



SYNCOM

ECE Dept. NEWS LETTER

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Student Coordinators:

Ms.B.Sai Anjani

Mr.K.Amarnath

Mr.G.Saketh

Ms.Ch.Kaya Sri

Editors:

Prof.K.Madhusudhan Rao

Mr.Maduguri Sudhir

Ms.K.Leela Rani



VISION, MISSION & PEO'S

Vision

Developing highly Qualitative, Technically Competent and Socially Responsible Engineers.

Mission

To provide quality education in the domain of Electronics and Communication Engineering through

- Enriched curriculum for addressing the needs of Industry.
- Effective teaching learning processes through congenial environment.
- Gaining contemporary knowledge through research, development, curricular, co and extra-curricular.

ECE Program Educational Objectives

Graduates of Electronics & Communication Engineering Shall

PEO1: Develop a strong background in basic science and mathematics and ability to use these tools in their chosen fields of specialization.

PEO2: Have the ability to demonstrate technical competence in the fields of electronics and communication engineering and develop solutions to the problems.

PEO3: Attain professional competence through life-long learning such as advanced degrees, professional registration, and other professional activities.

PEO4: Function effectively in a multi-disciplinary environment and individually, within a global, societal, and environmental context.

PEO5: Take individual responsibility and to work as a part of a team towards the fulfillment of both individual and organizational goals.

The institute is a symbol of egalitarian outlook without discretions. KITS student activity council is organized exclusively by students with representatives from various disciplines stands for the advocacy of democracy and leadership opportunities provided by the institute. KITS student clubs enable all the students and staff mingle freely to express their views and share their talents and expertise. **KITS imparts Outcome Based Education (OBE)** which gives equal opportunities to teaching and learning curricular, co-curricular and extra-curricular activities



The ECE department III Year students conducted “Farewell Party” on April 09th 2019 from 10.00 AM to 5.00 PM in the KITS College. It was an incredible evening hosted and organized by III ECE students, to bid farewell for IV ECE students. This is to wish them a great future.

The third year students started the programme stated by inviting the Seniors to the stage with flowers.



The programme started at 10.30 AM with a prayer followed by delivering a few soothing messages by the Secretary, Principal, HOD and their class teachers. HOD sir wished good luck to the final year students for their future. Secratry Sir expressed his hope that students will continue holding best positions in upcoming university exams and in career. Principal wished the IV year students. He explained a story which tells the importance of Attitude

Students of B.Tech 3rd year presented very entertaining group dance, solo dance and solo song performances. Students of III ECE performed music on keyboard, dances and each student was given an interesting task, to perform. Some exciting games were also arranged for the students and were enjoyed by all. Token of love and appreciation was given to the students by their juniors in “Memento distribution ceremony”

FACULTY ACHIEVEMENTS:



Mrs.P.Sarala published a book in “LAMBERT Academic Publications” on “Efficient Adaptive Antenna Steering using INLMS Algorithm”
BOI: 978-613-9-46372-5.



Mr.Maduguri Sudhir Published a paper in “International Journal of Research in Advent Technology NCKIETS’19 E-ISSN: 2321-9637”
“Trilogy of MSG Algorithm for the Recognizing the Tumor in Brain”

Mr.M.Venu Published a paper in “International Journal of Research in Advent Technology NCKIETS’19 E-ISSN: 2321-9637”
“Designing and Implementation of Digitalized Boat Navigation System Using GPS”



Ms.K.Leela Rani Published a paper in “International Journal of Research in Advent Technology NCKIETS’19 E-ISSN: 2321-9637”
on **“A Novel Design of Hexadecagon Circular Patch Antenna for Multi Frequency of Operation in Satellite Communications”**

STUDENT ACHIEVEMENTS

The following **II year students** Published a paper in “International Journal of Research in Advent Technology NCKIETS’19 E-ISSN: 2321-9637 on “Image Based Vehicle Number Plate Decoding”



