

## Practical on Advanced OS and Mobile Technologies

Semester II

Subject Code: MS21904

### Learning Outcomes:

After completion of this subject, the student shall be able to:

- develop and analyze simple concurrent programs using transactional memory and message passing, and to understand the trade-offs and implementation decision
- gain knowledge of installing Android Studio and Cross Platform Integrated Development Environment.
- use the techniques, skills, and modern technology.
- develop the different applications that mobile computing offers to people, employees, and businesses
- develop high levels of technical competence in the field of mobile technology.



## Practical on Advanced OS and Mobile Technologies

Semester II	Subject Code: MS21904	Lectures: 60
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### Objectives:

The syllabus aims in equipping students with,

- Understanding difference between theory and practical applications of OS
- An exposure to various aspects of mobile and ad-hoc networks
- An ability to create different mobile application for different OS

<b>Advanced OS:</b>	<b>24</b>
<ol style="list-style-type: none"> <li>1. Assignment on File and Directory I/O-1-1</li> <li>2. Assignment on File and Directory I/O-1-2</li> <li>3. Assignment on Process-1</li> <li>4. Assignment on Process-2</li> <li>5. Assignment on Memory Management</li> <li>6. Assignment on Signal Handling</li> </ol>	

<b>Mobile Technologies:</b>	<b>24</b>
<ol style="list-style-type: none"> <li>1. Assignment on Android OS(No of assignments-4)</li> <li>2. Assignment on PhoneGap</li> <li>3. Assignment on IOS</li> </ol>	

### BOS Members:

Prof. Seema Chowhan (Subject Expert)

Prof. M.B. Lonare (Subject Expert)

Ms. Shilpa Khadilkar (Subject Expert)

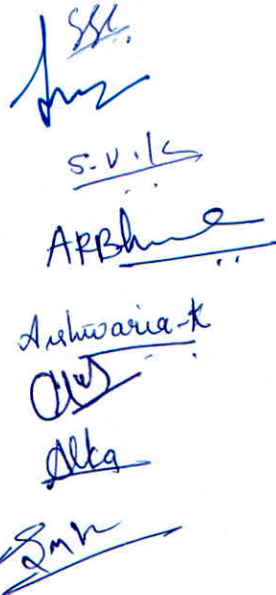
Ms Anuradha Bhamre (Industry Expert)

Ms Aishwarya Kaliyiluvila (Alumni)

Prof. Ashwini Kulkarni (Chairman)

Prof. Alka Kalhapure (Internal Faculty)


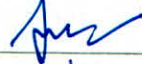
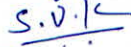

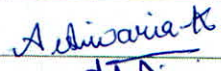


Prof. Swati Pulate (Internal Faculty)





**Reference Books:**

1. Jochen Schiller, *Mobile Communications*, Pearson Education, 2nd Edition, ISBN : 9780321123817
2. Wei-Meng Lee, *Beginning Android Application Development*, Published by John Wiley & Sons, Inc, ISBN: 978-1-118-19954-1
3. Giorgio Natili, Purusothaman Ramanujam, *PhoneGap: Beginner's Guide*, PACKT Publication, Third Edition, ISBN 978-1-78439-228-4
4. Matthijs Hollemans and Fahim Farook, *IOS Apprentice*, Publisher: Razeware, ISBN-13:9781942878391

Sr. No.	BOS member		Sign
1	Prof. Seema Chouhan	Subject Expert	
2	Prof. M. B. Lonare	Subject Expert	
3	Prof. Shilpa Kadilkar	Subject Expert	
4	Ms. Anuradha Bhamre	Industry Expert	
5	Ms. Aaishwarya K.	Alumni	
6	Prof. Ashwini Kulkarni	Chairman	
7	Prof. Shubhangi Jagtap	Internal Faculty	
8	Prof. Swati Pulate	Internal Faculty	