



KARAVALI GROUP OF COLLEGES

(AFFILIATED TO MANGALORE UNIVERSITY, R.G.U.H.S., V.T.U. & RECOGNISED BY GOVERNMENT)
(APPROVED BY AICTE, PCI, INC & NCTE)

SPONSORED AND MANAGED BY G. R. EDUCATION TRUST (REGD.)

N.H. 66, Near Kottara Chowki, Bangra, Mangalore - 575 013 Karnataka, India

Ph: 0824 - 2455656, 6451499 Fax: 0824 - 2455656

Email: info@karavalicollege.com

Visit us at: karavalicollege.ac.in

Leadership through Excellence.....



PROUD KARAVALIANS ARE PLACED IN





G.R. EDUCATION TRUST (R) KARAVALI GROUP OF COLLEGES

Affiliations & Recognitions

- ✓ Affiliated to RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES, BANGALORE (R.G.U.H.S.)
- ✓ Affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM (V.T.U.)
- ✓ Affiliated to MANGALORE UNIVERSITY (M.U.)
- ✓ Recognised by INDIAN NURSING COUNCIL (I.N.C.)
- ✓ Recognised by KARNATAKA NURSING COUNCIL (KNC)
- ✓ Recognised by NATIONAL COUNCIL FOR TEACHER EDUCATION (N.C.T.E.)
- ✓ Recognised by ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)
- ✓ Recognised by PHARMACY COUNCIL OF INDIA (P.C.I.)
- ✓ Recognised by GOVERNMENT

Courses affiliated to Visvesvaraya Technological University

KARAVALI INSTITUTE OF TECHNOLOGY

B.E. / B. TECH Engineering Courses

- | | |
|---|---|
| <input checked="" type="checkbox"/> Computer Science & Engineering | <input checked="" type="checkbox"/> Aeronautical Engineering |
| <input checked="" type="checkbox"/> Electronics & Communication Engineering | <input checked="" type="checkbox"/> Electrical & Electronics Engineering <input checked="" type="checkbox"/> M.B.A. |
| <input checked="" type="checkbox"/> Mechanical Engineering | <input checked="" type="checkbox"/> Civil Engineering <input checked="" type="checkbox"/> M. Tech - Industrial Automation & Robotics |
| | <input checked="" type="checkbox"/> Information Science & Engineering <input checked="" type="checkbox"/> M. Tech - Construction Technology |

Courses affiliated to Rajiv Gandhi University of Health Sciences

KARAVALI COLLEGE OF NURSING SCIENCE

- ☒ B. Sc. Nursing (Basic)
- ☒ P. C. B. Sc. (Nursing)
- ☒ M. Sc. Nursing

KARAVALI COLLEGE OF PHARMACY

- ☒ B. PHARM
- ☒ M. PHARM
- ☒ PHARM D.

Courses affiliated to Mangalore University

KARAVALI COLLEGE

- ☒ B. Sc. Interior Design & Decoration
- ☒ B. Sc. Fashion Design
- ☒ B. B. M. Bachelor in Business Management
- ☒ B. Sc. Hospitality Science (Hotel Management)
- ☒ B. C. A. Bachelor in Computer Applications
- ☒ M. S. W. Masters in Social Work

KARAVALI COLLEGE OF HOTEL MANAGEMENT

- ☒ B. H. M. Bachelor of Hotel Management

KARAVALI COLLEGE OF EDUCATION

- ☒ B. ED. Bachelor of Education

KARAVALI INSTITUTE OF EDUCATION

- ☒ D. ED. Diploma in Education

Polytechnic Diploma Courses under Directorate of Technical Education, Karnataka

KARAVALI POLYTECHNIC

- | | | |
|--|---|--|
| <input checked="" type="checkbox"/> Computer Science | <input checked="" type="checkbox"/> Electronics Engineering | <input checked="" type="checkbox"/> Aeronautical Engineering |
| <input checked="" type="checkbox"/> Mechanical Engineering | <input checked="" type="checkbox"/> Civil Engineering | <input checked="" type="checkbox"/> Electrical Engineering |
| <input checked="" type="checkbox"/> Automobile Engineering | | |

For admission and hostel details please contact:

Special Officer(Admissions)

G. R. EDUCATION TRUST (R)
KARAVALI GROUP OF COLLEGES

N.H. 66, Near Kottara Chowki, Mangalore, 575 013 Karnataka, India.

Ph.: 0824-2455656, 6451499

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info@karavalicollege.com

www.karavalicollege.com

INTRODUCTION



Mr. Ganesh S. Rao
Founder-Chairman

Today, we live in an era when the world is opening its eyes to India. Even as India is fast emerging as a new economic superpower, Indian professionals are scaling the commanding heights of the global economy. High intellectual ability combined with strong academic background and capacity for hard work has made Indians the most sought after workforce all over the world.

Sound professional qualifications are the most important credentials required for today's youth to succeed in this scenario. Getting the right education is the first big step to launch into a rewarding career. Fields like Information Technology, Computer Science, Electronics and Communication, Electrical and Electronics, Aeronautical Engineering, Mechanical Engineering, Civil Engineering, Interior Design, Fashion Design, Nursing, Pharmacy, Hospitality Science, Hotel Management, Computer Applications, Business Management, Education and Social Work are career avenues having a bright future.

These fields, which already enjoy distinction in the developed countries, are gaining prominence in the developing countries too and there is an acute shortage for qualified manpower. Young people with talent and the required qualifications can easily find lucrative career openings in these sectors.

Karavali Colleges provide highly innovative skill oriented university affiliated courses which empower the new generation to get the right career break in these fields. The institutions not only provide students with quality education but also groom them to face life with confidence. Excellence in education is the driving principle at Karavali Colleges. No effort is spared in providing students with a focused academic environment which nurtures complete development of personality.

