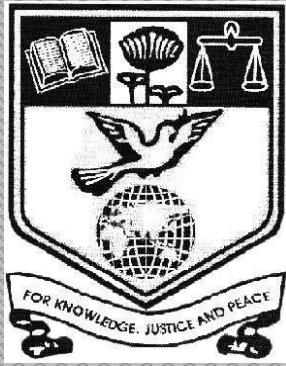


Information Brochure

Undergraduate Programmes



NEHRU MEMORIAL COLLEGE

(AUTONOMOUS, NATIONALLY ACCREDITED WITH 'A' GRADE BY NAAC)

PUTHANAMPATTI – 621 007, TRICHY DT



The Management – The team that Leads



I humbly submit hearty tributes to my father Late Thiru.M.Mooka Pillai for fervent desire to uplift Nehru High School into Nehru Memorial College propelled me to expand the institutions to “A” Grade level of NAAC. All these glories are offered to the Golden feet of my father Thiru.M.MookaPillai and his consort, my mother Tmt.Sellammal Mookka Pillai. The timely introduction of B.Sc., Computer Science, way back in 1983, helped this College came to be known as “Computer College” in Tamil Nadu.

“Students are the nation-builders. They are the movers of Technology. They are the agents of change”. It is our fervent hope that the years that you spend in **NMC** would enable you to equip with leadership and managerial skills. We invest our trust on every student. They are our safe source and we bank all our efforts on them. We create not the future instead we craft them for the future. Our aim is to teach students to LEARN, not just STUDY. There are strong challenges to great efforts but always remember, great effort bears the sweet fruit of success. We want our students to taste the fruit of success once and for the rest of the life, They will never rest. The youth in our hands are real and can be moulded. We assure everyone a bright future.

Prof. M.Ponnambalam
Chairman
Governing Body

The college founded in 1967 has grown into a huge institution offering wide variety of courses to over 4000 students hailing from the rural villages of Trichy. Our college holds the honour that Annadurai, the Chief Minister of Tamilnadu made its reopening. Moreover, NMC was the first to introduce Computer Science in the southern districts of Tamilnadu. The great Philanthropist, Sri Mookkapillai has contributed his immense wealth for the establishment of this college because he realized that education has the most crucial role to play in the progress of a nation. His unwavering commitment has led to the birth of this college.

Our College exists to impart quality higher education to all, especially the poor, the needy and the under - privileged to enable their holistic development in response to the great commandment and love. It aims to produce graduates of distinction, committed to Integrity, Professionalism and lifelong learning by widening their knowledge horizons in range and depth. All those students who are interested in Outcome Based Education and Skill Development are heartily welcome to join us to strengthen themselves and ultimately the Nation.

Er.Pon.Balasubramanian
President,

College Committee

The Placement and Training Cell @ NMC

To be an academic institution of "first choice" to transform lives that will change the world for the better, at whatever levels of human endeavour it is involved. To develop professionals who are committed to excellence in their personal and professional endeavours.

The placement cell works together as a team in moulding the students to the requirements of various industries and scrutinizes the placement opportunities through campus recruitment. The process starts with registering the all final year students for placements through unique placement cell portal. Our team interacts with the registered students and they divide as group as per their career interest in Higher studies and employment sectors. The placement cell helps every student to define his/her career interest through individual counseling through experts.



Our division helps the students in getting their dream jobs also assists the visiting placement companies in identifying the right candidate for their organization. Placement division associate with the reputed organizations for arranging campus interviews for the final year students. The cell has trained final year students to handle the working norms of the industry made them to industry ready.

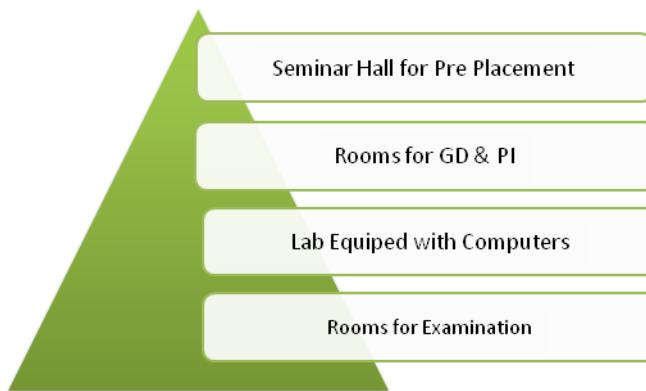
Industry personnels are invited periodically to enhance the knowledge of the students' community with the latest technological innovations and industry practices. The Placement cell has organizing Regular counseling / Guidance sessions and conducts Aptitude Training, Technical Training, Soft Skills training, Orientations, Seminars, Workshops etc, according to the sectors of employment for the registered students.

The cell has helped the students to prepare their resume and also to sharpen their technical knowledge before the company process and continue to do so until a student get placed or achieves his/her dream job. These activities really help the students to understand the industry required skill sets and accordingly imporve their skills through speical training organized by the placement cell.

We impart skills that not only help our students to respond to modern day managerial demands but also to build trust and exhibit competence, connection and character. Many of our Alumini are occupying senior positions of responsibility in corporate sectors. Demonstrating the commitment to Quality, Placement Cell has always strived for strong brand value. We are well on our way to the aspirational Goal.



Facilities for On Campus Recruiters:



Recruitment Process

On Campus

Invitations are send the Companies

Companies fill the registration and send the job descriptions

Schedule the Placement Drive by Placement cell in consultation with the companies

Students are informed about the company and job profile

Students register for the placement Drive

Companies Visit the College for Placement Drive as scheduled

Finally Selected Students are announced by the company

Off Campus

Students send their Updated CV to the company through placement cell

shortlisted Students visit the company premises for recruitment process

Finally Selected Students are announced by the company

The college provides all necessary infrastructural facilities and logistics required for the placement drive.

100%
Placement
Assistance to all
the Registered
Students

2013-14

44%

2014-15

50%

2015-16

61%

2016-17

68%

2017-18

79%

2018-19

85%

Major Recruiters

EUREKA FORBES	 ALCAN Aluminum & Glass Manufacturers Contractors Temporary Staffing	 Soft Square	www.teacomeng.com  THE ENGLISH ACADEMY	 SANMAR The Sanmar Group
 VEE TECHNOLOGIES Extraordinary Outcomes	 CMS IT SERVICES Talent Development Center	 HDFC BANK We understand your world	 BANNARI AMMAN Spinning Mills Ltd.	
	 Omega Healthcare Excellence in Business Outsourcing	 Cogwheel Technologies	 SourceHOV PEOPLE KNOWLEDGE INNOVATION	
 Samarth LEARNING SOLUTIONS define your destiny	 IDBI BANK	 Capgemini CONSULTING TECHNOLOGY OUTSOURCING	 SRI RAMAKRISHNA GROUP OF INSTITUTIONS	 SBI Life INSURANCE With Us, You're Sure
	 Apollo MedSkills Leading the Skilling Revolution	 HCL HCL SERVICES	 UNISYS Securing Your Tomorrow™	

B.A., English Literature

English Literature is a transforming, thought provoking UG course of study covering a vast area of study from Renaissance to the modern periods. The course makes the learners to be proficient in the subject and instill a love for research in the areas of their interest. It grants them an opportunity to submerge themselves in the historical, aesthetic and political aspects of literature. The study incorporates the learners to realize the social responsibilities and make them responsible citizens with accountability. On the Completion of the Course, the graduates attain a range of career opportunities at their disposal.