**DURGA NAGA
SAI VENKATA
SREEJA T
17JR1A0421**



**DASARI
ANITHA
17JR1A0419**



**CH. JAIRAM
17JR1A0453**



**C.BASWANTH
VIGNESH
17JR1A0448**

The following **IV year students** Published a paper in “International Journal of Research in Advent Technology NCKIETS’19 E-ISSN: 2321-9637 on “Trilogy of MSG Algorithm for the Recognizing the Tumor in Brain”



**A.Krishna
Teja Sree
15JR1A0406**



**Bolla Pooja
Reddy
15JR1A0414**



**Ankolu Vijaya
Lakshmi
15JR1A0404**

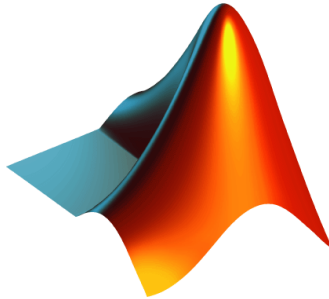


**Chinthabathina
Kalpana
15JR1A0421**

WHAT IS MATLAB?

MATLAB is a high-performance language for technical computing. It integrates computation, visualization, and programming in an easy-to-use environment where problems and solutions are expressed in familiar mathematical notation. Typical uses include:

- Math and computation
- Algorithm development
- Modeling, simulation, and prototyping
- Data analysis, exploration, and visualization
- Scientific and engineering graphics
- Application development, including Graphical User Interface building



MATLAB is an interactive system whose basic data element is an array that does not require dimensioning. This allows you to solve many technical computing problems, especially those with matrix and vector formulations, in a fraction of the time it would take to write a program in a scalar noninteractive language such as C or Fortran.

The name MATLAB stands for matrix laboratory. MATLAB was originally written to provide easy access to matrix software developed by the LINPACK and EISPACK projects, which together represent the state-of-the-art in software for matrix computation.

MATLAB has evolved over a period of years with input from many users. In university environments, it is the standard instructional tool for introductory and advanced courses in mathematics, engineering, and science. In industry, MATLAB is the tool of choice for high-productivity research, development, and analysis.

MATLAB features a family of application-specific solutions called toolboxes. Very important to most users of MATLAB, toolboxes allow you to *learn* and *apply* specialized technology. Toolboxes are comprehensive

collections of MATLAB functions (M-files) that extend the MATLAB environment to solve particular classes of problems. Areas in which toolboxes are available include signal processing, control systems, neural networks, fuzzy logic, wavelets, Simulation, and many others.

The MATLAB System

The MATLAB system consists of five main parts:

The MATLAB language.

This is a high-level matrix/array language with control flow statements, functions, data structures, input/output, and object-oriented programming features. It allows both "programming in the small" to rapidly create quick and dirty throw-away programs, and "programming in the large" to create complete large and complex application programs.

The MATLAB working environment.

This is the set of tools and facilities that you work with as the MATLAB user or programmer. It includes facilities for managing the variables in your workspace and importing and exporting data. It also includes tools for developing, managing, debugging, and profiling M-files, MATLAB's applications.

Handle Graphics.

This is the MATLAB graphics system. It includes high-level commands for two-dimensional and three-dimensional data visualization, image processing, animation, and presentation graphics. It also includes low-level commands that allow you to fully customize the appearance of graphics as well as to build complete Graphical User Interfaces on your MATLAB applications.

The MATLAB mathematical function library.

This is a vast collection of computational algorithms ranging from elementary functions like sum, sine, cosine, and complex arithmetic, to more sophisticated functions like matrix inverse, matrix eigenvalues, Bessel functions, and fast Fourier transforms.

The MATLAB Application Program Interface (API).

This is a library that allows you to write C and Fortran programs that interact with MATLAB. It include facilities for calling routines from MATLAB (dynamic linking), calling MATLAB as a computational engine, and for reading and writing MAT-files.

By/-
Mr.G.Saketh
(III ECE)

**THE ART
OF COMMUNICATION IS
THE LANGUAGE OF
LEADERSHIP...**

- James Humes

KITS KKR & KSR INSTITUTE OF
TECHNOLOGY & SCIENCES

Department of Electronics and Communication Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING