GURU NANAK COLLEGE
(AUTONOMOUS)
Reaccredited at “A” Grade By NAAC
Affiliated to the University of Madras
Guru Nanak Salai, Velachery, Chennai - 600042.

PROSPECTUS
Master of Computer Applications (MCA)
(2019-2020)
ABOUT COLLEGE

The Guru Nanak College was established in the year 1971 as a Unit of Guru Nanak Educational Society to mark the 500th birthday of the great Shri Guru Nanak Devji, founder of the Sikh Religion. The objective of the college is to spread the ideals of universal brotherhood, oneness of God, communal harmony and welfare to all communities.

The college provides a quiet and ideal setting amidst natural surroundings. It is located on the Velachery-Tambaram Road within a verdant 20 acre campus gifted by the Government of Tamil Nadu for the development of an Arts & Science College.

The institution admits students as per the government norms, about 30% of the total strength in each course is reserved for women students. Admission is open to trans-genders also. The College is now ranked among the top ten colleges in Chennai.

ABOUT THE MCA DEPARTMENT

The department was started in the year 2008 with a full-time MCA program. It is affiliated to University of Madras and is approved by AICTE. MCA department had consistently produced 100% results in most of the University examinations from the first batch. Students have secured high marks and the department has produced University ranks. Students are imparted with high-end technical skills that will help them to set a bright career in the Information Technology sector. Currently most of our students are working in top companies in different domains across the globe.

Periodic guest lectures and workshops are provided to the students. This enables them to enrich their knowledge in the growing technical trends in the software industry. We make our students industry ready, which help them to face the competitive world. The department further aims at emerging as a centre for Research in Computer Science with facilities for M.Phil and Ph.D. Programme. The department has excellent infrastructure and high end Labs which is designed at par with corporate standards. Students are provided with latest high configuration systems.
HIGHLIGHT OF THE MCA DEPARTMENT

- MCA course is affiliated to The University of Madras and is approved by AICTE.
- Lateral Entry (Direct 2nd Year) for BSc (CS) and BCA and BSC (IT) Students.
- Our students are placed with Top Tier-1 and Tier-2 Companies.
- Planned Industrial visits to facilitate and improve industry interface.
- Hands-on experience based Teaching Pedagogy.
- Periodic Guest Lectures are conducted with Industry Experts.
- Workshops, Seminars are organized in association with corporate giants.
- Training and International Certification on Data Analytics.

COURSE STRUCTURE

The MCA Course Structure comprises a total of 32 papers including specialization and practical papers, 6 soft skill courses, one mini project, one summer internship (end of fourth semester) and an extensive project in the area of specialization (sixth semester). The project is aimed to give an opportunity to the students for gaining organizational experience by applying the theory to strategic organizational issues problems and develop suitable solutions. The projects will be carried out under the guidance of a supervisor from the college and a mentor from the host company.

ENTRY MODES:

- **Lateral Entry Mode -** 2 years (Full Time) - 91 Credits
- **Regular Mode -** 3 years (Full Time) - 135 Credits

ENTRY REQUIREMENTS

Basic Eligibility Criteria

A pass in a recognized Bachelor’s Degree from recognized University of minimum THREE (3) years duration in 10+2+3/4 years (or) 10+3 years Diploma or 3 years pattern in any discipline with Mathematics at +2 level and had obtained at least 50% (45% in case of candidates belonging to reserved category) at the Qualifying Examination.

MCA - Lateral Entry Mode (Duration 2 years):

Bachelor’s degree in Computer Applications, Information Technology, Computer Science holders with satisfactory test score in an approved entrance test such as TANCET for MCA conducted by Anna University or MCA Entrance Test conducted by Consortium of Professional Colleges in Tamil Nadu will be admitted directly in to 2nd year MCA.

MCA – Regular Mode (Duration 3 Years):

Bachelor’s degree with Mathematics or Statistics at +2 / degree level with satisfactory test score in an approved entrance test such as TANCET for MCA conducted by Anna University or MCA Entrance Test conducted by Consortium of Professional Colleges in Tamil Nadu.
HOW TO APPLY

- Application Form can be downloaded from the college website.

ENCLOSURES TO BE SUBMITTED AT THE TIME OF APPLICATION SUBMISSION

- Photocopies of HSC Mark Sheet and UG Degree Mark Sheets duly attested by a Gazetted Officer.
- Photocopy of score cards of TANCET or Equivalent.
- Photocopy of Transfer and Conduct Certificate.