HIGHLIGHTS OF THE PROGRAMME

- ❖ Graduates acquire the sound knowledge of the subject and language with the advanced technology.
- ❖ The programme prepares them to gain the ability to communicate effectively fulfilling the demands of the job market.
- ❖ It brings an impressive change in their very character.
- ❖ It enhances them to be multifaceted personality.
- ❖ The Lyceum Literary Club is active to engrain LSRW and moral values of life.
- ❖ The Gavel Clubs are functional to develop communicative and leadership skills.

ELIGIBILITY & DURATION

UG PROGRAMME	: B.A
Duration	: 3 years, six semesters
Entry Requirements	: 12 th passed or equivalent

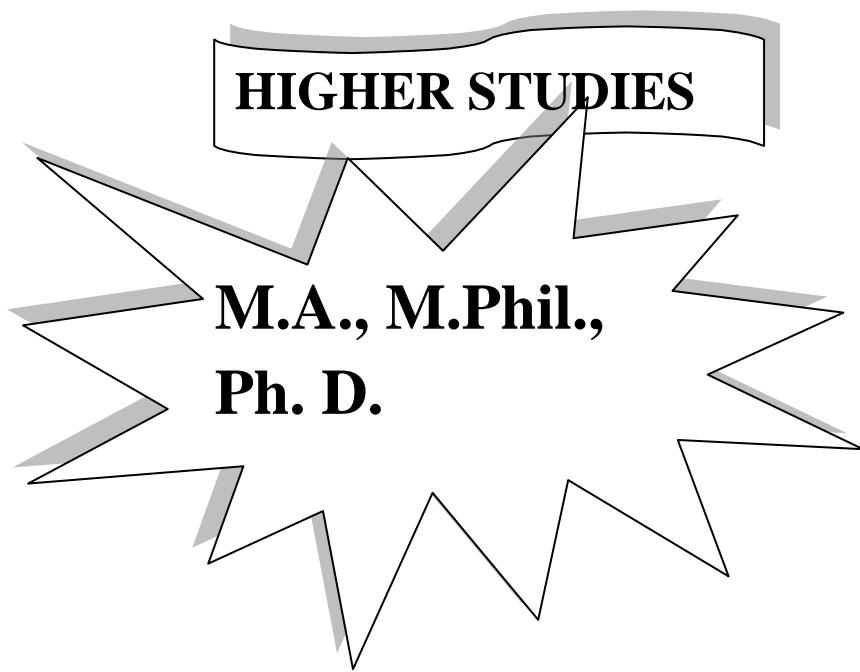
UNIQUE FEATURE OF THE COURSE & GAINING OF SKILLS

- ❖ Fiction - speaking and writing skill
- ❖ Journalism - learning the requirements of the journalist
- ❖ Phonetics - learning the correct pronunciation
- ❖ Literary Criticism - critical and analytical thinking



STUDENT'S PROGRESSION:

Career opportunities



- ❖ Personal Assistant
- ❖ Content Writer
- ❖ School teacher
- ❖ Soft skills trainer
- ❖ Editorial Assistant
- ❖ Journalist
- ❖ Language trainer
- ❖ Short story writer
- ❖ News reader
- ❖ Poet

OUR PRESTIGIOUS RECRUITERS



B.Sc., MATHEMATICS

The Bachelor of Science degree in Mathematics is a three year UG course. It is a culmination of in-depth knowledge in advanced mathematical theories such as Analytical Geometry, Vector Calculus, Dynamics and Discrete Mathematics etc.

Though the subject seems abstract to the naked eye, there exists a sublime beauty in learning it and understanding the intricate relationship between the numbers and equations.

Here at NMC we strive to aid our students into understanding said relations, by expanding their theoretical and practical abilities. Apart from book knowledge, we also encourage students to explore maths on their own through platforms like MATLAB, R Programming etc. this gives the student a better understanding of the subject. Furthermore, this course also deals with other related fields such as Computer Science and Statistics.

PROGRAMME HIGHLIGHTS

- The students develop the ability to apply concepts of Calculus, Linear Algebra, Operations Research, Differential Equations and Laplace Transforms etc.
- They develop an understanding of the underlying unifying structures of graph theory, analytical geometry, trigonometry, etc.
- Students are able to comprehend the 'Value of Proof', which is the single distinguishing factor for the courses like Classical Algebra, Modern Algebra and Complex Analysis
- They are exposed to MATLAB, R Programming, and Latex etc. in order to hone their problem solving skills.
- Students develop proficiency in writing proofs.

DURATION AND ELIGIBILITY

UG PROGRAMME	B.Sc., Mathematics
DURATION	3 years – 6 semesters
REQUIREMENTS	12 th passed with Physics, Chemistry, Mathematics, Computer Science/ Biology

UNIQUE SKILL SET GAINED

- Testing hypothesis and its significance - STATISTICS
- Analysing and interpreting data using Excel
- Distilling complex, real-world problems into mathematical equations. - DYNAMICS AND DISCRETE MATHEMATICS.
- Solve statistical problems using various tools. -R PROGRAMMING and MATLAB
- Documentation and reporting – LATEX

CAREER SCOPE

PRIVATE SECTOR

- ◆ Business Analyst
- ◆ Mathematician
- ◆ Finance Analyst
- ◆ Numerical Analyst
- ◆ Graph Analyst
- ◆ Optimization Specialist

PUBLIC SECTOR

- ◆ INDIAN SPACE RESEARCH ORGANIZATION
- ◆ DEFENSE RESEARCH AND DEVELOPMENT ORGANIZATION
- ◆ NATIONAL AERONAUTICS LIMITED

*Coaching for Civil Exams are provided on request.

EDUCATIONAL SCOPE

- M.Sc., Mathematics
- M.Sc., Statistics
- M.Sc., Data Science
- MBA
- M.Phil.
- Ph.D.

Bachelor's in Computer Applications

BCA is a three year UG degree in the field of Computer Science. BCA is a highly professional oriented course. It enables students to practically apply and solve problems through Computer Applications. The advantage of doing this course is that, it puts you on top of the world; because it is a subject which involves exploring areas in technology which are still let untapped.

PROGRAMME HIGHLIGHTS

Computer Science at Nehru Memorial College gives you a strong set of skills in software development

- It imparts an in-depth knowledge not only in Computer Science but also other inter disciplinary areas of study.
- Students become successful developers capable of solving problems in the computer world.
- Skilled and Experienced faculty expertise through MOOC International Certifications
- Programming Skill Development Trainings
- Professional Skill Development through MOOC
- Experiential and Participative Learning
- Strong Alumni Support

DURATION AND ELIGIBILITY

UG PROGRAMME	BCA
DURATION	3 years – 6 semesters
REQUIREMENTS	12 th passed with Physics, Chemistry, Mathematics, Computer Science

UNIQUE SKILL SETS GAINED

- PYTHON Programming
- Image editing using GIMP
- Mobile App Development
- .NET programming
- Data Analytics
- R Programming
- Programming using Accounting Package
- Cloud Computing
- Internet Of Things
- Soft Computing

CAREER SCOPE

- ◆ Web Designer & UI/UX Designer
- ◆ Python Developer
- ◆ DTP operator
- ◆ Database Administrator
- ◆ Software Developer/Coder
- ◆ Programmer Analyst
- ◆ Mobile Apps Developer
- ◆ Computer Support Specialist
- ◆ Data Analyst

EDUCATIONAL SCOPE

- ◆ MCA
- ◆ MBA
- ◆ B.Ed.





B.Sc., Computer Science

B.Sc., Computer Science is a three year UG science degree dealing with the fundamentals of Computer Applications and Services. Riddles with computer theories and software applications.

As we enter a fast paced digital world, where everything is technologically based, learning and gaining expertise in Computer Science automatically makes the individual invaluable to the society. The scope of this subject knows no bounds as the scope of technology hasn't been defined yet.

Computer Science at Nehru Memorial College gives you strong skills in Software Development

PROGRAMME HIGHLIGHTS

- Pioneer to introduce B.Sc. Computer Science in the Arts and Science Colleges in India.
- Skilled and Experienced faculty expertise through MOOC International Certifications
- Programming Skill Development Trainings
- Professional Skill Development through MOOC
- Experiential and Participative Learning
- Strong Alumni Support
- Code Venture – a Code development forum
- View port- Department annual e-Magazine

DURATION AND ELIGIBILITY

UG PROGRAMME	B.Sc., Computer Science
DURATION	3 years – 6 semesters
REQUIREMENTS	12 th passed with Physics, Chemistry, Mathematics, Computer Science/ Biology

UNIQUE SKILL SETS GAINED

- Problem solving using PYTHON with hands-on experience
- Image editing using GIMP
- Application Development Lab to provide first hand exposure to projects
- Mobile App Development
- .NET programming
- Data Analytics
- R Programming

CAREER SCOPE

- ◆ Excel Developer
- ◆ Web Developer
- ◆ Python Developer
- ◆ DTP Operator
- ◆ Database Administrator
- ◆ Software Developer
- ◆ Programmer Analyst
- ◆ Computer Hardware Engineer

EDUCATIONAL SCOPE

- ◆ M.Sc., (CS/IT)
- ◆ MCA
- ◆ MBA
- ◆ B.Ed.



Bachelor of Business Administration -BBA

Bachelor of Business Administration is a 3 year professional UG course in Business and Management Principles. It equips the students with the knowledge and skills to conquer the corporate world.

Our program offers a wide range of practical management training and Ethical concepts. Thereby, laying the foundation for the students to work successfully in any given organisation. We also encourage students to become entrepreneurs.

PROGRAMME HIGHLIGHTS

- The aim of this course is to transform the students into a multi-talented capable Independent and able business executives/administrators ready to face the realms of the business world.
- The course deals with the conceptual theoretical and practical knowledge in various aspects of business like Finance, Economics, Operations, Marketing, Basic Accounting etc.
- In today's business world where everyone wishes to become an entrepreneur this course is designed to impact the theoretical know-how on the different aspects of running a business.
- Students acquire managerial skills at a very early age. This way the students learn the knowledge of business and acts as the decision making leader in the competitive business world.

DURATION AND ELIGIBILITY

UG PROGRAMME	BBA
DURATION	3 years – 6 semesters
REQUIREMENTS	12 th passed preferably Accounts & Commerce

UNIQUE SKILL SETS GAINED:

- Management concepts in Marketing, Finance, HR - Management Principles
- Tally - Financial Accounting
- Transactions & Documentation – Banking
- e-Retailing, e-Banking - E-Commerce

CAREER SCOPE

- ◆ Business Administrator
- ◆ Business Consultant
- ◆ Entrepreneur
- ◆ Market Research Analyst
- ◆ Financial Analyst
- ◆ HR Assistant
- ◆ Advertising and PR Executive
- ◆ Accountant
- ◆ Tax Assistant and many more.

EDUCATIONAL SCOPE

- ◆ MBA
- ◆ M.Phil.
- ◆ Ph.D.

BBA



B.Sc., CHEMISTRY

B.Sc., Chemistry is an UG science course which introduces students to the fundamental of chemical bonds and reactions. It offers an extensive study for students wishing to explore the fundamentals of Chemistry and its other branches. It deals with an in-depth knowledge of how chemicals and chemical processes happen.

PROGRAMME HIGHLIGHTS

- The department has top-notch well equipped labs consisting of muffle furnace, water analyser, rotary vacuum evaporator, hot air oven, magnetic stirrer and deionizer etc.
- Industrial visits are arranged for the students to gain hands - on experience.
- Additionally the department also trains the students to handle small scale industrial preparation by teaching them the chemical art of Making Candles, Soap Oil, Detergents, Facial Creams and Agarbathis.
- Certificate Course on Water Analysis and Treatment.

DURATION AND ELIGIBILITY

UG PROGRAMME	B.Sc., Chemistry
DURATION	3 years – 6 semesters
REQUIREMENTS	12 th passed with Physics, Chemistry, Mathematics, Computer Science/ Biology.

UNIQUE SKILL SETS GAINED

- The Department offers high quality learning environment and high powered research program for or its students.
- Graduates will be able to work in a variety of positions in the industry and healthcare sectors.
- The Department furthermore encourages the students to take part in various competitions and also in National as well as International Conferences.
- Exclusive training for placement/ higher studies and competitive exams are provided by the college.
- There exists a tutor ward system in the department

CAREER SCOPE

- ◆ Chemist
- ◆ Chemical Analyst
- ◆ Researcher
- ◆ Chemical Engineer in Chemical Industries such as
- ◆ Water Purification Plants
- ◆ Fertilizer Developer
- ◆ Dairy Farms
- ◆ Cosmetics and Perfume Industry
- ◆ Lab Assistant

EDUCATIONAL SCOPE

- ◆ M.Sc.,
- ◆ M.Phil.
- ◆ P.hD.



B.Sc., Zoology

The Department of Zoology established in 1967 aims to mould the students into a world class community who would able to think critically and innovatively. Our focus lies more on the approach of making the students observe, analyse, interpret, evaluate and solve problems. The Department provides an excellent academic and research facilities to the students, in order to enhance their natural and artificial intelligence.

