



DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous)

College with Potential for Excellence

Linguistic Minority Institution

Affiliated to University of Madras

Chennai – 600 106.

**PROSPECTUS
2021-2022**



**PG
DEPARTMENT
OF
COMPUTER SCIENCE**

"Technology is not just about syntax and coding. We can make a difference in people's lives by developing smart applications with intense practical knowledge."



POST GRADUATE PROGRAMMES OFFERED



*Who questions new,
intend to learn new,
and retain better.*

**M.Sc. COMPUTER
SCIENCE**

**M.Sc. INFORMATION
TECHNOLOGY**

*"There is no end to education.
The whole journey of impulse
career, from the moment you
started graduation, is a process
of learning until you persuade."*



ABOUT THE DEPARTMENT

- *M.Sc.(CS) Programme was started in the academic year 1998-1999 and M.Sc.(IT) Programme during the academic year 2001-2002 with an aim of providing a conducive ambience for learning technology and career oriented subjects.*
- *The Department is well equipped with high tech lab and ICT enabled class rooms.*
- *The Department has a tie up with IIT Mumbai to enhance the skills of the students through Spoken Tutorial Program.*
- *The Curriculum of the department is one of the best offering latest technology, research and employability oriented subjects.*
- *The Department has qualified faculty with enriched experience.*



VISION

- ▶ To facilitate a conducive environment for post graduate education in the field of Computer Science and Information Technology and to produce global society with moral values.
- ▶ To impart the post graduates with strong knowledge of advancement in Computer Science and technology.
- ▶ To promote globally competent graduates with highly sought intellectual, analytical and practical skills.



MISSION

- To *upgrade* the knowledge in *Computer Science and Information Technology* through *latest technologies*.
- To *encourage* students to *independently think, design and develop computer software systems and products* based on the *theoretical principles and software development skills* acquired throughout the programme.
- To *inculcate* the foundation of *research insights* among students and make them *employable*.



ELIGIBILITY FOR ADMISSION

M.Sc. Computer Science

Candidate who has passed the *BCA / B.Sc. in Computer Science* degree examinations of University of Madras or other institutions recognized by University of Madras shall be eligible for admission to the *M.Sc. Computer Science* Programme.



ELIGIBILITY FOR ADMISSION

M.Sc. Information Technology

The candidate shall be admitted to the *M.Sc. Information Technology* programme provided he/she has passed the bachelor's degree in *B.C.A/B.E.S/B.Sc. in Computer Science/ Mathematics/ Physics/ Statistics/ Applied Sciences* from the University of Madras or other institutions recognized by University of Madras.



M.Sc. Computer Science

CURRICULUM



Core Courses

<i>SEMESTER-1</i>	<i>SEMESTER-2</i>	<i>SEMESTER-3</i>	<i>SEM-4</i>
<i>Design & Analysis of Algorithms</i>	<i>Digital Image Processing</i>	<i>Soft Computing</i>	<i>REAL TIME PROJECT</i>
<i>Python for Data analytics</i>	<i>Advanced Database Management Systems</i>	<i>Internet Technology</i>	
<i>Computer Networks</i>	<i>Enterprise Computing</i>	<i>Cloud Computing</i>	
<i>JavaScript Programming</i>	<i>Data mining techniques</i>	<i>Big Data Analytics</i>	
<i>Object Oriented Software Engineering/Unified Modeling Language/OOAD</i>	<i>Artificial Intelligence/High Speed Networks/Web Technology</i>	<i>Cryptography/Information Security/Internet Security & Computer Forensics</i>	

M.Sc.
Information
Technology

CURRICULUM



Core Courses

<i>SEMESTER-1</i>	<i>SEMESTER-2</i>	<i>SEMESTER-3</i>	<i>SEM-4</i>
Operating System	Data Structures & Algorithms	Enterprise Computing	<i>REAL TIME PROJECT</i>
Computer Organization & Architecture	Computer Networks	Programming in Python	
Database Management Systems	Java Programming	Data Warehousing & Data Mining	
Multimedia	JavaScript Programming	Software Testing	
Object Oriented Software Engineering/Unified Modeling Language/OOAD	Introduction to Cloud Computing/Fundamentals of IoT/Introduction to Grid computing	Cryptography/ Information Security/Internet Security & Computer Forensics	

CERTIFICATE COURSES

- *Department* has a tie up with IIT Mumbai and offers *certificate courses*.
- The *students* undertake *one course per semester*.
- Spoken Tutorial course *improves* the *employment* potential of the students to succeed in the *future* challenging *interviews* and *work environments*.

IIT MUMBAI



SPOKEN TUTORIAL
SOFTWARE TRAINING PROJECT



Developed by IIT BOMBAY

A PROJECT OF THE NATIONAL MISSION ON EDUCATION THROUGH ICT
POWERED BY THE MINISTRY OF HUMAN RESOURCE DEVELOPMENT
GOVERNMENT OF INDIA

spoken-tutorial.org

MOOC-NPTEL



NPTEL

- NPTEL course helps to *explore* new areas of *interest*.
- It *provides* an opportunity to learn more *deeply* about the *subjects* they want to master according to their *own interest*.

Certificate courses are imperative to complete within the duration of the programme.

