

PRACTICAL: MOBILE COMPUTING AND PYTHON LAB

Semester	Subject Code	Category	Lecture Hrs		Theory Hrs		Practical		Credits
			Per week	Per Sem	Per week	Per Sem	Per week	Per Sem	
III		CORE PRACTI CLA-6	3	45	0	0	3	45	3

COURSE OBJECTIVE

- This practical helps us to develop the projects using Wireless Communication, mobile Computing and Python concept.

LIST OF EXPERIMENTS

1. To set up a satellite communication link and study of change in uplink and downlink frequency
2. To establish an Audio-Video satellite link between Transmitter and Receiver
3. To Study Frequency Hopping Spread Spectrum (FHSS) Modulation and Demodulation Technique
4. To study generation(spreading) & demodulation(Despreading) of DSSS modulated signal.
5. To study radiation pattern & calculate beam width for circular & triangular patch. antenna
6. To study GPS data like longitude, latitude using GPS receiver
7. Study of Minimum Shift Keying (MSK) Modulation and Demodulation Process
8. Program to implement functions and Modules in python
9. Program to implement Collections: Sets, Dictionary
10. Program to implement Arrays using Numpy
11. Program to implement file Handling : Data streams, Access modes, Read/Write/Seek
12. Program to implement Exceptional Handling: hierarchy, raise, assert

Distribution of Marks: Program Output with Viva voce: 85% and Record: 15%

SYLLABUS DESIGNER

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