DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE
(Autonomous)

Re-accredited with "A++"Grade by NAAC
College with Potential for Excellence (Linguistic Minority Institution)
Affliated to the University of Madras
Arumbakkam, Chennai-600106, Tamilnadu, India

DEPARTMENT OF COMPUTER SCIENCE
(UG & PG)

B.SC. COMPUTER SCIENCE BROCHURE

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ABOUT THE DEPARTMENT

The Department of computer science was started in the year 1994. The Department has been constantly producing good results. Around 90% of the students have been placed in prestigious companies like TCS, etc., To make the students update with latest technologies, the department conducts value added courses like IOT, DATA SCIENCE etc., The department has dedicated teaching faculties to train the students in latest technologies for their career development and create highly qualified computer science graduates with specialized knowledge Promote research using modern technology and cultural awareness for addressing challenges in the real world. The students are motivated to participate in seminars, symposium, workshops and certification courses to enhance their skills.

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SECRETARY'S MESSAGE

SHRI. ASHOK KUMAR MUNDHRA

"All our dreams can come true, if we have the courage to pursue them"— Walt Disney

Dreams may seem to be far removed from reality. They may seem impossible and improbable. But little do we realize that all of us have in us the strength, patience and the passion to fulfil our dreams. The vision and dreams of a few kind hearted philanthropists and educationists, led to the founding of this institution. The hard work and perseverance of the successive members of the management and the academicians have enabled the institution emerge as one of the much sought after colleges in the city. It is now our duty and responsibility to carry forward this dream and with steadfast faith and determination redefine the standard of excellence, strengthen the spirit of solidarity and celebrate the power of knowledge to transform the society.

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PRINCIPAL'S MESSAGE

DR. S. SANTHOSH BABOO

Greetings!

The meaning of education has transformed greatly in today's technology driven and digitally connected world that we live in. An educator in the present times has to adopt a multi-dimensional approach having knowledge creation, confidence building and honing leadership skills at its core. While many of our students have been greatly contributing to various renowned and reputed organisations as exemplar leaders, the institution also focuses on developing entrepreneurship skills among students so that they would have the courage and conviction to establish an enterprise and create a legacy. In the sphere of research, understanding the complexities of the various issues, exploring new avenues and contributing to development of knowledge has been our priority. Having carved a niche for itself over the year, through its myriad achievements, this institution today stands as a symbol of immense possibilities and innumerable opportunities. The task ahead is clearly defined-educate, enlighten and empower. As Benjamin Franklin said, "An investment in knowledge pays the best interest".

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HOD'S MESSAGE

MS. P. SUGANYA

In today's technology-driven world, education takes on a multi-dimensional role, emphasizing knowledge creation, confidence building, and leadership skills. Our students, serving as exemplary leaders in renowned organizations, reflect our commitment. We also prioritize instilling entrepreneurial skills for the courage to establish legacies. Research is integral, unraveling complexities and contributing to knowledge development. With a rich history of achievements, our institution symbolizes vast possibilities. Our mission is clear: educate, enlighten, and empower.

Vision

To create the most conducive environment for quality academic and research oriented undergraduate education in computer science and prepare the students for a globalised technological society and orient them towards serving the society.

Mission

- To strengthen the core competence in Computer Science through analytical learning.
- To produce successful graduates with personal and professional responsibilities and commitment to lifelong learning.
- To uplift innovative research in Computer Science to serve the needs of Industry, Government and Society

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Syllabus of First Semester

a) Language Paper 1
b) English Paper 1
c) Fundamentals of Python Programming
d) Fundamentals of Digital Electronics
e) Mathematics 1
f) Fundamentals of Python Programming Lab
g) NME I- Fundamentals of Information Technology
h) Soft Skills

SYLLABUS

Syllabus of Second Semester

a) Language Paper II
b) English Paper II
c) Object Oriented Programming Using C++
d) Data Structures
e) OOPS and Data Structures Lab
f) Mathematics - II*
g) NME II – HTML and Web Design
h) Soft Skills
i) Field Work

