



SHARADA VIKAS TRUST®

Jayanagar - Bangalore - 560011

PROSPECTUS 2013 - 2014

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IT and Communication
Engineering and Technology
Management
Hospitality
Multimedia
General



KARNATAKA STATE OPEN UNIVERSITY

Muktagangotri - Mysore - 570006

KARNATAKA STATE OPEN UNIVERSITY

Muktagangorti, Mysore - 570 006

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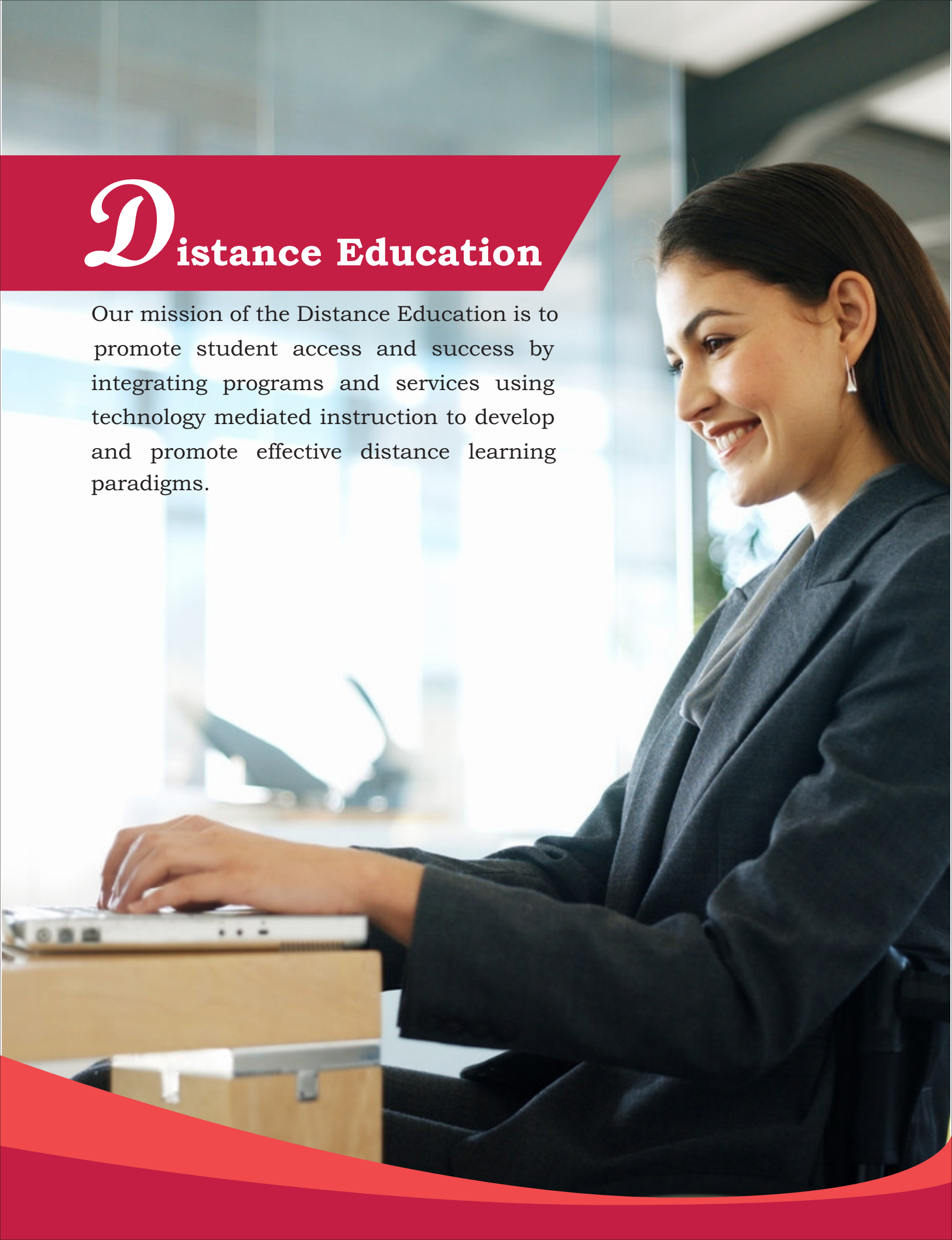
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*D*istance Education

Our mission of the Distance Education is to promote student access and success by integrating programs and services using technology mediated instruction to develop and promote effective distance learning paradigms.



KSOU

KARNATAKA STATE OPEN UNIVERSITY



Introduction

The Karnataka State Open University established on 1st June 1996 vide Karnataka Govt. Notification No. ED 1 UOV 95 dated 12th February 1996 -KSOU Act 1992 is considered to be a reputed Open University among the open learning institutions in the country. Keeping in view the educational needs of our country, in general, and state in particular, the policies and programmes have been geared to cater to the needy.

Karnataka State Open University is a recognized University of Distance Education Council (DEC), New Delhi, regular member of the Association of Indian Universities (AIU), Delhi, permanent member of Association of Commonwealth Universities (ACU), London, UK, Asian Association of Open Universities (AAOU), Beijing, China, and also has association with Commonwealth of Learning (COL), Vancouver, Canada.