Students can expand their knowledge and working ability in various areas including Taxonomy, Cell and Molecular Biology, Genetics, Immunology, Microbiology, Physiology, Endocrinology, Entomology, Bioinformatics, Biotechnology, Research Methodology, Wildlife Biology and Medical Zoology.

PROGRAMME HIGHLIGHTS

- Students get individual attention and focus on the prevailing challenges by way of giving strong foundation.
- Creates a conducive environment for students to develop innate skill to discover themselves and explore scientific pursuits with various opportunities.
- The students grow in a rich environment fully equipped in its infrastructure resulting in a physically sound, mentally serene, spiritually humane and scientific excellence
- Creativity is a spark that lasts long. We provide ample opportunity for our students to think and make outside the box.
- We treasure their pride of being a creator.

DURATION AND ELIGIBILITY

UG PROGRAMME	B.Sc., Zoology
DURATION	3 years – 6 semesters
REQUIREMENTS	12th passed with Biology ,Zoology and Botany

UNIQUE SKILL SETS GAINED

- It enables students to learn and apply Zoological principles for both Human and Animals.
- Understand the impact of Zoology on basic human needs such as, Healthcare, Agriculture, Industrial, Chemical Energy etc.
- Students become well-versed with the current development in Zoological Sciences and are able to evaluate the future priorities in Zoological Research.
- They develop skills in the various modern bio-techniques.
- The students are also taught IPR (Intellectual Property Rights), to draft clauses in licensing agreements and assignments and Bioinformatics: Genomics, Proteomics Drug Discovery.

CAREER SCOPE

- ◆ Laboratory Scientific Officer
- ◆ Researcher- Biologist/Scientist
- ◆ Genetic Engineer/Technical Assistant in projects (SACON, WII, IISc., WWF etc.,)
- ◆ Forensic DNA Analyst
- ◆ Data Analyst
- ◆ Lab Technical Supervisor
- ◆ Medical coding
- ◆ Technical Content

Developer/Content Editor EDUCATIONAL

SCOPE

- ◆ M.Sc., Zoology
- ◆ M.Sc., Bio-Technology
- ◆ M.Sc., Bioinformatics
- ◆ M.Sc., Microbiology
- ◆ M.Sc., Wildlife Biology
- ◆ M.Phil.
- ◆ Ph.D.
- ◆ B.Ed.,

- Teacher in School & Corporate level/Kendra Vidyalaya (after B.Ed.)
- Professor in College/University/Institutions (after M.Sc., and passed in SET/NET or Ph.D.)





B.Com – CA

COMPUTER APPLICATIONS

The courses bridges Commerce and Computer applications which help the students to become smart and employable. Computer Applications in the field of commerce is an extra mileage in placements. It has an innovative modern curriculum. The Department focuses on application software which is designed to help the user to perform specific tasks.

PROGRAMME HIGHLIGHTS

- ❖ Provides Education enhancing conceptual and analytical based learning with focus on commerce and computer enabled services for a successful career such as Accounts Executive, Finance Analyst, Tax analyst, Web developer/Social Media Executive.
- ❖ Enhances the ability of the students in Accounting & Finance areas by providing knowledge in core subjects like Financial Accounting, Cost and Management Accounting, Cost and Management Accounting, Financial Management and Taxation
- ❖ Imparts in-depth knowledge in the Core aspects of Commerce and Computer Applications by incorporating subjects namely, PC Packages, RDBMS, Web Programming & Development, Python Programming, Accounting Package, E-Commerce, and MIS.

ELIGIBILITY & DURATION

UG PROGRAMME	: B.Com CA
DURATION	: 3Years, Six Semesters
ENTRY REQUIREMENTS	: Pass in H.Sc with Commerce & Accountancy With Computer Science

UNIQUE COURSE FEATURES & SKILL SETS GAINED

Financial Modelling	: Financial Functions using Excel
Practical Accounting	: Tally
Web Designing	: Designing a Website, HTML
Digital Marketing	: Social Media Marketing, E-Commerce

STUDENT'S PROGRESSION

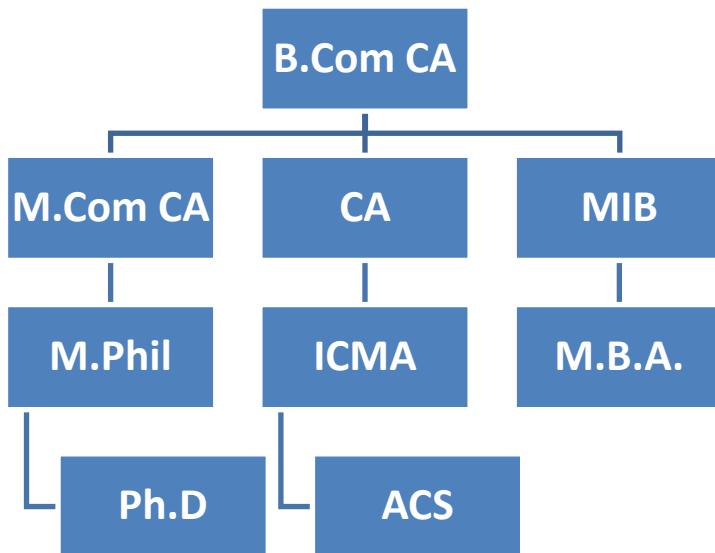
Career Opportunities

The course aims to produce qualified and trained personnel for fields such as

- ❖ Accounts Executives
- ❖ Accounts Assistant
- ❖ Tax Consultant (Direct & Indirect)
- ❖ Legal Consultant
- ❖ Logistics/Store Keeper
- ❖ Credit Analyst
- ❖ Financial Analyst
- ❖ Cost & Management Consultant
- ❖ Teaching Professional
- ❖ Banking Professional
- ❖ Insurance
- ❖ Marketing
- ❖ Stock Market practices

- ❖ Clerk-cum-Computer Operator
- ❖ Data Analyst
- ❖ Risk Analyst
- ❖ Web-Designer
- ❖ Mobile Application Developer

HIGHER STUDIES



SOME OF OUR PRESTIGIOUS RECRUITERS





B.COM.,

BACHELOR OF COMMERCE



The Bachelor of Commerce (B.Com.,) is an UG degree in commerce and related subjects. Under this course, wide range of managerial skills are provided to the students and their understanding in various subjects of Commerce streams like Accounting, Economics, Finance, Taxation, Logistics, Business Law, Banking, Management and Insurance.

PROGRAMME HIGHLIGHTS

- Prepare Graduates with a solid foundation of Finance and Logistics for a successful career such as Accounts Executive, Financial Service Consultant, and Tax consultant, Materials / Stores Assistant, Credit Analyst and Logistics Executives
- Facilitate to handle computer based software in Accounts, Tax returns, Payrolls and Auditing and also provide knowledge in Stores, Maintenance, Store's Inventory, Store Operations and Supply Chain Management.
- Impart practical knowledge to students by providing training through Tally and lab excercises.
- Provide basic knowledge and understanding of concepts in the areas of Corporate Governance, Venture Capital Financing International Trade and Export Management.

