**Some suggested topic for research-based projects:**

**Security analysis of LTE Networks**

**Security loopholes in WIFI systems**

**Authentication key agreement protocols for IoT enabled LTE/LTE-A networks**

**Authentication key agreement protocols for IoT systems**

**IoT networking using MPTCP technology**

**Evaluation of MPTCP protocols**

**Evaluation of different Packet Scheduler for Multipath TCP (MPTCP)**

**Security analysis of IoT systems**

**Security analysis of 5G Networks**

**Evaluation of X2 handover in LTE Networks**

**Security analysis of X2 handover in LTE Networks**

**Evaluation of WLAN-LTE handover**

**Evaluation of WLAN-LTE Networks**

**Security analysis of WLAN-LTE Networks**

**Evaluation of Efficient SDN-Based Routing protocol**

**Evaluation of routing protocol for VANET network**

**Others . . . .**

**Some suggested topic for industrial projects:**

**Analysis/Design/implementation/testing one mobile-based software**

**Analysis/Design/implementation/testing one Windows-based software**

**Analysis/Design/implementation/testing one WEB-based software**

**Others . . . .**

**Prepare your proposal:**

**\*\*\*please select your topic from list above or find your interested topic and prepare your proposal based on it and submit your proposal by 15 November 2022 (In hard copy (printed paper)) \*\*\***

**\*\*\*In the proposal, you must cover the answers of important questions such as:**

1. **Which simulation tool or programming language would you like to work with it?**
2. **What is the goal of your project?**
3. **Mention some general introduction about your selected topic?**
4. **Fill the timetable below according to your ability/time/etc. (pay attention, you must finish your project in two semesters, so you can calculate your time and progress according to two semesters)**

**(If you select research based project)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Confirm proposal** | **Reading fundamental (introduction)** | **Review related works** | **Designing your idea/protocol/method** | **Implement/simulate your method** | **Writing thesis** | **Writing conference paper (optional)** |
| **By 15-11-2022** |  |  |  |  |  |  |

**(If you select industrial project)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Confirm proposal** | **Analysis** | **Design** | **implementation** | **testing** | **Writing thesis** |
| **By 15-11-2022** |  |  |  |  |  |