G. R. EDUCATION TRUST (R.)

Karavali Group of Colleges is sponsored and managed by G. R. Education Trust (R.), a premier educational institution. Since its inception in 1996, the activities of the Trust have been spearheaded by its Founder Chairman, Mr. Ganesh S. Rao, a young entrepreneur, educationist and a well known personality. His able, efficient and dynamic leadership has won widespread appreciation and he is a recipient of several national and international awards given in recognition of his extraordinary service in the field of education, especially in untapped professional areas

KARAVALI GROUP OF COLLEGES

Established in the year 1996, Karavali Group of Colleges is one of the fastest growing institutions in the field of professional education. Since inception, the Karavali Colleges have witnessed unprecedented expansion by successfully adding more and more new courses which provide excellent career opportunities.

The outstanding academic performance of the college is evident from the fact that it has been scoring almost 100% results in the final year examinations of all its courses over the last ten years, bagging continuous series of university ranks and an unprecedented 100% placement record in India and abroad.

Due to its high standards, comprehensive facilities and reputation for excellence, the colleges today attract students from all over India and foreign countries like Uganda, Maldives, Dubai, Nepal, Sri Lanka, Iran, Bangladesh, Kenya, Sudan, Tibet and Kuwait.



English Language Lab



Logic Design Lab



D.C. Machine Lab



Chemistry Lab



Digital Communication Lab



Physics Lab



Microbiology Lab



Physiology & Anatomy Lab



Pharmachemistry Lab



Fundamental Nursing Lab



Pharmaceutics Lab



Design Studio



Fashion Lab



Garment Workshop



Food & Beverage Production Lab



Food & Beverage Service Lab

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Material Testing Lab



High Voltage Lab



Electrical Lab



Electrical Lab



Fluid Power Lab



Survey Lab



Machine Shop - 1



Machine Shop - 2



Lathe Machine Shop



Shaping & Milling Lab



Pharmacy Machine Lab



Heat Transfer Lab



Fluid Mechanics Lab



Foundry and Forging Lab



Material Testing Lab



Heat Transfer Lab -1

FACILITIES

Campus

Karavali Group of Colleges has excellent infrastructure spread over three independent campuses in Mangalore. The main campus is situated along N.H. 17, near Kottara Chowki in Mangalore city. The second campus housing the Karavali College of Pharmacy is located along N.H. 13 in the picturesque Vamanjoor area in the city. The campus of Karavali Institute of Technology is located at Padu-Neerumarga. All campuses are easily accessible from all parts of the city by public transport. The college also has its own transportation fleet to transport students and staff. In addition, all campuses have Bank ATM, Canteen facilities.

Library

The college has well-stocked libraries with a large number of books on subjects related to the courses taught, in addition to literary volumes, ready reference encyclopedias etc. The college subscribes to all important newspapers, magazines, national and international books and journals. The library has a separate reference room in which students can put their raw ideas into perspective. The college gets resource assistance from concerned university libraries.

Faculty

The college has highly qualified and experienced professional faculty comprising doctorates and post graduates in respective fields. The college has a panel of eminent visiting faculty, who include reputed practitioners, experts and consultants. To guarantee a high quality and up-to-date study programme, guest lectures, viva and seminars are organized and regular meetings are held.

Hostels

The college runs separate hostels for boys and girls with all facilities within the campus. Great care has been taken to make the hostel a home away from home. Nutritious, hygienically prepared vegetarian and non-vegetarian food is served.

Canteen

The college has a well furnished and hygienic canteen which provides healthy and nutritious food to the students. The college canteen also has STD booth facilities.



GIRLS HOSTEL



Books & Stationery

This is a one-stop shop- modern, stylish and convenient providing for all the needs of students. Quality products sourced mostly from direct manufacturing points, ensure good pricing as well.

Play Ground

A tennis court, basket ball and volley ball court exists in the campus, apart from a host of other facilities for indoor and outdoor games. Physical education teachers plan and execute selection and training of the right teams, demonstrate and share the intricacies to ensure that games teach team building as much as derive satisfaction of achieving success on the field through skills and sweat.

Bank ATM

State Bank of India with a wide net work of branches all over the country and overseas and which is part of the Government of India, offers wide range of services to students and faculty in the campus including electronic transfer of remittances, payment of fees and other banking transactions.

Transport Facilities

A fleet of buses and vans are available to all the students commuting between colleges and the campus. Transport facility is provided to transport students to camps organized outside the campus.

Labs & Studios

The college has developed several labs for the various subjects to provide students with the best exposure and practical training. Each lab is furnished with the latest equipment and machinery. The college has full fledged Central Workshop, Mechanics & Kinematics Lab, Materials Testing & Strength of Materials Lab, Electrical Science Labs, Electronics Lab, Data Structure Lab, Micro Processor Lab, CAD Lab, Analog Electronics Lab, Hardware Description Language Lab, Control System Lab, Micro Controller Lab, Digital Signal Processing Lab, Power System Lab, Power Electronics Lab, Advanced Communication Lab, Computer Lab, Physics Lab, Chemistry Lab, Carpentry Shop, Fitting Shop, Welding Shop, Machine Shop, Sand Testing Lab, Material Testing & Metallography Lab, Mechanical Measurement & Metrology Lab, D.C. Machine & Synchronous Machine Lab, Foundry & Forging Lab, Pharmacchemistry Lab, Pharmacognosy Lab, Pharmaceutics Lab, Physiology & Anatomy Lab, Microbiology Lab, Fundamental Nursing Lab, Design Studio, Fashion Lab, Garment Workshop, Computer Lab with Internet, Food & Beverage Production Lab and Food & Beverage Service Lab.

