## Department of Statistics

| Course Name               | Course Code | Course Outcome                        |
|---------------------------|-------------|---------------------------------------|
| Descriptive Statistics    | STICMT01    | Implement knowledge in basic          |
|                           |             | Statistical techniques for solving    |
|                           |             | everyday problems by analysing        |
|                           |             | relevant data.                        |
| Probability Theory        | ST2CMT02    | Understand the applications of        |
|                           |             | probability theory in the day to      |
|                           |             | day life.                             |
| Probability Distributions | ST3CMT03    | Understand the applications of        |
|                           |             | probability distributions in the real |
|                           |             | data and the use of different         |
|                           |             | sampling distributions.               |
| Statistical Inference     | ST4CMT04    | Upon the completion of the            |
|                           |             | course, the students will be able     |
|                           |             | to do the estimation procedures       |
|                           |             | and hypothesis testing problems.      |

| Basic Statistics and introductory<br>Probability Theory | ST1CMT01 | Understand basic Statistical<br>techniques and probability theory<br>for solving everyday problems by<br>analysing relevant data.   |
|---|----------|---|
| Advanced Statistical Methods                            | ST3CMT02 | Understand the applications of<br>probability distributions in the real<br>data and the students will be able<br>to do the estimation procedures<br>and hypothesis testing problems.                      |
| Operations Research                                     | M4C01    | On the completion of the course<br>students will be able to formulate<br>mathematical model of the<br>optimization problems and do the<br>problems such as assignment,<br>transportation and game theory. |