Syllabus of Third Semester

a) Language Paper III
b) English Paper III
c) JAVA Programming
d) Web Technology
e) JAVA and Web Technology Lab
f) Statistics method for computer science- I
g) Soft Skills

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Syllabus of Fourth Semester

a) Language Paper IV
b) English Paper IV
c) Android App Development
d) Core Elective I
 Software Engineering
 Client –Server Technology
 Artificial Intelligence and Expert Systems
e) Android App Development Lab
f) Statistics method for computer science- II
g) Soft Skills
h) Environmental Studies
i) Internship

SYLLABUS

Syllabus of Fifth Semester

a) Operating Systems
b) Database Management Systems
c) Data mining Techniques
d) Core Elective II
 ASP. Net Programming
 Advanced Java Programming
 Machine Learning Techniques
e) RDBMS Lab
f) Lab Based on Elective II
g) Value Education

Syllabus of Sixth Semester

a) Programming in PHP
b) Cloud Computing
c) Computer Networks
d) Core Elective III
 Introduction to Data Science
 Digital Image Processing
 Introduction to Big Data Analytics
e) PHP Programming Lab
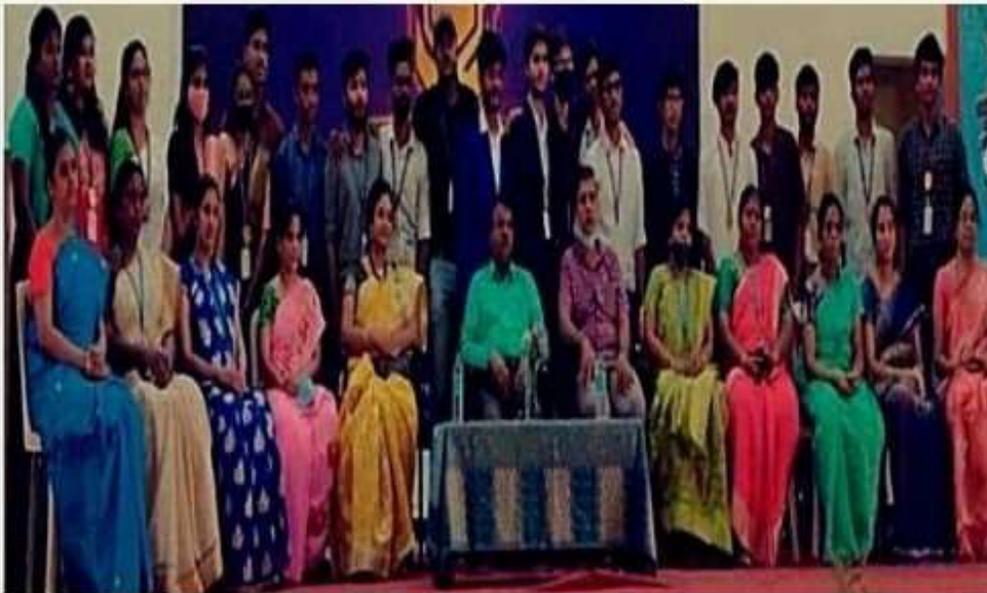f) Mini Project
g) Extension Activities

TRANSCODE FORUM

Transcode was initiated by our former Head of the Computer Science Department. Capt. Dr. S. Santosh Baboo and inaugurated on 8th September 2016. This forum is to engage the students in various activities which would improve communication, increase collaboration, encourage discussion and to bring awareness about the latest trends in industry which enhances student learning.

Dr. S. Santhosh Baboo
Principal

The Committee members of the Transcode Forum were assigned with different roles and duties such as President, Vice-President, Secretary, Joint-Secretary, CoOrdinator, Asst.Co-Ordinator, Treasurer and 20 Executive Members headed by department faculty. These committee members lead the Forum and conduct various activities such as Seminar, Competitions, Cultural Events, Quizzes, Workhops, Alumni Meet, Student Enrichment Programs etc.

MILESTONES

SOCIAL SERVICE ACTIVITY

PTA MEETING

SEMINAR

INTERNATIONAL CONFERENCE

ALUMNI MEET

FIELD VISIT

INDUSTRIAL VISITS

TECHCRAZE 2k23

PLACEMENTS