The college has Memorandum of Understanding (MoU) with connected industries, hotels, hospitals and institutions to give a practical edge to the training and also gain recognition and placements.



KARAVALI INSTITUTE

AFFILIATED TO VISVESVARAYA
RECOGNISED BY ALL INDIA COUNCIL F

SPONSORED AND MANAGED

NEERMARGA MANGALORE -

Ph: 0824 - 2272124, 227

Email: info@karavalicollge.com

GIRLS COLLEGE

KARAVALI

KARAVALI INSTITUTE OF TECHNOLOGY



Infosys Campus Connect Program

Academic

RC

Robotics Res

THE INSTITUTION

With the growing importance of technology, Karavali Group of Colleges has established Karavali Institute of Technology, an institution which is poised to grow into a premier engineering college. At present the institute offers B.E. degree courses in seven streams: Aeronautical Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Information Science & Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Civil Engineering. The institute also offers M.Tech degree in Industrial Automation & Robotics, Constructions Technology & Master of Business Administration (MBA) programme.

COURSES OFFERED

B.E. - Aeronautical Engg.

B.E. - Civil Engg.

B.E. - Mechanical Engg.

B.E. - Computer Science & Engg.

B.E. - Electrical & Electronics Engg.

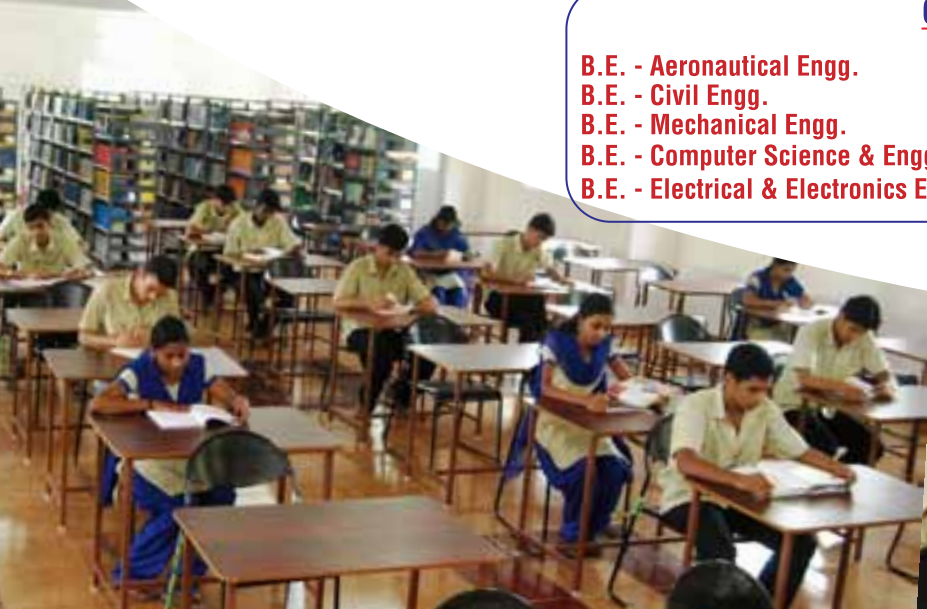
MBA (Master of Business Administration)

M.Tech - Industrial Automation & Robotics

M.Tech - Construction Technology

B.E. - Electronics & Communication Engg.

B.E. - Information Science & Engg.



KARAVALI INSTITUTE OF TECHNOLOGY

TECHNOLOGICAL UNIVERSITY, BELGAUM
FOR TECHNICAL EDUCATION (A.I.C.T.E.), NEW DELHI

BY G. R. EDUCATION TRUST (REGD.)

