

Department of Electronics & Communication Engineering

Training on MATLAB & Scilab

Department of Electronics & Communication Engineering, SISTec, Ratibad administered the “**Training on MATLAB & Scilab**” in **January 2019**. The Training was organized for 2nd & 3rd year, Electronics & Communication Engineering students to conduct analysis and development in a mathematical based environment.

Duration - The training was conducted for 4 days.

MATLAB & Scilab Training: The MATLAB & Scilab Training is planned to provide basic understanding about the MATLAB & Scilab platform and to exploit its integration in the field of signal and image processing.

| S.No. | Topic | Duration (in hours) |
|-------|---|---------------------|
| 1 | <ul style="list-style-type: none"> • Introduction to MATLAB • Basic programs of Matrices • Difference between elemental operation & matrices operation with examples • Plotting of functions like parabolic, Quadratic equation, cubic equation & Polar Plot • Pole-Zero plots of Transfer function • Multiple plots like Trigonometric, Exponential & Combination of Trigonometric and Exponential function • Common MATLAB functions • 2D plot like Bar Chart & Pie Chart • Stem Plot like Pulse Train, Unit step etc • Convolution of two sequences & their Plots • Frequency Response of Signals • DFT of two sequence • 3D Plot of line, Surface, Contour & cylindrical • 3D Animation. • Introduction to SCILAB • SCILAB image processing toolbox • Practical performed on DSP, Control System, Analog communication etc | 24 |

List of Students benefited from this Training Program

| S.No. | Enroll. No. | Name Of Student | Semester | Branch |
|-------|--------------|---------------------|----------|---------------------|
| 1 | 0537EC171001 | Amit Singh Rajput | IV | Electronics & Comm. |
| 2 | 0537EC171002 | Ashish Patel | IV | Electronics & Comm. |
| 3 | 0537EC171004 | Chandan Sen | IV | Electronics & Comm. |
| 4 | 0537EC171006 | Prateek Gupta | IV | Electronics & Comm. |
| 5 | 0537EC171007 | Ravi Shankar Shukla | IV | Electronics & Comm. |
| 6 | 0536EC171003 | Yash Kurchaniya | IV | Electronics & Comm. |

| S.No. | Enroll. No. | Name Of Student | Semester | Branch |
|-------|--------------|----------------------|----------|---------------------|
| 1 | 0537EC161003 | Gagan Parihar | VI | Electronics & Comm. |
| 2 | 0537EC161007 | Neetu Nayak | VI | Electronics & Comm. |
| 3 | 0537EC161009 | Pranshi Tamrakar | VI | Electronics & Comm. |
| 4 | 0537EC161012 | Shalini Singh | VI | Electronics & Comm. |
| 5 | 0537EC161016 | Vishal Singh Chauhan | VI | Electronics & Comm. |
| 6 | 0536EC161001 | Akash Singh | VI | Electronics & Comm. |
| 7 | 0536EC161002 | Naeem Khan | VI | Electronics & Comm. |
| 8 | 0536EC161003 | Prabhathi Mohanta | VI | Electronics & Comm. |
| 9 | 0536EC161004 | Priyanka Shrivastava | VI | Electronics & Comm. |
| 10 | 0536EC161006 | Vipul Singh | VI | Electronics & Comm. |
| 11 | 0536ME161017 | Himanshu Gupta | VI | Electronics & Comm. |