DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE (AUTONOMOUS)

College with Potential for Excellence, Linguistic Minority Institution, Affiliated to University of Madras, Arumbakkam, Chennai-600 106.

PG and Research Department of Master of Computer Applications (MCA) (MCA Course - Aided and approved by AICTE)

Prospectus 2021-2022

About the Department

The Department of MCA was started in the year 1987 to provide a conducive ambiance for learning management and career-oriented subjects.

The department has fine-tuned the curriculum by introducing specialized subjects by the requirements of the industry from time to time and to inculcate knowledge to the students in the field of information technology and current trends.Recently, the department has obtained the approval from the AICTE for the said course.

Vision

Empower every student to be innovative, creative and productive in the domain of computer science by imparting quality education, developing skills and inculcating human values.

Objective

To make the students technically talented in information technology field. The department has tie up with IIT Mumbai (Spoken Tutorial Project) which offers certificate courses to help the students to gain exposure towards leading IT tools and languages which is a part of the curriculum to earn credits. The students are advised to enroll for online MOOC courses to gain knowledge. The hall mark of the department is regularly updating the curriculum in consultation with the IT experts who are members of the Board of Studies (BoS) to introduce the current technologies prevailing in the market. This enhances our students to upgrade their skills for employment.

Mission

- To organize workshops at regular intervals to bridge the gap between the academia and industry.

- To enable the students to be industry ready by developing state-of-the-art curriculum in tune with industry requirements.

- To facilitate the students to excel in the challenging scenario by providing the necessary skill set.

- To make students to understand the concepts using innovative teaching methods.

Faculty Members

Teaching Staff

Dr. T. Santhanam, M.Sc. PGDCA Ph.D.
Associate Professor and Head of the Department

Dr. T. Velmurugan,
M.Sc., M.Phil., B.Ed., PGDCA, Ph.D.
Associate Professor

Dr. S. Santhosh Baboo, M.Sc.,Ph.D.,S.L.E.T.
Principal

Dr. R. Anandhi, M.C.A. M.Phil., Ph.D. SET NET.
Assistant Professor

Dr. K. Angayarkkani, M.C.A. M.Sc,MPhil,Ph.D.
Assistant Professor

Dr. T. Sridevi, M.Sc.,M.C.A.,M.Phil.,Ph.D., SET.
Assistant Professor

Ms. A. S. Thenmozhi, M.Sc., M.Phil., MCA, PGDCA.
Assistant Professor

Ms. M. P. Sukassini, M.C.A, M.Phil, SET.
Assistant Professor

Non-Teaching Staff

Mr. V. Thirupathy Raju, **B.C.A.**
Lab Assistant (SG)

Mr. V. Deva Prasanna Kumar, **B.Sc.**
Lab Assistant

Mr. A. Venkataraman
Attender

Courses Offered

- 2 Years MCA Programme (Aided and AICTE approved, Full time)
- Ph.D., in Computer Science (Full time and Part time)

Eligibility Criteria for Admission:

- A pass in UG Degree/ Bachelor Degree in Computer Science Engineering with Mathematics at 10+2 level or at Graduation Level obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination (as per AICTE norms).

- Candidates should have appeared for the TANCET (MCA) Examination conducted by Anna University, Chennai-600025 during March 2021.

Highlights

- 34 years of Academic Journey
- Aided PG Course
- Internship Training
- Nominal fees
- Highly-experienced staff
- Mentor-Mentee System
- Soft skills courses
- Excellent placement record
- Started MCA Programme right from the year of inception 1987 under University of Madras
- Department Library-600 books on various topics
- Latest and upgraded syllabus
- Regular Parent-Teacher meetings
- No cancellation of classes
- Periodical Guest lectures/ Seminars/ Workshops
- Department Newsletter -WEBYTZ
- 2 years full time course with 6 months duration for Real time project
- AICTE approved course with an intake of 60 seats since 2019
- Excellent Infrastructure facilities
- Spoken tutorial course -Certificate by IIT Mumbai
- Remedial Coaching for Slow Learners
- 50% of seats filled by Anna University Counseling. Counseling code-322D
- Choice of choosing Electives
- Swayam Certificate Course
- Furnished classroom with projector and smartboard
- Consistent student admission since 1987 - Currently 140 students
- Computer Lab -60 systems with latest configuration
- Scholarship for students
- Career Guidance