ELIGIBILITY & DURATION

UG PROGRAMME

: B.Com.,

DURATION

: 3Years, Six Semesters

UNIQUE COURSE FEATURES & SKILL SETS GAINED

Financial Modelling : Financial Functions using Excel

Practical Accounting : Tally

Practical Banking : Transaction & Documentation

Taxation : E-Filing, GST & Knowledge in Income Tax.

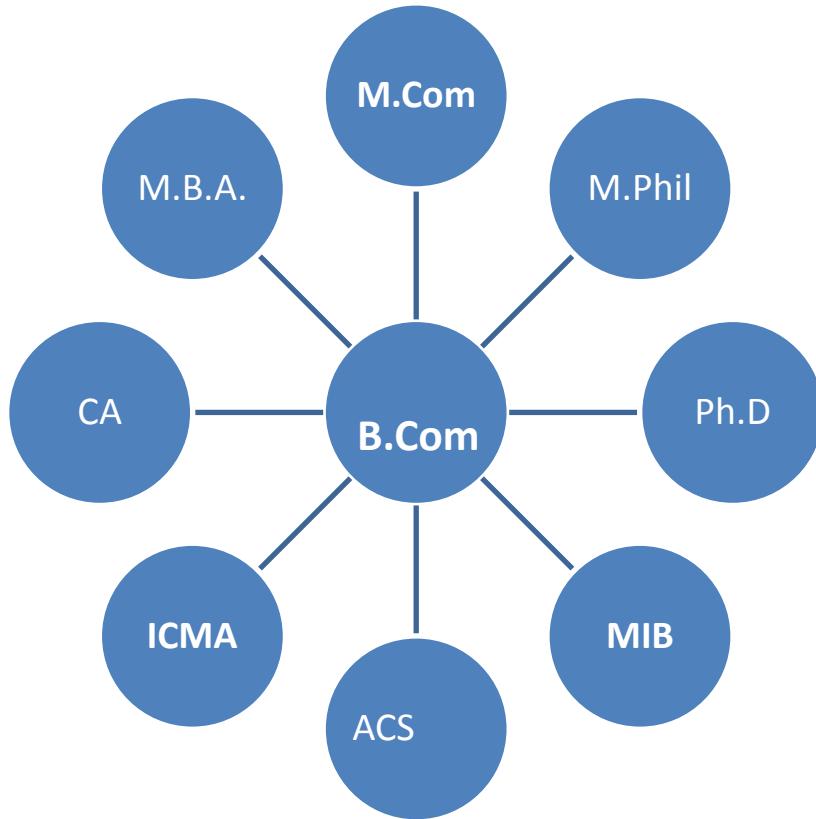
STUDENTS' PROGRESSION

Career Opportunities

The course aims to produce qualified and trained personnel for fields such as

- Accounts Executive
- Accounts Assistant
- Tax Consultant (Direct & Indirect)
- Legal Consultant
- Logistics/Store Keeper
- Credit Analyst
- Financial Analyst
- Cost & Management Consultant
- Teaching Professional
- Banking Professional
- Insurance
- Marketing
- Stock Market Practices

HIGHER STUDIES



SOME OF OUR PRESTIGIOUS RECRUITERS



DEPARTMENT OF BOTANY



Botany is a branch of Biology, which is the study of all living Organisms. It is the Scientific study of plants, it would mean studying in depth about fungi, algae, plants, diseases, growth, metabolism and the structure between different groups. When planning a career in Botany, the job profile can include study of plants, research, working with industries, teaching, self employment, and being a part of many more fields. Botanists are required by various organizations ranging from Multinational to Research Organizations Hospitality and Tourism Bodies, depending upon the nature of their activities. They fit into different roles depending on the activity of the organization and evolve into senior positions with high salary.

HIGHLIGHTS OF THE PROGRAMME

HIGHER STUDIES

**B.Ed., M.Sc.,
M. Phil., Ph.D.**

- ❖ The Programme gains knowledge of the importance of plants in conserving Food and Fuel.
- ❖ Acquire skills in Drawing by actual observation at its original and natural condition.
- ❖ Know the nutritive value of Food and maintain “Health Care Problems”
- ❖ Create awareness in the understanding of extinct plants and create awareness of Natural Resources and Methods of Conservation.
- ❖ To develop the skills of growing various horticultural plants thereby to raise a nursery.
- ❖ To motivate for self-employment and practicing in the preparation of Mushroom Cultivation.
- ❖ To gain knowledge for exploration of new plants of unknown value and known plants of unknown value of their secondary metabolites.

STUDENTS' PROGRESSION:

Career opportunities

- ❖ Plant Explorer
- Conservationist
- ❖ School Teacher
- ❖ Ecologist
- Environment
- Consultant
- ❖ Horticulturist
- ❖ Plant Biochemist
- ❖ Molecular
- Biologist
- ❖ Biotechnology
- Firms
- ❖ Forest Services
- ❖ Oil Industry
- ❖ Land Management
- Agencies
- ❖ Seed And Nursery
- Companies

ELIGIBILITY & DURATION

UG PROGRAMME : B.Sc.,

Duration : 3 years, six semesters

Entry Requirements : +2 pass with Physics, Chemistry & Biology

PG PROGRAMME : M. Sc.,

Duration : 2 years, Four Semesters

Entry Requirements : Pass in B.Sc., Botany.

RESEARCH PROGRAMME : M. Phil.

Duration : Full Time: 1 year, Two Semesters

: Part Time: 2 Years, Two semesters

Entry Requirements: Pass in M.Sc., Botany.



Department of Data Science

In the Golden Jubilee (1967-2017) celebration of our College, we are the first institution to introduce Data Science Program under Bharathidasan University affiliated colleges in the academic year 2017-2018. The Department of Data Science is one of the pioneering departments of the Nehru Memorial College.

OUR PROGRAM

In response to the growing demand of Data Scientists, the Nehru Memorial College offers a two-year M.Sc., & three-year B.Sc., degree program for individuals who wish to pursue a career in Data Science. Students will learn how to use statistical methods and advanced technologies to interpret data. Most importantly, the students will obtain the industry needed skills necessary to translate their understanding into actionable strategies. Coursework focuses on Statistics, Big Data Analysis & Business Intelligence.

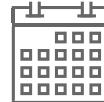
CAREER OPPORTUNITIES

Upon graduation, graduates will be prepared to pursue a career in Data Science, Big Data Analytics and Business Intelligence – some of the most rapidly growing areas in Health Care, Business as well as in Financial Analysis and the Applied Sciences.

