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A Report on One-day workshop on "Foundations of Python and Java" Organized by Department of Computer Applications in association with M/s. Qspiders, Bengaluru on 06.02.2026.

Report Submitted by: Dr. M. Saravanamuthu, Associate Professor, Dept. of Computer Applications
Resource Person details: Mr. Sugam Samanta for Python; Mr. Likith Hassan for Java
Total Participants: 71 (students-67 and faculty-4)
Duration: From 9.30am to 4.30pm
Mode of conduct: Offline
Venues: KKB108 and KKB109 (parallel sessions)

About the workshop:
The programme was started with the introduction of resource persons by the coordinator in the respective sessions. During the forenoon session of Python, the core topics such as datatypes, input/output operations, special operators were discussed. In collections of Python, strings, lists, tuple were also demonstrated through Python IDLE tool. In Java, the core topics primitive datatypes, variables, type casting both widening and narrowing were covered. In addition to this, input/output classes were demonstrated through NetBeans tool.
During the post lunch session, in Python batch, the lambda functions, user-defined functions and other common functions were demonstrated through the tool. In Java batch, Object Oriented Programming concepts - object, class, polymorphism, inheritance, abstraction and encapsulation were demonstrated to the participants.
After the post lunch session, Dr. N. Naveen Kumar, HOD/MCA, interacted with students regarding resource persons' delivery content and their performance as feedback. Most of the students replied that, both sessions were satisfactory.

Participants Feedback:
The students gained knowledge of the fundamentals of Python with the core concepts and the object-oriented programming concepts of Java and its implementations in coding level. Among the 67 participants, 34% has given good, 52% has given satisfied and 14% has given not satisfied.

Outcome of the workshop:
Participants have strengthened the basics of python in the following areas,

- Various datatypes including collections – string, list, tuple
- Multiple inputs through string functions
- New operators provided in the latest versions
- Operations based on list and tuple and java, in the following areas
- Different primitive datatypes
- Various methods in scanner class for input/output operations
- Manual and automatic conversion from one datatype to another
- Object oriented programming concepts such as objects, classes, polymorphism and reusability through inheritance models.