

LABORATORIES DEPARTMENT OF COMPUTER ENGINEERING
ROADMAP 2011 - 2015

1. NETWORK AND SECURITY LABORATORY
LABORATORIUM JARINGAN DAN SISTEM KEAMANAN (LAB-JARINGAN)
2. SOFTWARE ENGINEERING AND MOBILE DEVICES LABORATORY
LABORATORIUM PERANGKAT LUNAK DAN PERANGKAT BERGERAK (LAB-RPL/PB)
3. ROBOTIC AND EMBEDDED SYSTEM LABORATORY
LABORATORIUM ROBOT DAN SISTEM EMBEDDED (LAB - RS)

1. NETWORK AND SECURITY LABORATORY

PHASE I 2011

- Training for Instructor Network (CCNA Instructor) III & IV integrated Computer Eng Curriculum (Expert Network I and Expert Network II)
- Get Router and Switch for Practical Cisco Network Academy III and IV phase
- Hardware peripheral to support Network Laboratory

PHASE II 2012

- Training for Instructor Network Security Instructor
- Training for Instructors to get Mikrotik OS Certified
- Get Router for Security Network Curriculum

PHASE III 2013

- Training for Instructor Cisco Certified Network Professional
- Get Switch and Router reason for Expert Network to Professional Certificated (students Certified)

PHASE IV 2014

- Instructor Certified CCNA and CCNA Security
- Get Mikrotik Completed Hardware and Software Infrastructure
- Fiber Optic Installation to Network Laboratory
- One students get one router and switch to get Practical Network

PHASE V 2015

- Instructor Certified CCNP
- Server Network Hardware Processor to get Architecture of Network Laboratory
- Expert Security Network Laboratory with Processors Network system

2. SOFTWARE ENGINEERING AND MOBILE DEVICE LABORATORY

PHASE I 2011

- Training for mobile system device: BlackberryOS, Android, iOS and others mobile system
- Training Instructors for Oracle database modul
- Get Infrastructure hardware and software for BES and others mobile device
- Get hardware infrastructure to build Oracle database laboratory

PHASE II 2012

- Training Instructors for Database Microsoft SQL Server Practical Modul
- Training Instructors for Java Practical Modul
- Get Hardware Infrastructure to create SQL Server Database Laboratory

PHASE III 2013

- Training Instructors for Microsoft Application Programming
- Get Microsoft joint to Campus Agreement
- Get Infrastructure Hardware and Software to get Microsoft Practical Laboratory

PHASE IV 2014

- Training Instructors for DB2 database server IBM laboratory
- Get Infrastructure Hardware and Software to get DB2 database server completed certified

PHASE V 2015

- Get completed infrastructure to support database IBM laboratory, Oracle Laboratory MS SQL Serve, BES laboratory a client supported.
- Development Integrated Database Laboratory.

3. ROBOTIC AND EMBEDDED SYSTEM LABORATORY

PHASE I 2011

- Completing lab. infrastructure (practical modules) for Robotic Lab work
- Completing lab. infrastructure (practical modules) for Microprocessor Lab work
- Completing lab. infrastructure (practical modules) for Interface Lab work

PHASE II 2012

- Completing Laboratory to get Embedded FPGA system Laboratory
- Completing to get Digital Basic and Digital Expert Practical Laboratory
- Joining at Robot National Competition KRI & KRCI

PHASE III 2013

- Completing Laboratory to get Remote Sensing system laboratory
- Joining at Microprocessor Design Competition 2012
- Joining at Remote Sensing with Aeromodel Kit 2013

PHASE IV 2014

- Training for Digital basic and Expert Laboratory Assistant
- Joining at electronic national design competition

PHASE V 2015

- Training Instructors for Microprocessor and interface Lab work
- Training Instructors for Robotic Lab work
- Training Instructors for Embedded FPGA Lab work