



Jamal Mohamed College (Autonomous) Trichy

Department of Computer Applications

BCA

Students will be able to

- ✚ Discuss the programming languages C, C+, Java, Python and other operating systems and database management systems.
- ✚ Apply the numerical and statistical methods and the principles of accountancy for computation and operations research and communicate them in written and oral mode.
- ✚ Illustrate scripting languages and practical application of data analytical tools and software testing tool to solve problems in computer operating systems.
- ✚ Employ multimedia, data communications, networking principles, office automation, image editing tools and the concept of software engineering in business contexts.
- ✚ Recognize the social and ethical issues in media operated systems and apply the knowledge of Mathematics and management in computer applications to advance in studies and professionalism.



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MCA

Students will be able to

- ✚ Express computing fundamentals, basic Mathematics, Computing specialization, and domain Knowledge of proper computing models for defined problems.
- ✚ Develop and apply computer based applications to solve real problems and recognize the technological developments in the usage of modern design and development tools to design a variety of applications.
- ✚ Recall management principles and apply them to develop software as a team member and manage projects efficiently for multidisciplinary environments.
- ✚ Associate multidisciplinary knowledge through real-time projects and industry training and providing a sustainable competitive edge in R&D and meeting industry requirements.
- ✚ Choose career prospects in industry, government sectors, academia, research, consultancy firms and entrepreneurship pursuit.

PGDCA

Students will be able to

- ✚ Explain the programming in C, principles of accountancy, office automation, visual programming, shell programming and web designing.
- ✚ Compute practical application of editing, programming, web designing and visual programming using domain knowledge.
- ✚ Demonstrate creativity, develop innovative ideas and to work in teams to accomplish a common goal.
- ✚ Define and solve problems individually and with groups, using a variety of resources and methods, including technology and scientific reporting.
- ✚ Conceive employability and entrepreneur skills bearing ethics and social responsibility.