

# LESSON PLAN

| Period | Date (Tentative) | Topic                              | Unit No. | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|------------------|------------------------------------|----------|----------------------|---------|-------------------------------|
| 1      | 23-12-13         | Cellular Network                   | I        | ce                   |         |                               |
| 2      | 24-12-13         | Ad hoc Network and their uses      | I        | "                    |         |                               |
| 2      | 24-12-13         | Characteristics of MANET           | I        | "                    |         |                               |
| 2      | 25-12-13         | Application of MANET               | I        | "                    |         |                               |
| 1      | 30-12-13         | Issues and Challenges of MANET     | I        | "                    |         |                               |
| 2      | 30-12-13         | Issues and Challenges of MANET     | I        | "                    |         |                               |
| 2      | 31-12-13         | Issues and Challenges of MANET     | I        | "                    | Blank   |                               |
| 2      | 1-1-14           | Introduction of Routing            | II       | ce                   |         |                               |
| 2      | 2-1-14           | Classification of Routing Protocol | II       | "                    |         |                               |
| 1      | 6-1-14           | Topology based MANET               | II       | "                    |         |                               |
| 2      | 6-1-14           | Position based Approaches          | II       | "                    |         |                               |
| 2      | 7-1-14           | Topology based vs                  | II       | "                    |         |                               |
|        |                  | Position based MANET               |          |                      |         |                               |
| 2      | 8-1-14           | Topology based Routing Protocols   | II       | "                    |         |                               |
| 2      | 9-1-14           | Position Based Routing Protocol    | II       | "                    |         |                               |
| 2      | 16-1-14          | Other Routing Protocol             | II       | "                    | Blank   |                               |
| 2      | 20-1-14          | Broadcast Casting Network          | III      | ce                   |         |                               |
| 2      | 21-1-14          | Multicast Network                  | III      | "                    |         |                               |
| 2      | 22-1-14          | Geocasting Network                 | III      | "                    |         |                               |
| 2      | 23-1-14          | TCP Overview                       | III      | "                    |         |                               |

| Period | Date (Tentative) | Topic                          | Unit No.   | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|------------------|--------------------------------|------------|----------------------|---------|-------------------------------|
| 2      | 27-1-14          | Ad hoc Network over the TCP    | <u>III</u> | cl                   |         |                               |
| 2      | 28-1-14          | TCP and MANETS                 | <u>III</u> | "                    |         |                               |
| 2      | 29-1-14          | Solutions for TCP over Ad Hoc  | <u>III</u> | "                    |         |                               |
| 2      | 30-1-14          | Solutions for TCP over Ad Hoc. | <u>III</u> | <i>BLW</i> "         |         |                               |
| 1      | 3-2-14           | Network Security Overview.     | <u>IV</u>  | cl                   |         |                               |
| 2      | 3-2-14           | Security in Ad Hoc Network     | <u>IV</u>  | "                    |         |                               |
| 2      | 4-2-14           | Key Management.                | <u>IV</u>  | "                    |         |                               |
| 2      | 5-2-14           | Key Management                 | <u>IV</u>  | "                    |         |                               |
| 2      | 6-2-14           | Secure Routing                 | <u>IV</u>  | "                    |         |                               |
| 1      | 17-2-14          | Secure Routing                 | <u>IV</u>  | "                    |         |                               |
| 2      | 17-2-14          | Cooperation in MANETS          | <u>IV</u>  | "                    |         |                               |
| 2      | 18-2-14          | Intrusion Detection Systems    | <u>IV</u>  | <i>BLW</i> "         |         |                               |
| 2      | 19-2-14          | Introduction to                | <u>V</u>   | cl                   |         |                               |
|        |                  | Sensor Network                 |            | "                    |         |                               |
| 2      | 20-2-14          | about micro mote               | <u>V</u>   | "                    |         |                               |
| 1      | 24-2-14          | about sensing                  | <u>V</u>   | "                    |         |                               |
| 2      | 24-2-14          | sensing network and            | <u>V</u>   | "                    |         |                               |
|        |                  | Communication                  |            |                      |         |                               |
| 2      | 25-2-14          | Sensor Network                 | <u>V</u>   | "                    |         |                               |
|        |                  | Design Issues                  |            |                      |         |                               |