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KARNATAKA, INDIA

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Partners



Research Centre



SIEMENS Program

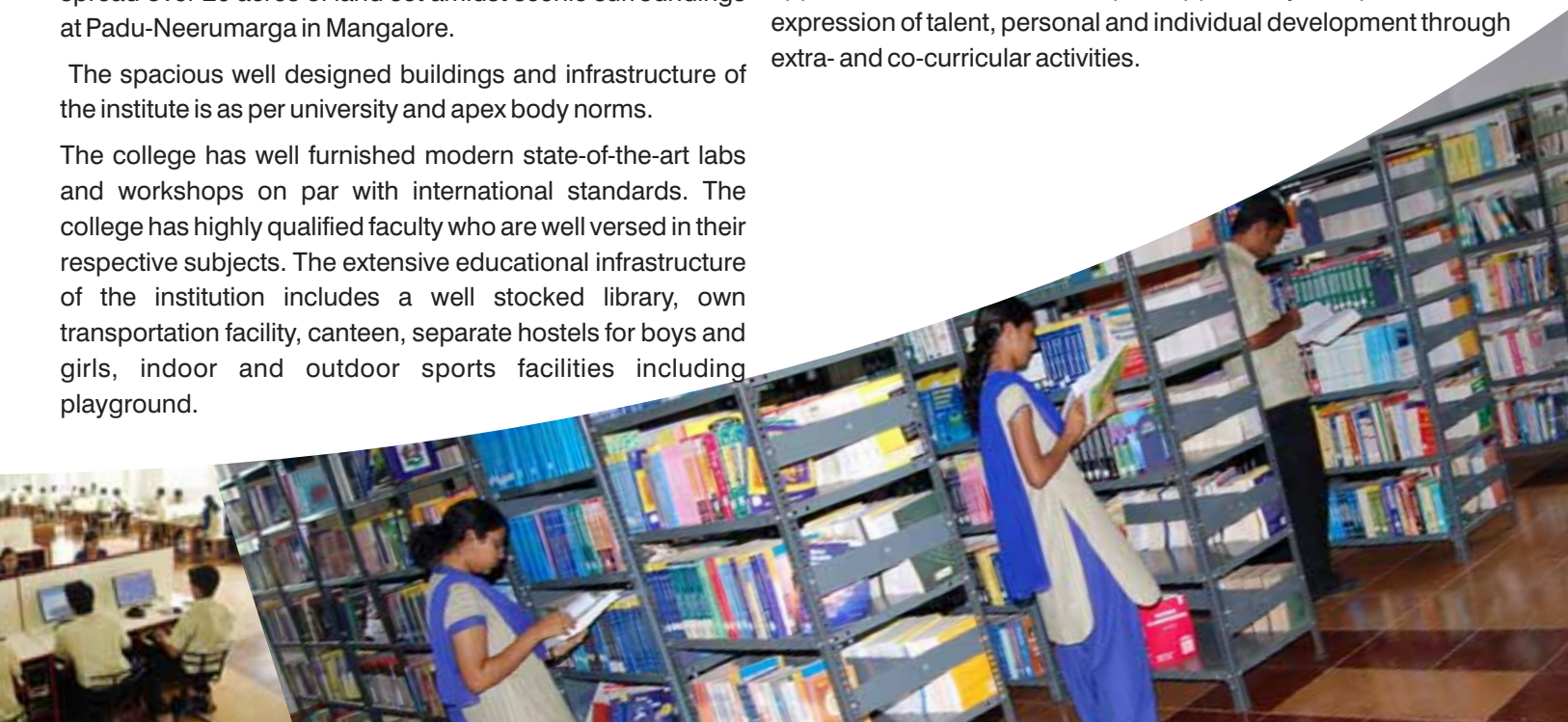
CAMPUS & FACILITIES

The sprawling campus of Karavali Institute of Technology is spread over 20 acres of land set amidst scenic surroundings at Padu-Neerumarga in Mangalore.

The spacious well designed buildings and infrastructure of the institute is as per university and apex body norms.

The college has well furnished modern state-of-the-art labs and workshops on par with international standards. The college has highly qualified faculty who are well versed in their respective subjects. The extensive educational infrastructure of the institution includes a well stocked library, own transportation facility, canteen, separate hostels for boys and girls, indoor and outdoor sports facilities including playground.

The institution also regularly organises cultural activities to enable the students from different parts of the country to interact and appreciate each other. Ample opportunity is provided for expression of talent, personal and individual development through extra- and co-curricular activities.



Product Lifecycle Management (PLM)

Product Lifecycle Management (PLM) is the process of managing the entire lifecycle of a product from its conception, through design and manufacture, to service and disposal. Hence, in this course the student will be exposed virtually to all the above mentioned processes which otherwise has to be learnt by visiting the firm. Students signed up for PLM course will have an extra edge over the students who haven't, which gives them a fair chance to be absorbed in the company. As PLM is the holistic software which covers all the domains of Mechanical Engineering - design, analysis and manufacturing, students have three times the opportunities. The student can be a Design Engineer, a Stress Analyst or a Manufacturing Engineer.



SIEMENS Program

What do Students Learn?

1. NX CAD: Redefines CAD productivity with unique High Definition 3D technology and powerful new design tools that boost their efficiency, accelerate the design process, lower costs, and improve decision-making while enhancing the 3D aspects of the High Definition PLM framework.
2. Teamcenter: Teamcenter software's complete PLM solution for aerospace, defense and virtually all engineering/ product services addresses the industry's need to pursue and execute programs that deliver highly engineered products against rigorously stated contract commitments and performance requirements. Teamcenter's configurable solution incorporates best practices that increase your PLM investment's time to value and enable your extended value chain to effectively collaborate in globally integrated delivery programs.

Program Highlights

- Cost effective and convenient
- Placement opportunities
- PLM Industry Experts as trainers
- 24x7 learning support – during/post training

Benefits to Student

- Helps the student to build PLM expertise
- Helps the student to prepare and clear Siemens certification
- Connects student to the right job before graduating

Career Options for Student

- Mechanical Design Engineer
- FEA Engineer
- Stress Analyst
- Product Development Engineer
- Structural Analysis Engineer
- Manufacturing Engineer

Academic Partners



This program will be open to engineering colleges in India, who meet certain criteria. Infosys will extend support to the colleges with necessary know-how, making available the industry-oriented topics, providing the courseware for industry specific subjects, providing projects for students, providing sabbaticals for the professors and holding seminars in the colleges.

RCSA

Robotics Research Centre

Robotics

The Robotics training addresses various concepts related to engineering principles, real life applications, and the integration of different components. Students will be engaged in designing and building a robot starting from simple and leading to complex robotics. This training will challenge the way students view Robotics Technology and how they apply it. A course in Robotics trains and educates the student in artificial intelligence, computer aided manufacturing, computer integrated manufacturing system, computational geometry, robot motion planning, digital electronics, and micro-processors. The scope for a career in Robotics is tremendous and students can explore career opportunities in diversified sectors ranging from space research organizations to pure manufacturing companies. Apart from automobile companies, which account for 70% of Robotics applications in India, other sectors like foundry, food, logistics, healthcare, and entertainment are also aggressively looking at adopting robots.

What do Students Learn?

The robotics course covers fundamental concepts from various domains like Electronics, Embedded Programming and Mechanical that are required to design and program a mobile robot. The course includes hands-on activities to enable the students to understand the design elements like Electrical Circuits, Power Supplies (for electronic circuit design), Sensors (input devices to robots), Actuators (output devices of a robot), Gears (required for mechanical construction into the actuators) and Power Drivers. This enables the students to program the robot using PIC Microcontroller to perform tasks like Pit Detection, Obstacle Avoidance, and Line & Light following. The robotics course also covers advanced topics like Image Processing, Wired and Wireless Communication, and Protocols for Designing and Programming a robot. The Robotics setup will provide the students with a complete exposure to the Mobile Robotics domain with Hands on Training on variety of Actuators, Sensors, Wireless Communication ISM Band Frequencies, Modem, LCD, Protocols, Microcontrollers, various tools for prototyping circuits with extensive Programming Experience on Embedded C.