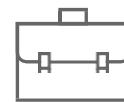
COMPANIES HIRING IN THIS COURSE

- AccentureSolution
- Cyber Analytics
- Infosys
- Amazon
- General Motors
- Samsung
- Apple
- Google
- The HCI Group

PROGRAM



PROGRAM LENGTH:
B.Sc., – THREE YEARS
M.Sc.,- TWO YEARS



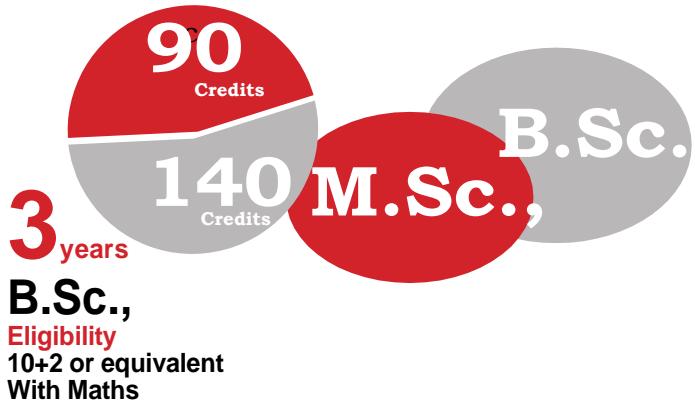
WHY@NMC:
AFFORDABLE FEES
EXPERTS TEACHING
INTERNSHIP



CUTTING EDGE
CURRICULUM WITH
PRACTICAL

A DEEPER LOOK AT THE DATA SCIENCE PROGRAM AT NMC

2 years M.
Sc.,
Eligibility
B.Sc.,
/B.Tech./
B.E., with
Maths



CAREERS

Data Scientist
Big Data Analytics
Data Architect
Data Engineer

Application Process

Apply: [NMC](#)

Internship Interview



Learning from Industry Expert



NCMRWF- Ministry of Earth
Interned students with order



Pay:

Application fee

Scholarships

Eligible students are guided for a scholarship as part of their program.

Program details

Visit:

www.nmc.ac.in

Programme Highlights

- ❖ Learn from Industry & Academic expert how to utilize a combination of Science, art & Business techniques to deliver new insights and Competitive Intelligence.
- ❖ Describe the phases of the analytics life cycle.
- ❖ Utilize a variety of statistical and Computer Science tools and techniques to analyze data.

QUESTIONS?:

Data Science | Department

nmc.ds.mala@gmail.com
8903278311

PG and Research Department of Physics

Programme: B Sc in Physics, M.Sc in Physics.

B.Sc Physics

Duration: 3 years full time, six semesters.

Intake: Only one intake per year, every year in the month of May/June.

Eligibility: Passed in H. Sc with Physics

M.Sc Physics

Duration: 2 years full time, four semesters.

Intake: Only one intake per year, every year in the month of June/July.

Eligibility: Passed in B.Sc., Physics

About the Department

Knowledge needs Creativity and Creativity needs Diligence. Education plays pivot role in the individual's life and moulds the individual's character. Education empowers individuals with learning, creativity, awareness about society, science, technology and their applications. Education inculcates good human values. Only education can help the younger generation to become the responsible citizens of this nation.

Vision of the Department

- Offering quality education to science students. Creating a conducive atmosphere with emphasis on academic learning.

- Youth empowerment through higher education.

Mission of the Department

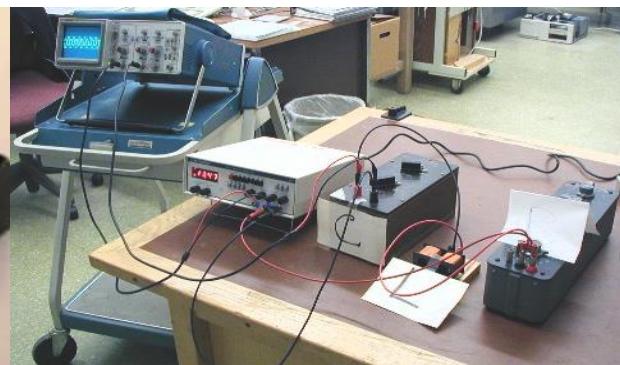
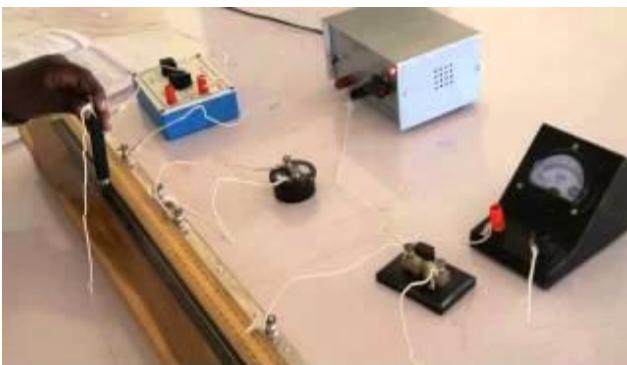
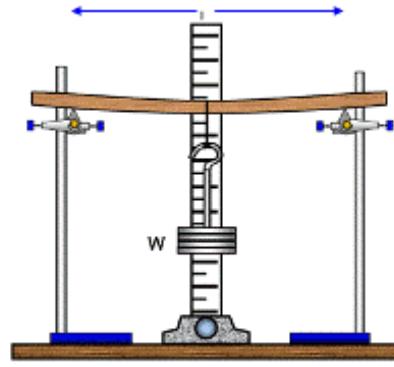
- To create and acquire relevant knowledge along with skill and competencies.
- To undertake research work contributing to the creation of knowledge, skills and its applications for sustainable development.
- To establish linkage and collaborations for the betterment of teaching, learning, research and extension activities.