# LESSON PLAN

| Period | Date (Tentative) | Topic  | Unit No    | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|------------------|--|------------|----------------------|---------|-------------------------------|
| 2      | 26-2-14          | Energy Consumption                                 | <u>V</u>   | CL                   |         |                               |
| 2      | 27-2-14          | clustering of<br>sensors                           | <u>V</u>   | "                    |         |                               |
| 2      | 3-3-14           | sensor network<br>application                      | <u>V</u>   | <del>CL</del>        |         |                               |
| 2      | 4-3-14           | Classification<br>of wireless<br>sensor network    | <u>VI</u>  | CL                   |         |                               |
| 2      | 5-3-14           | MAC Layer  | <u>VI</u>  | "                    |         |                               |
| 2      | 6-3-14           | Routing Layer                                      | <u>VI</u>  | "                    |         |                               |
| 2      | 10-3-14          | High Level<br>Application Layer<br>Support         | <u>VI</u>  | "                    |         |                               |
| 2      | 11-3-14          | High Level<br>Application layer<br>support         | <u>VI</u>  | "                    |         |                               |
| 2      | 12-3-14          | Adapting the<br>WSN                                | <u>VI</u>  | "                    |         |                               |
| 2      | 13-3-14          | Dynamic<br>Nature of WSN                           | <u>VI</u>  | "                    |         |                               |
| 2      | 14-3-14          | Classification<br>of<br>Wireless sensor<br>Network | <u>VI</u>  | "                    |         |                               |
| 2      | 18-3-14          | Sensor Node<br>Hardware                            | <u>VII</u> | <del>CL</del>        |         |                               |
| 2      | 19-3-14          | Sensor Node<br>Hardware                            | <u>VII</u> | "                    |         |                               |
| 2      | 20-3-14          | Sensor Network<br>programming                      | <u>VII</u> | "                    |         |                               |



# LESSON PLAN

| Period | Date (Tentative) | Topic                                  | Unit No     | Teaching Methodology | Remarks | Corrective Action Upon Review |
|--------|------------------|--|-------------|----------------------|---------|-------------------------------|
| 2      | 24-3-14          | Sensor Network programming             | <u>VII</u>  | CL                   |         |                               |
|        |                  | challenges                             |             | "                    |         |                               |
| 2      | 25-3-14          | Node level software platforms          | <u>VII</u>  | "                    |         |                               |
| 2      | 26-3-14          | Model level software platform          | <u>VII</u>  | "                    |         |                               |
| 2      | 27-3-14          | Node - level Simulators                | <u>VII</u>  | "                    |         |                               |
| 2      | 31-3-14          | Node - Level Simulators                | <u>VII</u>  | BLW                  |         |                               |
| 2      | 1-4-14           | Security in Wireless                   | <u>VIII</u> | CL                   |         |                               |
|        |                  | sensor Network                         |             |                      |         |                               |
| 2      | 2-4-14           | Key Management in                      | <u>VIII</u> | "                    |         |                               |
|        |                  | wireless sensor Network                |             |                      |         |                               |
| 2      | 3-4-14           | Secure data Aggregation                | <u>VIII</u> | "                    |         |                               |
| 2      | 7-4-14           | Secure data Aggregation                | <u>VIII</u> | "                    |         |                               |
| 2      | 8-4-14           | Introduction to Vehicular              | <u>VII</u>  | "                    |         |                               |
|        |                  | Ad hoc Network                         |             |                      |         |                               |
| 2      | 9-4-14           | Introduction to Vehicular              | <u>VII</u>  | "                    |         |                               |
|        |                  | Ad hoc network                         |             |                      |         |                               |
| 2      | 10-4-14          | Introduction to Wireless Mesh Networks | <u>VII</u>  | BLW                  |         |                               |
|        |                  |  |             |                      |         |                               |
|        |                  |  |             |                      |         |                               |