Placements

Our proud alumni are not limited to:

ALL INDIA RADIO NEWS · ALLSEC TECHNOLOGIES LIMITED · AXIS BANK · YES BANK · Clayfin · Cognizant · DVARA KGFS · EXL · dpi DEPARTMENT OF PUBLIC INFORMATION · firstsource · GMMCO PUSHING BOUNDARIES · IDEAS2IT · HCL · Infosys · indium · spinebiz · TATA · TATA COMMUNICATIONS · wipro · IBM · KARYA Technologies · MERIT software · SANDVIK · Tagit · Phantomfx · Mindtree · Capgemini · Rays and Reach · UTiS united we solve · mi · TAMIL NADU POLICE · Zero Gravity Photography · விஜய் · Φ · HDB FINANCIAL SERVICES · SUTHERLAND · verizon · Harchan Consultants Pvt Ltd

Infrastructure

> MCA Block (Krishna block)

> MCA Department Library

> MCA Computer Centre

> MCA Classroom

Curriculum Overview

FIRST SEMESTER

1. Principles of Database Management Systems
2. Advanced Java Programming
3. Advanced Data Structures and algorithms
4. Operating System Concepts
5. Basics of Statistics
6. Database Programming Lab
7. Advanced Java Programming Lab

SECOND SEMESTER

1. Python for Data Science
2. Mobile Application Development
3. Fundamentals of Machine Learning
4. Mobile Communications
5. (a)Principles of Digital Image Processing
   (b)Introduction to Multimedia
   (c)Computer Animation
6. Python for Data Science Lab
7. Mobile Application Development Lab

THIRD SEMESTER

1. Introduction to Big Data Analytics
2. Dot Net Programming
3. Principles of Cloud Computing
4 .(a)Computer Forensics and Bioinformatics
   (b)Network Security
   (c)Information Security
5 (a)Introduction to Internet of Things
   (b)Block Chain Technology
   (c)Green Computing
6. Big Data Analytics Lab
7. Dot Net Programming Lab

FOURTH SEMESTER

1. Realtime Project Work

Add-on Courses

Value-Added Courses:
- **Spoken Tutorial (MoU with IIT Mumbai) (One per semester)**

Certificate Course:
- **Swayam Course (At least one for entire 2 years duration)**

Programme Specific Outcomes (PSOs) for MCA

› Understand, analyze and develop Computer Programs in the areas related to algorithms, process and solutions for specific application development using appropriate data modeling concepts.

› Design, develop, test and maintain desktop,web, mobile and cross-platform software applications using latest tools, technologies and skills and computing models and thereby enhance the ability to carry out research, experiment, contemporary issues to solve industrial problems.

› Develop skill set to communicate one's ideas effectively and to demonstrate team, work as a member/leader to solve complex computing problems and design appropriate techniques to enhance ability for life-long learning.

› Make graduates to understand cross-cultural, societal, profession, legal and ethical issues prevailing in industry.

Gallery

International Workshop on Applications of IoT

International Conference on Computing and Intelligence Systems

Guest lecture on Introduction to Full Stack Development and Devops

Seminar on Introduction to Data Analytics

Workshop on Introduction to Big Data Analytics

Workshop on MySQL

Motivational Talk

Seminar on Introduction to Information Security

Seminar on Soft / Behavioral Skills

Seminar on Introduction to Cloud Computing and Cloud Services

"Accelerate your Career with us"

CONTACT US

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