Sl.no	Specification
1	Mobile Robots Steering Mechanism
2	Actuator Kit
3	Microcontroller Kit
4	Sensor Kit
5	Wireless Communication Set Up
6	Robot Soccer System

Student Benefits

- Assists the student to build Robotics expertise
- Assists the student to build & run Robots
- Connects student to the right job before graduating

Career Options for Student

- Embedded Design Engineer
- Robotics Engineer
- Control Engineer
- Mechanical Design Engineer
- Process Engineer

B.E. - COMPUTER SCIENCE & ENGINEERING

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY

RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology.

Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

The programme in Computer Science is designed to meet the needs of the industry in all areas where computing / processing power is required. Alongside, there is research activity going on at several levels in order to improve the functional capabilities of the equipment falling in the broad area of computers and communication. The prospects of growth for a promising graduate would be immense going by industry standards.



B.E. - INFORMATION SCIENCE & ENGINEERING

**AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)**

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology. Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

With the fast growing world economy, the major contributor is the Information Science department. This branch deals with the information processing techniques, data security, enhanced computer applications and its supporting hardware peripherals. With the practitioners of this branch the professionals are handsomely remunerated as it is the booming sector in the current era which has anchored itself tightly and is unmoved ever since its entry. With the kind of exposure given to the Indian professionals, they are rich in technicality and skill catering the needs of world's demands.



B.E. - ELECTRONICS & COMMUNICATION ENGINEERING

**AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)**

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology. Foreign students having equivalent qualifications are also eligible.

JOB OPPORTUNITIES

Different techniques of Data compression techniques, modulation and demodulation techniques and various components involved in wireless communication, long distance enhanced quality communication, optical communication, computer communication technologies and networking, design and embedded systems forms the parts of the curriculum. The contents are structured according to the latest demands in the current trend and the students are trained extensively in line with the quality needs.



B.E. - ELECTRICAL & ELECTRONICS ENGINEERING

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY

RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology.

Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

Electrical and Electronics branch is one of the most important branches which is highly practical oriented field. The core parts of the curriculum deals with the power generation, distribution, transmission and detailed scrutiny of the electrical equipment. The course also deals with the control systems, instrumentation, measurement and protection of electrical equipments alongside detailed inside-out of the domestic electrical set up. It takes its lead in every field as there can be no area without power utilization.



B.E. - MECHANICAL ENGINEERING

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY

RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology/ Electronics. Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

Mechanical branch deals with designing parts and product required for any machineries to work. Its application involving laws from Physics, manufacturing and maintenance of mechanical systems makes the study worth. It finds its application in numerous fields, viz.

automobile, manufacturing plants, robotics, and prosthetic medical units and has its reach in almost all areas of application. Mechanical engineers fit themselves more easily into their core area as trained and sophisticated professionals are invited in all the manufacturing industries with high remuneration packages. The curriculum includes training the students in various fields with precision as is required in the field of shipping, foundry units, earth moving equipment, machine tools, domestic and industrial lining and so on.

Mechanical engineers need not always wait for the employment and can be an entrepreneur starting their business with small investments and can expand into an industry. They can also be consulted by others to be assisted by other manufacturers.



B.E. - CIVIL ENGINEERING

**AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)**

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology. Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

Civil engineering is another challenging and purely practical oriented branch of engineering with wide demand. Indian Civil professionals are not only in demand in the country but also highly in demand overseas which actually gives the practitioners more success rate for their cheese and cherries. Their work is absolutely challenging

as it includes the designing, construction and reinforcing both natural and manmade environment. Civil engineering is the root of a huge tree which branches across projecting into the areas such as environmental engineering, geotechnical engineering, coastal engineering, surveying and various other very important fields. Its vicinity is absolutely infinite as the civil engineers act upon an all sectors, both public and private. From homes to hotels, schools to colleges, small offices to skyscraping buildings the civil engineers are responsible for its beauty and strength. Infrastructure building is taking off in the Middle East, Asia, Africa and many other countries as it adds to the tourism which successively adds to the national income of any country. Indian Civil engineers are finding their role play across the globe, which is going to stay for next few decades. Scope of civil engineers lies with many developing countries in Middle East, Africa, Asia where infrastructure development is picking up and Indian engineers are in great demand.



B.E. - AERONAUTICAL ENGINEERING

**AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)**

COURSE DURATION

This is a four-year regular programme comprising eight semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% aggregate marks in Physics, Maths, Chemistry/ Bio-Tech / Computer Science / Biology. Foreign students having equivalent qualifications are also eligible for admission.

JOB OPPORTUNITIES

Aeronautical Engineering Courses imparts multi-faceted training to students. In India aeronautical engineers are mostly picked by ISRO (Indian Space Research Organisation) and the Defence Ministry. One can also look for jobs available with Civil Aviation Department, National Aeronautical laboratory, Defence research and Development Laboratories and Hindustan Aeronautics Limited.