SELECTION PROCESS

After preliminary evaluation of the application form the candidates will be informed over phone (contact number provided in the application form).

ORIGINALS TO BE PRODUCED DURING ADMISSION

- SSLC and HSC certificate
- UG Mark Sheet
- UG Provisional or Degree Certificate, Eligibility Certificate
- Transfer Certificate
- Photocopy of Community Certificate
- Conduct Certificate
- Entrance Mark Sheet
- Medical Fitness Certificate

WORKSHOPS

The Largest Learnathon of India was organized by MCA Department along with ICT Academy and Salesforce that brings together 10,000+ students from 100+ colleges across India, for a 24 hours of self-learning by students on preparing themselves for the fourth generation industrial revolution. Around 100 students of Our College had participated in this Learnathon. This Learnathon is powered by Trailhead for Students to have a learning platform from Salesforce. ICT Academy having partnered with more than 750 colleges across India as its members, is organizing this initiative in our college with an objective to inculcate the habit of self-learning among the youth in India, thereby adding vigor to the SKILL INDIA mission, supported by the outcome of the DIGITAL INDIA Vision of the Government of India. The ICT Academy announced the Final Top 3 Winners of our College through online.
Our department in association with Oracle Academy and ICT Academy has organized a self-learning program that enables the students to know more about Computer Science subjects such as Big Data, Cloud Computing and Internet of Things. Around 60 students of Our College had participated.

A National Seminar on Business Analytics & BI Tools was organized by the department of MCA in association with ICT ACADEMY. Three technical sessions were conducted by eminent personalities of the IT Industry. The first session was on the topic Business Analytics & Job Prospects by Mr. Chandrasekaran Chenniappan, Vice President, HR, Lebara Media Services, Chennai. Role of Analytics in Business was elaborated by Mr. Rees Emmanuel, Associate Manager, Payoda, Chennai. Business Intelligence & Tools for Business Prospects was elaborated by Mr. Jeevan Prakash, Practice Manager - Business Intelligence Practice, Speridian Technologies, Bangalore.
INDUSTRIAL VISIT

Students are taken for an Industrial visit and recent visit was with “The NCR Corporation (originally National Cash Register)”. It is an American computer hardware, software and electronics company that makes self-service kiosks, point-of-sale terminals, automated teller machines, check processing systems, barcode scanners, and business consumables. They also provide IT maintenance support services.
PLACEMENT ACTIVITIES AND ACHIEVEMENTS

Students are trained on latest technologies. Our Students were invited by RENAULT NISSAN BUSINESS CENTRE, INDIA for developing in house software for their requirements.

- Our Students were invited by BIZ PLUS SERVICES for working in Cloud Computing arena.
- Our Student is the topper in IEEE International Certification Training programme provided by the Corporate and subsequently they were placed in ATTUNE TECHNOLOGIES.

Our Students are placed in the following companies

![Logos of various companies]

CORE FACULTY

<table>
<thead>
<tr>
<th>FACULTY NAME</th>
<th>CORE SUBJECTS</th>
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</thead>
<tbody>
<tr>
<td>Dr. P. V. Kumaraguru – Dean (IT)</td>
<td>Data Warehousing &amp; Data Mining, Computer Networks</td>
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<tr>
<td>Mr. R. Anand - HOD</td>
<td>Data Analytics &amp; Data Sciences, Software Engineering, Advance JAVA Programming</td>
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<tr>
<td>Ms. S. Nirmala Devi</td>
<td>JAVA, PHP, Python Programming, UI Design Development</td>
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<tr>
<td>Ms. V. Chellathai</td>
<td>Computer Graphics, UNIX, Algorithm &amp; Data Structures</td>
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<tr>
<td>Mr. P. Christy Jeyakumar</td>
<td>Information Security, Cloud Computing, Digital Logic Fundamentals</td>
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<tr>
<td>Mr. V. K. Anand</td>
<td>Digital Logic Fundamentals, Software Engineering &amp; RDBMS</td>
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<tr>
<td>Ms. K. Jayabarathi</td>
<td>Operating Systems, Software Testing, Computer Networks</td>
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<tr>
<td>Dr. V. J. Chakravarthy</td>
<td>Computer Networks, Operating Systems, DBMS, Software Engineering, Software Testing</td>
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Guru Nanak College (Autonomous)
Unit of Guru Nanak Educational Society (Regd.)
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