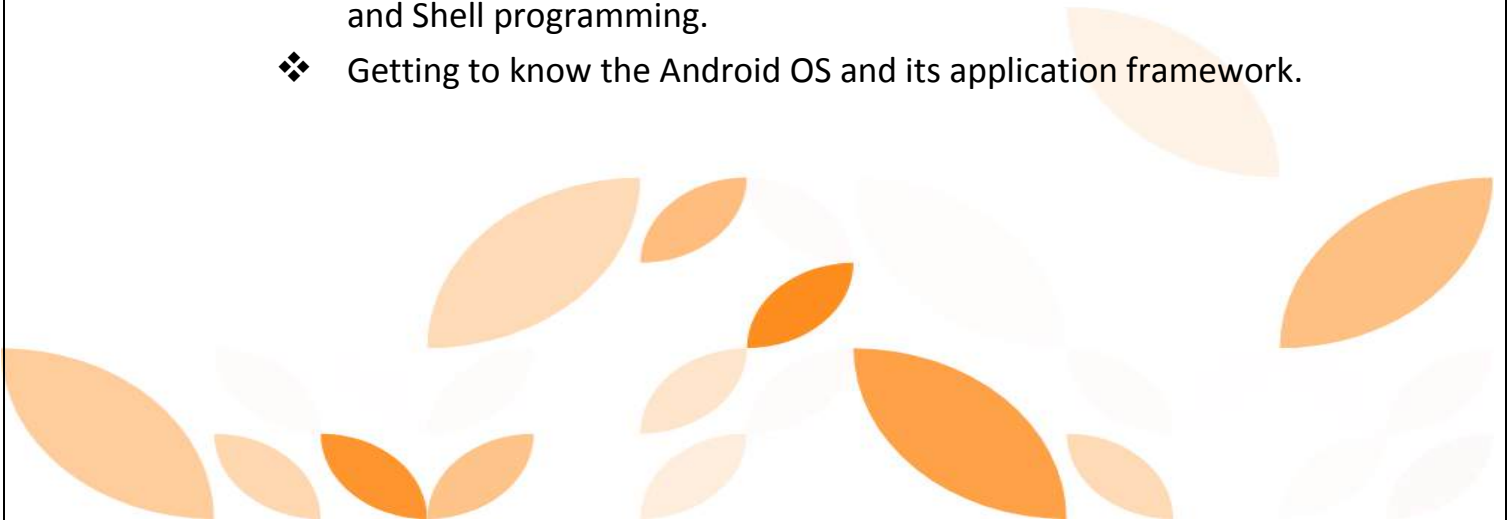




Govt. Science College, Jabalpur

B.Sc. 3rd year Computer Science Operating System (Group A - Paper I) Course Learning Outcomes (CLO)

- ❖ Describe the importance of computer system resources and the role of operating system in their management policies and algorithms.
- ❖ Specify objectives of modern operating systems and describe how operating systems have evolved over time.
- ❖ Understand various process management concept and can compare various scheduling techniques, synchronization, and deadlocks.
- ❖ Describe the concepts of multithreading and memory management techniques.
- ❖ Identify the best suited memory management techniques for any process.
- ❖ Describe various file operations, file allocation methods and disk space management.
- ❖ To understand and identify potential threats to operating systems and the security features design to guard against them.
- ❖ Learn to operate the Linux system, along with its administration and Shell programming.
- ❖ Getting to know the Android OS and its application framework.





Govt. Science College, Jabalpur

B.Sc. 3rd year

Computer Science

Programming with Python (Group A – Paper II)
Course Learning Outcomes (CLO)

- ❖ Interpret the fundamental Python syntax and semantics and be fluent in the use of Python flow statements.
- ❖ Express proficiency in the handling of string, function and file handling.
- ❖ Determine the methods to create and manipulate python programs by utilizing the data structure like lists, dictionaries, tuples and sets.
- ❖ Articulate the Object- oriented programming involves database connectivity and use of tkinter for GUI programming.





Govt. Science College, Jabalpur

B.Sc. 3rd year

Computer Science

PHP & MySQL (Group B - Paper I)

Course Learning Outcomes (CLO)

- ❖ Discover how the web works, what makes web sites work.
- ❖ Implement simple and impressive design techniques, from basics till advance to focus on goal oriented and user centric designs.
- ❖ Use ser Side Scripting.
- ❖ Implement concept of data persistence.
- ❖ Apply skills to program logic using PHP handle data using MySQL.
- ❖ Develop dynamic website using PHP & MySQL.





Govt. Science College, Jabalpur

B.Sc. 3rd year

Computer Science

Cloud Computing (Group B – Paper II)

Course Learning Outcomes (CLO)

- ❖ Analyze the trade-offs between deploying application in the cloud and over the local infrastructure.
- ❖ Compare the advantage and disadvantage of various cloud computing platforms.
- ❖ Deploy application over commercial cloud computing infrastructure such Amazon Web service, Windows Azure, and Google AppEngine.
- ❖ Program data intensive parallel application in the cloud.
- ❖ Analyze the performance, scalability, and availability of the underlying cloud technologies and software.
- ❖ Identify security and privacy issues in cloud computing.
- ❖ Explain recent research results in cloud computing and identify their pros and cons.
- ❖ Solve a real-world problem using cloud computing through group collaboration.