M.TECH - INDUSTRIAL AUTOMATION & ROBOTICS

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

COURSE DURATION

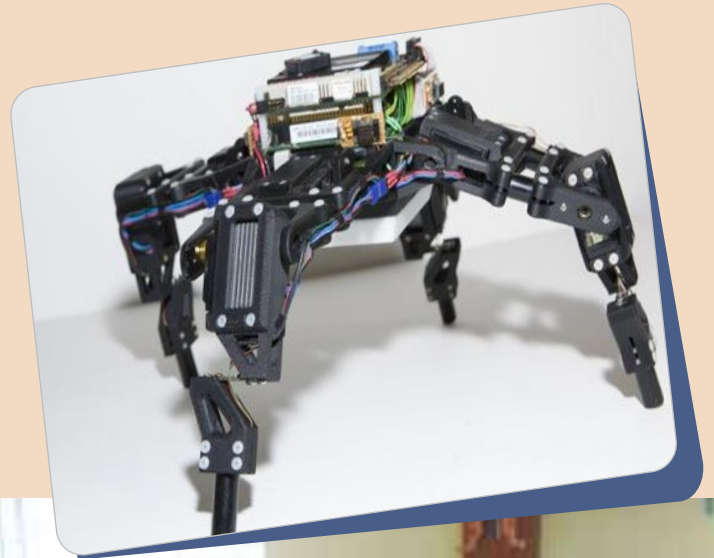
This is a two - year regular programme comprising four semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

50% in B.E. Degree or equivalent.

JOB OPPORTUNITIES

Present day trend is towards use of automated machineries, which increase the production capacity to very high quantity. For these machineries either for manufacturing or for maintenance, more number of qualified professionals in the area of computer-integrated manufacturing is required. In addition, the present conventional industries are getting retrofitted into automated industries. Even for such activities experienced professionals with computer integrated manufacturing knowledge is required. By considering above information, knowledge of CIM will benefit professionals / students to get into high profile jobs of highly automated industries.



M.TECH - CONSTRUCTION TECHNOLOGY

AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

COURSE DURATION

This is a two - year regular programme comprising four semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

50% in B.E. Degree or equivalent.

JOB OPPORTUNITIES

As the sum of human knowledge increases and business gets more sophisticated across the world. It is not merely technology literacy that would serve the industry. Opportunities exists a lot after a master degree in Engineering. A master student in engineering can always get placed in a better position in industry, than that of a graduate. M.Tech degree in construction management is one of the best options for civil engineers and its having great scope in the country, specially because of the unprecedented development taking places and shortage of good construction professionals with sound knowledge of the basics of the planning of construction activities and hence there is great demand for people having post graduation in this degree .



MANAGEMENT

M.B.A. - MASTER OF BUSINESS ADMINISTRATION

**AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)**

COURSE DURATION

This is a two-year regular postgraduate programme comprising four semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Graduates in Arts, Commerce, Law, Science, Engineering, Agriculture, any degree under 10+2+3 scheme with 50% marks in aggregate (for all three years including languages).

SCOPE AND PROSPECTS

For those who find that they best fit into the corporate world with white collared jobs this post graduate course in business administration is a valuable qualification. Due to the impact of liberalization, privatization and globalization there is an overwhelming demand for the management

professionals throughout the globe. The old type of family run business model is now being replaced due to the increasing competition. The companies are now looking for the professionals who are trained extensively in the field of business management and administration to crack the market of their competitors. The Visvesvaraya Technological University has brought up this course to serve the industrial demands by giving a professional touch to the students and make them industry ready. Students will undergo on-site training and a summer project (6 weeks). There is a broad spectrum by the virtue of which students can choose upon their field of interest such as, finance, marketing, human resource management, information system management, banking and insurance, international business or product management. There are various case studies for the students to realize the practical situations and act upon their arrival.



POLYTECHNIC DIPLOMA

UNDER THE DIRECTORATE OF TECHNICAL EDUCATION, KARNATAKA

RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)

- ☑ AERONAUTICAL ENGINEERING
- ☑ MECHANICAL ENGINEERING
- ☑ ELECTRONICS ENGINEERING
- ☑ ELECTRICAL ENGINEERING

- ☑ COMPUTER SCIENCE
- ☑ CIVIL ENGINEERING
- ☑ AUTOMOBILE ENGINEERING

COURSE DURATION

This is a three-year regular programme comprising six semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10th standard with min. 35% in Maths and General Science.

SCOPE & PROSPECTS

Aeronautical Engineering: The aviation industry is growing up in

India and abroad at a steady pace. Numbers of opportunities are available for Aeronautical Diploma holders in Aviation industry in India and abroad.

Mechanical Engineering: The students are exposed to Mechanical Drafting, Designing, Modification of Existing Design, Estimating and Costing, Operating of various machines and their maintenance. The Diploma Holders can find employment in reputed industries.



Electrical Engineering: The students are given basic technical exposure to the transmission, distribution and utilization of electrical energy. There is widespread employment opportunity in industries, power supply and generation companies, maintenance sector and self employment.

Computer Science: The students are exposed to basics of computers, microprocessor and software. They are also trained in PC hardware, maintenance and networking. On course completion, they can seek employment in IT industry, BPO and Call Centres. They are eligible for further training at HAL, NAL, etc.

Electronics Engineering: The service of electronic technicians is required in aerospace, defence research, electronic durables etc with opportunities in India and abroad. There is also ample scope to upgrade one's qualification by

pursuing higher studies.

Civil Engineering: This course provides exposure to aspects like planning, drafting, surveying, estimation and costing, construction technology and software like AUTOCAD and STAAD. Good placement opportunities are available in government and private sectors and also to establish their own consultancy or become Licensed Class I Contractors.

Automobile Engineering: There is an acute shortage of service technicians and engineers who could readily take on the responsibilities of servicing, overhauling and maintenance of various kinds of motor vehicles, oil engines and commercial vehicles. Moreover all public sector and private sector companies require Automobile Diploma holders for the maintenance of their fleet of vehicles. The automobile workshop at the academy is well equipped to prepare the students for a good career in automobile industry.





SURGING AHEAD



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WITH CONFIDENCE





KARAVALI COLLEGE OF PHARMACY

AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
RECOGNISED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION (A.I.C.T.E.)
AND PHARMACY COUNCIL OF INDIA (P.C.I.)

B.Pharm - BACHELOR OF PHARMACY

COURSE DURATION

This is a four years regular programme.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 40% marks in aggregate in PCM / PCB /
PCMB / PC & Computer Science / Electronics.

LATERAL ADMISSION

Pass in D. Pharm with 60% marks in aggregate are eligible
for direct second year B. Pharm admission.

M.Pharm - (Master of Pharmacy)

COURSE DURATION

This is a two years regular programme.

ELIGIBILITY FOR ADMISSION

Pass in B. Pharm with 55% marks.

Pharma. D

COURSE DURATION

This is a six years regular programme.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 in Physics, Chemistry, Maths/Biology
with 50% marks or D.Pharm.



KARAVALI COLLEGE OF PHARMACY

AIMS AND OBJECTIVES

Pharmacy graduates are required to learn and acquire adequate knowledge and skills to practice the profession of pharmacy including exhaustive knowledge of synthesis and assay of medicinal agents, mode of action, drug interactions, patient counselling and professional information exchange with physicians and other paramedics. The graduates are required to acquire an indepth knowledge of formulation, storage and analysis of various pharmaceutical dosage forms including herbal medicines required for both large scale commercial production and research.

The graduates are also required to detail the physicians, community and market the medical agents for diagnosis,

prevention and therapeutic purposes. The pharmacist should act as a bridge between physicians and patients and strive for better healthcare.

SCOPE AND PROSPECTS

The healthcare sector has witnessed rapid development in recent years. Hence the opportunities are immense for pharmacy graduates to join multinational drug companies, research units, large hospitals or even become self employed by starting a pharmacy outlet.



FASHION DESIGN

DIPLOMA IN FASHION DESIGN

B.Sc. - FASHION DESIGN

AFFILIATED TO MANGALORE UNIVERSITY

COURSE DURATION

This is a three years programme (6 semesters) + 2 months compulsory internship in a company approved by Mangalore University.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 (Arts, Commerce, Science) /P.U.C./Polytechnic Diploma/equivalent OR

- Three years polytechnic diploma in any branch conducted by Board of Technical Education & Examination of any state government.
- Two years JOC programme conducted by Board of Vocational Education of any state government.

LATERAL ADMISSION

Candidates who have passed the 3-year polytechnic diploma exam in the following branches conducted by a state government Board of Technical Education may be directly admitted to II year (III semester): Costume Design & Dress Making, Apparel Design & Fabrication Technology, Handloom Technology, Textile Technology, Fashion Design, Fashion Technology, Garment Design & Fashion Technology, Knitting Technology, Textile Mnfg. Technology, Textile Processing Technology, Garment Technology, Apparel Technology, Leather Technology.

(Offered by the College)

COURSE DURATION

This a two years full time programme comprising four semesters (6 months each).

ELIGIBILITY

10th Standard / Equivalent

SCOPE AND PROSPECTS

Fashion Designing is brought about to cater the needs of the demographic changes in the present fast moving society. A lot of research is made keeping in mind, the tastes of people and develop new innovative kind of costume design. This field has its demand in true sense and the employability is never ending. The professionals are consulted by media, merchandisers and coordinators of related industries like textile industries and film industry.



INTERIOR DESIGN & DECORATION

B.Sc. - INTERIOR DESIGN & DECORATION

AFFILIATED TO MANGALORE UNIVERSITY

COURSE DURATION

This is a three year regular programme comprising six semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 (Arts, Commerce, Science)/ P.U.C./Polytechnic Diploma/equivalent OR

- i) Three years polytechnic diploma in any branch conducted by Board of Technical Education & Examination of any state government.
- ii) Two years JOC programme conducted by Board of Vocational Education of any state government.

Foreign students having equivalent qualifications are also eligible for admission.

LATERAL ADMISSION

Admission of diploma holders to II Year (III Semester)

Candidates who have passed the three years polytechnic diploma exams conducted by any state government Board of Technical Education in the following branches shall be directly admitted to II year (III semester): Diploma in Civil Engineering, Diploma in Architecture, Diploma in Interior Design, Diploma in Civil Draughtmanship.

DIPLOMA IN INTERIOR DESIGN

(Offered by the College)

COURSE DURATION

This is a two years regular programme.

ELIGIBILITY

10th Standard / Equivalent

CURRICULUM

Same as B. Sc. Interior Design (I-IV semesters).

SCOPE AND PROSPECTS

Interior design courses are paving its way to international and national job markets as there is an acute deficit of designers. After finishing this course the candidates are readily consulted for their creative and indigenous style of decorating and furnishing the interior. The candidates can either take up employment offered frequently or can even take up projects independently. The level and quality of creativity blended with futuristic thinking ability is the key to be a successful and rewarding professional in this field.



B.Sc. - NURSING (Basic)

**AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
RECOGNISED BY INDIAN NURSING COUNCIL**

COURSE DURATION

Four years regular programme.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 with 45% marks in aggregate in Physics, Chemistry, Biology and English.

P.C B.Sc. - NURSING

COURSE DURATION

Two years regular programme.

ELIGIBILITY FOR ADMISSION

Candidate should be a registered nurse holding Diploma in General Nursing & Midwifery (GNM) along with pass in pre-university exam in Arts / Science / Commerce conducted by PU Board Karnataka State or its equivalent.