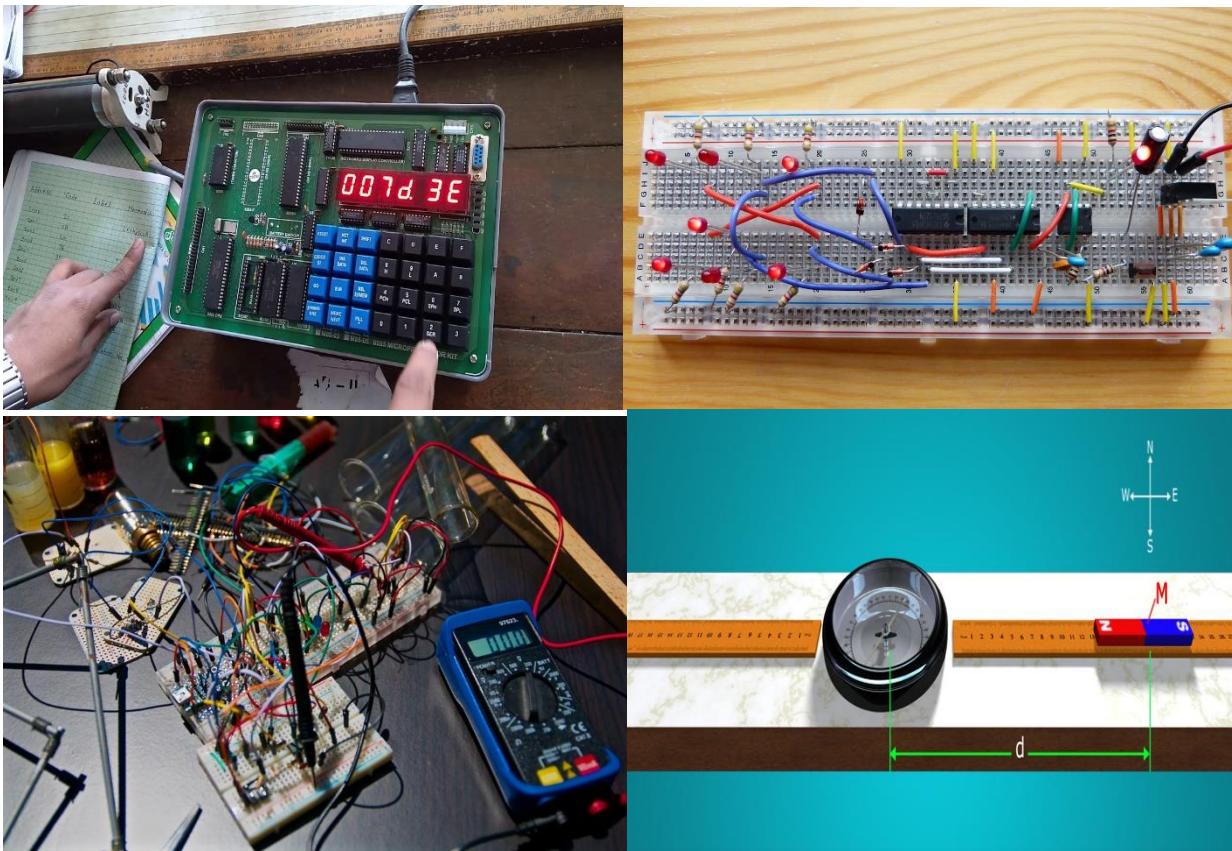
MISSION

- Establish the department as a global player in science and technology.
- Excel in scientific R & D and consultancy.
- Create an environment for society aimed at knowledge enhancement.

BEST PRACTICES OF THE DEPARTMENT

- Encouraging students to use more of e-learning resources – NPTEL, edX and MIT lectures .
- Encouraging Students to attend intercollegiate debate competitions, quiz competitions and science exhibitions.
- Student Seminars.
- Organizing Seminars/Workshops/Special lectures.
- Students visit to national facility and Research centre – SHAR (ISRO) Sriharikota , IGCAR Kalpak am, VSSC,ISRO Trivandrum , CECRI Karikudi, RAC (TIFR) OOty and kodaikanal observatory (IIA)center.
- Availing the assistance from PG Department of Physics for UG Academic and Co curricular activities.





CAREER OPPORTUNITIES

- Our graduates can enter government jobs through the civil services examination or other channels.
- Basic course for self – employment.
- Physics teachers in field of education.
- Computer programmers in IT sector.
- Students can specialize in their area of interest through M.Phil. / Ph.D. Programs.

After B.Sc., PHYSICS.,

- M.Sc (Electronic Media)
- M.Sc (Material Science)
- B.Ed.
- B.Tech Electronics
- M. Sc Acoustics
- M. Sc Applied Electronics
- M. Sc Astronomy
- M. Sc Astrophysics
- M. Sc Electronics
- M. Sc Geophysics
- M. Sc Medical Physics
- M. Sc Nuclear physics

- M. Sc Physics
- M. Sc Vacuum Sciences
- Master in Atomic and Molecular Physics
- MBA
- MCA
- PG Diploma in Physics
- Postgraduate Certificate and Diplomas Physics
- Postgraduate Certificate in Education Physics

Eligible for SSC, UPSC. Become officers in NAVY and AIRFORCE services through NATIONAL DEFENDCE SERVICE (NDS) Exams.

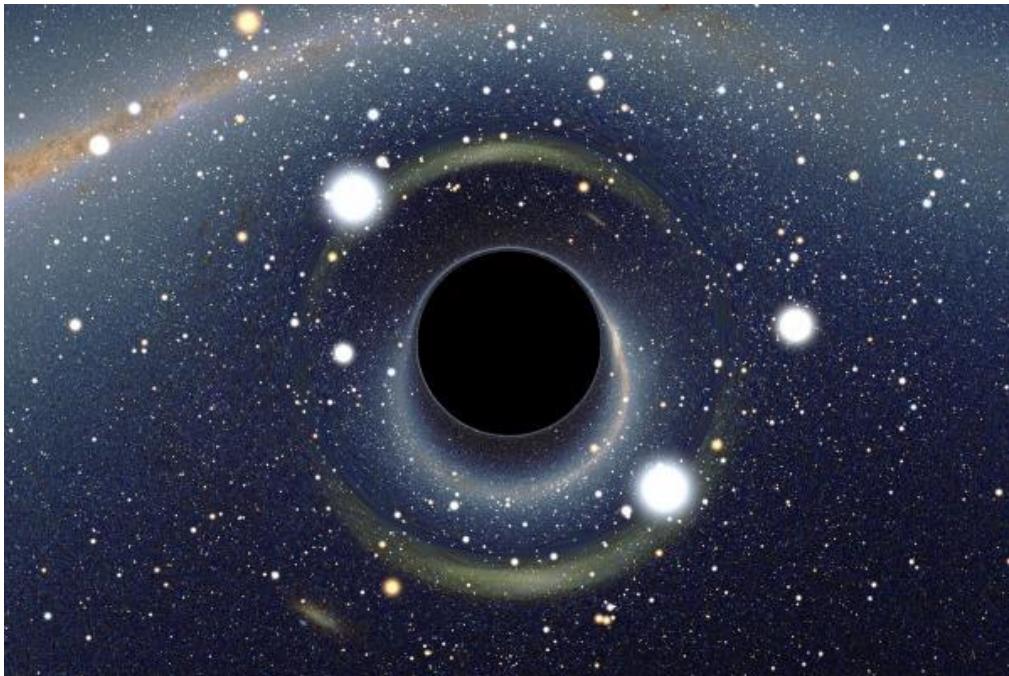
After M.Sc., PHYSICS.,

M.Tech (Remote sensing in Anna University), M.Tech (Non-Destructive Testing in NIT, Trichy), B.Ed.,

Scientific officers in IGCAR, ISRO, CECRI, DRDO,IPR,IPL,TIFR,BARC and other CSIR labs.

Opportunities in uniform services particularly scientific officers in forensic departments.

- M.Phil. Physics
- Master of Research in Physics
- PhD Physics



Furthermore, Physics students may enter the physics divisions or the R&D dept of leading automobile majors, the aircraft industry etc. One can also look forward to becoming a Physics teacher or professor.

