER SCIENCE (AIDED)

Hands on Training programme in Python and PHP

(XII Standard students of Greenfields Matriculation School, G.N. Mills, Coimbatore – 29.)

Supported by
**DBT STAR COLLEGE SCHEME
REPORT**

Name of The Event	Hands on Training programme in Python and PHP (XII Standard students of Greenfields Matriculation School, G.N. Mills, Coimbatore – 29.)
Date	01.02.2025
Time	9:30AM to 4:00PM
Venue of The Programme	Lab VI
Resource Person with Designation	221CS002 R.Anushree 221CS006 S.Thrishok 221CS009 R.M.Sakthipooja 221CS013 J.Jesina Kethyrin 221CS015 A.Benitta 221CS016 K.Priya Dharshan 221CS032 A.Dharshana 221CS047 S.Niveaditha 221CS055 A.Divya 221CS059 P.Mithun
Objectives of the Programme	•To Teach Python programming language and PHP Programming Language. •To motivate the students towards Web Development.
Outcome of the Programme	•Advantages and application of python language •Syntax of python •Code examples of python

	•Use of PHP in particular for website development
Number of Beneficiaries with class (Both students and faculty)	School Students : 70 Students from Green Fields Matriculation school, Coimbatore-29 Total No of Beneficiaries: 70

Report in Detail:

The Hands-on Training Programme in Python and PHP for XII Standard Students was a comprehensive initiative aimed at enhancing students' programming proficiency and web development skills. The programme commenced with an intensive introduction to Python programming, covering fundamental concepts such as data types, control structures, and functions. Through practical sessions and coding exercises, students gained hands-on experience in writing Python code and solving real-world problems.

As the programme progressed, students delved into advanced Python topics, including object-oriented programming (OOP) and data manipulation using libraries like NumPy and Pandas. Practical workshops and projects enabled students to apply OOP principles, work with data sets, and explore Python's applications in data analysis and automation.

The student has demonstrated Ultrasonic Distance Measurement Code Using Arduino Uno. Python programming with IoT has explained to the students briefly.

The second half of the programme focused on PHP programming, introducing students to server-side scripting, database connectivity, and dynamic web development. Students learned how to write PHP scripts, interact with MySQL databases, handle user input through web forms, and create dynamic web pages using HTML and CSS.

Overall, the Hands-on Training Programme in Python and PHP provided students with a solid foundation in programming languages and web development technologies. It empowered them with practical skills, critical thinking abilities, and the confidence to pursue further studies or careers in software development and technology.



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PHOTOS