SCOPE AND PROSPECTS

Nursing is an important profession related to the field of medicine and has tremendous job prospects. The Nursing programme aims at preparing nursing professionals to take up the responsibility as a health team member in the health care delivery system. It prepares students to be competent professional nurses with scientific innovative ideas in solving health problems. The students are given exposure to the theoretical and practical aspects of behavioural science in the context of physical, biological, social and psychological management of patients. The students develop their innate abilities to accept the roles like clinical practitioner, community health team leader, teacher and administrator. Qualified Indian nurses especially enjoy high demand in foreign countries.



NURSING

M.Sc. - NURSING

**AFFILIATED TO RAJIV GANDHI UNIVERSITY OF HEALTH SCIENCES
RECOGNISED BY INDIAN NURSING COUNCIL**

COURSE DURATION

Two years regular programme.

ELIGIBILITY FOR ADMISSION

- i. Pass in B.Sc. Nursing (Basic) / Post Basic B.Sc. Nursing with 55% aggregate marks
- ii. Registered Nurse and Registered Midwife or equivalent with any State Nursing Registration Council
- iii. Minimum one year of work experience after Basic B.Sc. Nursing, prior or after Post Basic B.Sc. Nursing

BRANCHES

1. Medical Surgical Nursing
2. Child Health Nursing
3. Obstetrics and Gynaecological Nursing
4. Community Health Nursing
5. Psychiatric Nursing

AIMS

Post Graduate programme in Nursing is to prepare graduates to assume responsibilities as nurse specialists, consultants, educators and administrators in a wide variety of professional settings, and to prepare nurses to improve the quality and evidence based nursing care in the hospital settings, to demonstrate advance competence in practice of nursing.

SCOPE AND PROSPECTS

The course builds upon and extends competence acquired at the graduate level, emphasizes application of relevant theories into nursing practice, education, administration and development of research skills.

This program prepares nurses for leadership position in nursing and health fields who can function as nurse specialists, consultants, educators, administrators and researchers of professional settings in meeting the national priorities and the changing needs of the society. Further the programme encourages accountability and commitment to life long learning which fosters improvement of quality care.



EDUCATION

B.Ed. - BACHELOR OF EDUCATION

**AFFILIATED TO MANGALORE UNIVERSITY AND RECOGNISED BY
NATIONAL COUNCIL FOR TEACHER EDUCATION (N.C.T.E)**

COURSE DURATION

One year regular programme.

ELIGIBILITY

A candidate who has passed B.A./B.Sc. three year degree examination conducted by a University or equivalent shall be eligible for admission, provided—
He/she has secured at least 50% marks in all the subjects of the three years examinations excluding internal and class examination marks (45% for SC/ST/Physically handicapped candidates).

He/she has studied any one of the languages and two out of the three electives among the subjects below:

Languages: English, Kannada, Hindi, Urdu, Sanskrit

Electives: Physics, Chemistry, Botany, Microbiology, Zoology, Mathematics, History, Political Science, Sociology, Geography, Economics, English, Kannada, Hindi, Sanskrit, Urdu.

Candidates who have obtained the B.A./B.Sc. degree from universities outside the state of Karnataka shall have studied any ONE of the languages and at least TWO elective subjects listed above. Further they shall have studied one of those electives by appearing in the university examinations for at least two years and the principal subject for all the three years.

D.Ed. - DIPLOMA IN EDUCATION

**AFFILIATED TO K.S.S.E.E.B., RECOGNISED BY
NATIONAL COUNCIL FOR TEACHER EDUCATION (N.C.T.E.)**

COURSE DURATION

Two years full time programme.

ELIGIBILITY

10+2 with 50% marks in aggregate (45% for SC/ST).

SCOPE AND PROSPECTS

In a country where the teachers are considered next best to almighty god, the scope and future for the candidate is unimaginable. Teachers profession is a noble and extremely respected job. India is showing great zeal in educating its huge citizen base, supported both by private and government sectors. In such a populous country where education still has not reached till the tail end, the need and demand for the teachers are steaming hot. At the end of this course, the candidate can either accept the opportunity crawling its way or be self employed by tutoring or educating the students part time. With the proposed plans of the government to open up maximum number of schools it is easy for the candidate to choose his/ her profession within a blink of the eye as soon as the completion. The trained Indian teachers are in high demand round the globe especially in Middle East, U.K and Australia.



COMPUTER APPLICATIONS

B.C.A. - COMPUTER APPLICATIONS

AFFILIATED TO MANGALORE UNIVERSITY

COURSE DURATION

This is a three years regular programme comprising six semesters of six months duration each.

ELIGIBILITY FOR ADMISSION

Pass in 10+2 (Arts, Commerce, Science) / PUC/ Polytechnic Diploma/equivalent. Foreign students having equivalent qualifications are also eligible for admission.

SCOPE AND PROSPECTS

It is estimated that India will have a requirement of nearly 25 lakh Computer Applications professionals by the end of this decade and the trend will continue to grow further enormously in the coming decades all over the world.

Well engineered and reliable usage systems are very

crucial to the survival of present day organisations. Hence people who can build, implement and maintain these systems will be in constant demand globally. Graduates in Computer Applications can go on to establish careers in a variety of areas including U Support Systems, Software Development, Training Software Sciences, Web Design, Multi Media, Network Administration and thousands of related activities in the field of computers.

With India positioning itself as a knowledge economy, the field of IT has recieved a tremendous boost in recent years and software industry has become one of the most sought after employers paying not only excellent salary but also opportunities to work in foreign countries like USA and UK. IT industry is growing at a rapid rate and there is acute shortage of professionals.

The B.C.A. course gives comprehensive hands-on training and enables the students to be full fledged professionals and pursue a successful career in this field. Many students of our college are already employed in prestigious MNCs and leading companies in India and abroad.

