



ADAMA SCIENCE AND TECHNOLOGY UNIVERSITY
SCHOOL OF ELECTRICAL ENGINEERING AND COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
LAB COURSE DESCRIPTION

Course Title	WIRELESS MOBILE NETWORKS
Course Code	CSE4311
Prerequisite	-
Language	English
Level	Fifth Year

Assistant	Mr. Yohannes Kifle	Office Tel	-
E-mail	Joey.kifle@gmail.com or Yohannis.kifle@astu.edu.et Github: github.com/joekifle	Office No	-

Course Materials / Main References
Main Reference: 1. https://developer.android.com

Weekly Schedule / Summary of Topics	
Week 1	Introduction: installing the software.
Week 2 & 3	Introduction to Telecom Frameworks (Building a calling app)
Week 4	GPRS/3G/4G (determining connection type, turning on and off data, getting sent and received data)
Week 5	Android Bluetooth overview and Test App
Week 6	Android VPN APIs
Week 7	Wi-Fi – Using WifiManager API
Week 8	Android VPN API
Week 9	User Location
Week 10	Setting up SMS server
Requirements	
<ul style="list-style-type: none"> ▪ The students are required to attend lecture and lab classes ▪ The students are required to have a working and fully functional laptop or computer with all the necessary softwares and libraries installed. ▪ 	

Method of Lab Assessment			
Evaluation and Grading	Team Project	Exercises	Total
Percentage	15%	5 %	20 %