M.Sc., EMBEDDED SYSTEMS

M.Sc., in Embedded Systems is a two year PG degree in the field of Computer Science. **ABOUT EMBEDDED SYSTEMS**

Embedded System is an application that consists of at least one programmable computer, typically in the form of a microcontroller, a microprocessor or digital signal processor chip, which is used in the electronic appliances. Use of Embedded Processors in Passenger Cars, Mobile Phones, Medical Equipment, Aerospace System and Defence System is widespread, and even everyday Domestic Appliances such as Dishwashers, Televisions, Washing Machines and Video recorders now include at least one such device.

PROGRAMME HIGHLIGHTS

- The course provides high end technical skills/training in Embedded Technologies to Science graduates.
- It satisfies both the current and future demands of advanced Information Technology Industries Internationally.
- It promotes research through training and education in advanced technological knowledge and application of the Embedded Systems.
- The curriculum is set to meet the increasing industrial demand for quality IT experts in the field of Computer Science and Electronics.
- Develops the students' innovative thinking, creativity and independent learning ability which is a pre-requisite for acquiring new skills, consistent professional development, and further research.

DURATION AND ELIGIBILITY

PG PROGRAMME	M.Sc., Embedded Systems
DURATION	2 years – 4 semesters
REQUIREMENTS	Passed in B.Sc., Computer Science/ Electronics/ Industrial Electronics / Physics/ Applied Physics/BCA

UNIQUE SKILL SETS GAINED

- 8051, AVR, PIC Family Hardware/Software Tools
- Mixed Signal Processor
- Silicon Lab IDE
- ARM Processor-Texas Instruments and STM Microcontroller
- PSoC and IDE Tools
- Raspberry Pi 3
- IOT Devices
- Real Time Operating Systems

CAREER SCOPE

- ◆ Embedded Software Developer
- ◆ IOT Product Developer
- ◆ RTOS Developer

EDUCATIONAL SCOPE

- ◆ M.Tech.
- ◆ Ph.D.



MASTER OF ARTS IN ECONOMICS

The Master of Arts in Economics is designed to provide students with a strong economic focus. It equips students with knowledge of the general principles of Business, Finance, Taxation and Banking. M.A., Economics is a two year PG degree in the field of Economics. The course is designed for those who have already studied Economics and wish to deepen their subject knowledge.

PROGRAMME HIGHLIGHTS

- The department provides high quality teaching and personal attention to students at all stages of learning.
- Students gain insight into the functioning of the economy.
- The students are enabled to
 - ✓ excel in research in Economics
 - ✓ understand important economic issues
 - ✓ become enriched in Applied Econometrics
 - ✓ develop teaching and learning skills in Economics
 - ✓ acquire a Research Attitude
 - ✓ apply economic reasoning to policy issues.

DURATION AND ELIGIBILITY

PG PROGRAMME	M.A., Economics
DURATION	2 years – 4 semesters
REQUIREMENTS	Pass in B.A., Economics

UNIQUE SKILL SETS GAINED

- The study of Economics is highly inter connected with various other fields, in short, it's highly inter disciplinary. Therefore, skills developed as an Economist is highly valuable.
- On completion of the course, the students are equipped with Economic skills and Knowledge.
- Students can interpret and understand the important Economic issues
- They develop critical thinking and research oriented analysis
- The study deals with focusing on individuals or businesses within an Economy
- The students also learn and articulate Applied Economics.
- They could also gain teaching and learning skills in Economics

CAREER SCOPE

This degree opens up careers in a wide range of fields. Our graduates go on to a range of Profession. To name a few

- ◆ Economic Advisor
- ◆ Financial Analyst
- ◆ Banker
- ◆ Policy Analyst
- ◆ Tax Official
- ◆ Government jobs
- ◆ Think tank
- ◆ Economic Journalist, etc.

EDUCATIONAL SCOPE

Master of Arts in Economics act as a springboard into further study and research into the field of Economics as follows,

- ◆ M.Phil.
- ◆ Ph.D.
- ◆ Students can also appear for Competitive Exams.



HOSTEL FACILITIES:

As our College is located in a remote area surrounded by villages, most of the students have to stay in Hostel for their studies. We have four hostels, operated separately two for men and two for women students and totally all these four hostels could conveniently accommodate more than 2000 students. They also provide an ideal environment for a holistic residential learning experience.

WOMEN HOSTELS:

There are two Hostels separately operated for women students. They are (1) Sir.C.V.Raman Hostel and (2) U.G.C Hostel (Hostel constructed for women students under agies of U.G.C Grant.) Both these hostels could accommodate more than 1400 women students and they are having spacious dining halls, where more than 500 students could dine at a time. Spacious and modern kitchens are there and food is cooked under steam.

Nutritious vegetarian food is served for all students. The inmates are provided with reading rooms and computer labs with internet connectivity. To help the students to lead a healthy life a well equipped multi-gymnasium has been functioning in the women's hostel. The day to day affairs of the hostel such as deciding menu, purchase and accounting are monitored by inmates by various committees and expenses are divided among students i.e., mess is being operated on dividing system.

HOSTEL FOR MEN

There are two hostels for men (1) Mahatma Gandhi Centenary Hostel and (2) Highland Hostel which could accommodate more than 600 students. Both the Hostels are having separate kitchen and dining halls. In Men's Hostel also the same dividing system is followed and only Nutritious vegetarian food is served for the students.

Men's Hostel are also well equipped with reading rooms, Gym and computer labs with internet connectivity.

TRANSPORT FACILITIES.

In the recent years the strength of Dayscholar students have been increasing. To cope up with this trend and to facilitate the women students for their convenient and safe travel, sufficient number of buses and vans are operated to different points.

Buses are operated to the following places from the college

- 1) B.Mettur via Eragudi, Thuraiyur
 - 2) Lalgudi via Tollgate, Samayapuram, Mannachanllur
 - 3) Trichy via Tollgate, Peramangalam
 - 4) Alagapuri via Pachaperumalpatti, Eragdui, Thuraiyur
 - 5) Angiyam via Mettupalayam,Kannanur,Thammampati
 - 6) Kottapalyam via Vairichettipalyam, Koppampatti, Thuraiyur
 - 7) B.Mettur via Maradi, Pudupatti, Murngoor, Thuraiyur
 - 8) Koppampatti via Sobanapuram, Upliyapuram, Thuraiyur
 - 9) Okkarai via Narasingapuram, Renganathapuram, Vengadathanur, Kottathur

- 10) Thammampatti via Upliyapuram, Thuraiyur
- 11) Poonatchi via Keerambur, Sengattupatti, Thuraiyur

Vans are operated to the following places from the college

- 1) Musuri via Moovanur, Manbarai, Pulivalam
- 2) T.Kalathur via Thenur, Chettikulam, Peragambi
- 3) Reddimangudi via Siruganoor, Edumalai.

Bus / Van fees are collected per semester and student commuters are charged at par with mofusil bus fare.