INFRASTRUCTURE

FEATURES:

- THE **LAB** HAS ADEQUATE SYSTEMS WITH **HIGH-END CONFIGURATION**, HASSLE-FREE INTERNET CONNECTIVITY, PROJECTOR & PRINTER.
- **ICT ENABLED CLASSROOM**.
- **ENVIRONMENT FRIENDLY LIBRARY** HAS SUFFICIENT COPIES OF **BOOKS** FOR DESIGNED CURRICULUM.



LAB-1



LAB-2

LIBRARY



SEMINAR HALL

DEPARTMENT ACTIVITIES



MOTIVATIONAL SPEECH



SEMINAR



LECTURE



BITS &
BYTES



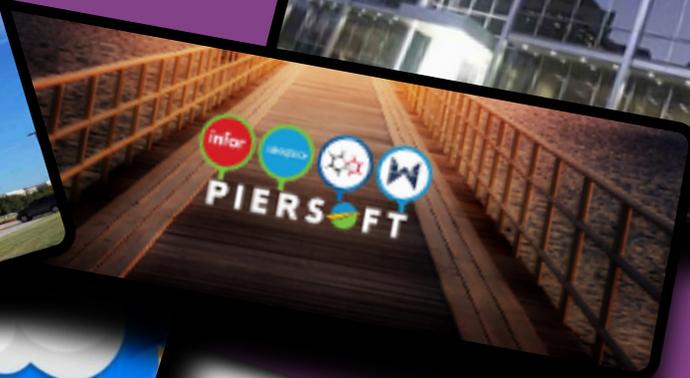
PARENT
TEACHERS
MEET



WORKSHOP

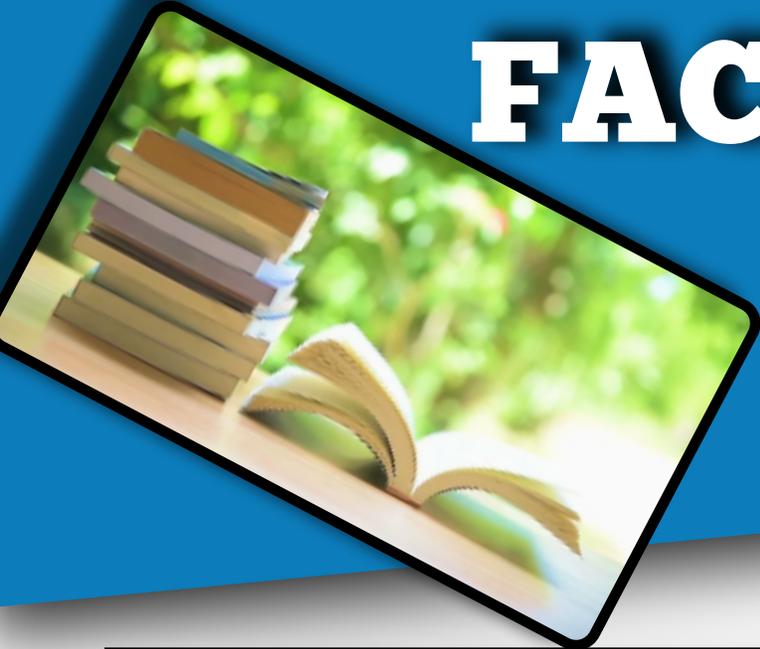
CAREER PERSPECTIVE

The students of P.G Department of Computer Science are employed in MNC's & IT companies.



"Opportunities don't happen, we explore & manifest our students to maximize their career potential."

FACULTY



*Dr.T.SANTHANAM M.Sc., PGDCA, Ph.D.,
Advisor & Head*

*Ms.P.SUGANYA M.C.A., M.Phil., SET
Assistant Professor*

*Dr.S.DEEPALAKSHMI M.C.A., M.Phil., Ph.D., NET
Assistant Professor*

*Ms.M.KALAIVANI M.C.A., M.Phil., SET
Assistant Professor*

*Dr.A.ANITHA M.Sc., M.Phil., Ph.D., SET, NET
Assistant Professor*

*"In 21st Century, Source of knowledge
is enormous. In terms of getting the
practical knowledge, the educators are
most important."*

FACULTY



*Dr.S.ANITHA M.Sc., M.Phil., Ph.D.,
Assistant Professor*

*Ms.S.SHANMUGAPRIYA M.C.A., M.Phil., NET
Assistant Professor*

*Dr.A.KAVITHA M.C.A., Ph.D.,
Assistant Professor*

*Dr.A.SINDHUJA M.C.A, M.Phil., Ph.D., SET, NET
Assistant Professor*

*Mr.P.S.LAXMI RAJAH M.Sc.,
Teaching Assistant*

*"Our Companionable educators
construct feasible thoughts in
the scholars' mind."*

ENVIRONMENT



"Trees make the environment clean with pure oxygen, plant a tree and get oxygen-free for the elixir of life."

"Technology is a magnificent boon to the human lives. Hence enriching the knowledge can avoid distort."



CONTACT US:



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DEPARTMENT



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For Online Applications



<https://www.dgvaishnavcollege.edu.in>

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OF
COMPUTER SCIENCE**

"BE COMPETENT TO LEAD THE WAY."