



## CURRICULUM ESSENTIALS



# COMPUTER APPLICATIONS

# VISION

To develop responsible citizens who would 'think global and act local' and become the change agents of society to meet the challenges of future.

# DEPARTMENT MISSION

The Computer Applications department aims to bridge the gap between science and technological aspects of the students coming from various academic backgrounds through innovative teaching-learning pedagogy developing computer application skills, interpersonal skills, eagerness towards innovation and inclination towards collective achievement of the objectives through team work.

# Program Educational Objectives (PEO)

**PE01:** Post Graduates are trained to be employed in IT industries, Government and Semi Government institutions to develop computational solutions for smooth functioning of the country.

**PE02:** Inspired Post Graduates can take up M.Tech / MS / PhD courses in order to pursue their higher educational ambitions.

**PE03:** PGs are trained to be good entrepreneurs to support their own and other's innovative business ideas in order to create an entrepreneurship culture in the country.

**PE04:** PGs are educated to be good and responsible citizens of the country in order to take the society to the next level of prosperity.

# Program Outcome (PO)

**P01:** Ability to apply mathematical and computational principles to design and develop computer based applications for human use.

**P02:** Ability to apply computer science and engineering knowledge from all disciplines to develop applications in the areas of banking, finance, business, agriculture and health care, etc, in collaboration with professionals from these domains.

**P03:** Ability to work in a team towards common goal or objective.

**P04:** Ability to devise computational solutions for problems after analyzing them and their computational requirements.

**P05:** Ability to generate original ideas culminating into modern and out-of-the-box solutions for day to day problems, serving the society in general for a long time.

**P06:** Ability to communicate with a wide range of people in order to understand them and communicate effective solutions to the society.

**P07:** An Ability to analyze local and global impact of current and proposed computational solutions to various problems of the society.