KSOU: National and International Recognition

Karnataka State Open University (KSOU) was established with the assent of HE Governor of Karnataka as a full fledged University by the KSOU Act 1992. The Act was promulgated with the object of establishing an Open University at the State level, for the introduction and promotion of Open University and Distance Education system in the education pattern of the State and for the Co-ordination and determination of standards of such systems.

By virtue of KSOU Act of 1992, Karnataka State Open University is empowered to establish, maintain or recognize Colleges, Regional Centres and Study Centres in Karnataka and also outside Karnataka at such places as it deems fit.

Distance Education Council (DEC), New Delhi, has accorded recognition to Karnataka State Open University, Mysore for offering Programmes / Courses approved by the Statutory bodies of the University. Karnataka State Open University is a recognized University of Distance Education Council under the aegis of Ministry of Human Resource Development (MHRD) (Revised notification F. No. DEC/OU/Recog./2008).

Karnataka State Open University is a regular member of the Association of Indian Universities (AIU), New Delhi since 1999 (No. EV/11(80)/99/203935-4172).

Karnataka State Open University is a permanent member of Association of Commonwealth Universities (ACU), London, United Kingdom since 1999. Its member code is: ZKASOPENUINI.

Karnataka State Open University is a permanent member of Asian Association of Open Universities (AAOU), Beijing, China since 1999. Karnataka State Open University has association with Commonwealth of Learning (COL), Vancouver, Canada since 2003. COL is an intergovernmental organization created by Commonwealth Head of Governments to encourage the development and sharing of open learning / distance education knowledge, resources and technologies.

Special Features

The Open-Distance-Learning (ODL) system is a unique and challenging mode of education offered at the University level. This system provides ample opportunities for those who desire to continue their higher education at their own convenient time and place. This method is popularly known as Distance Education. It is perhaps the only way to meet the ever-increasing demand for Higher Education especially in a developing country like India. Distance Education programmes are specially designed for:

1. Candidates who discontinue their formal education owing to pecuniary or other circumstances.
2. Candidates residing in geographically remote areas.
3. Candidates who cannot get admission to regular colleges / Universities.

4. Employed persons who cannot pursue their study as full-time candidates.
5. Individuals who wish to pursue learning for knowledge sake.
6. Candidates who wish to update knowledge and skills.

The Open-Distance-Learning (ODL) system is perhaps the only system that is able to provide Higher Education to those who have social, economic, spatial and such other constraints. Also it caters to the increasing demand for Higher Education, offering flexibilities in terms of age, qualification, location, time, etc.



SHARADA VIKAS TRUST®



Vikas Group Comprising of Vikas Global Solutions Ltd., Vikas Microchip Technologies, Vikas Outsourcing solutions, SDN, BHD, Biogene, Maithreyi, Mayflower Mass media Pvt. Ltd. and Sharada Vikas Trust has cover 14 Years of educational experience. The Group has diversified presence in Information Technology, Telecom, Education, Media and Publishing, Biotechnology, Hospitality, Retail and Energy Sector.

About Sharada Vikas Trust®

SharadaVikas Trust® was formed to provide and establish high-end research and educational service in the areas of Medical, Engineering, Biotechnology and Management based institutions across India as well as abroad. The Trust is also involved in empowering of poor, orphans, and Physically handicapped and other people. Eminent people who are well qualified and have great concern about the well being of the Society run the Trust.

Sharada Vikas Trust® is a pioneer in Higher education. Currently the trust is running Pre University graduation & Post graduation colleges in regular mode. With over fifteen years of experience in IT industry and more than a decade of service in Education, and with highly skilled and experienced professionals and committed staff, Sharada Vikas Trust in aiming at giving good and quality education at every reasonable cost and strives to uplift the socio-economic standards of the society.

Vision

To be recognized as a successful Academic institution in the areas of Technology and Management for delivery of high quality knowledge Services. To offer advanced empowering technologies to students around the society.

Mission

Prepare the next generations of skilled and ethical professionals by providing excellent professional education that prepares one to complete in a diverse world market.

Goal

SharadaVikas Trust® has pioneered in high end education. Currently it is delivering high end graduation, post graduation, diploma and certification programs in Technical, Management, Hospitality, Humanities, Mass Communication and other general programs in partner with Govt. Universities. These programs are being delivered through its existing partner network across 250 locations in India and abroad and it is steadily growing. At present we are delivering the higher education across India and abroad through our own institutions and partner network situated at various locations.

With this background Sharada Vikas Trust® is partnered with Karnataka State Open university which is one of the prestigious Govt. Universities in India to impart IT, Management, Hospitality, Media, Education and General programs. These programs are offered in distance education mode both in offline and online.

We welcome you all to use this golden opportunity and be a part of one of the best world class education groups to achieve success in all your endeavors.



PHILOSOPHY OF DISTANCE EDUCATION

Distance education aims to deliver education to students who could not be physically present in a class rooms. The main advantage of distance education is that students have got the flexibility to learn the courses in a convenient way with the aid of internet, VSAT, weekend counseling sessions and specially designed course material. Students can also communicate through internet with teachers at their own time and can exchange the course content over the net.

The Continuing and Distance Education programs were created to enable full time working professionals and opportunity to earn a respectable qualification in chosen areas of study.

Distance education offers several benefits. The primary benefit of it being, that students who might not be able to take up full time courses due to time or financial constraints may easily take to distance education. Since the arrival of the internet, it has become extremely easy to take up distance education courses through the internet. Presently geographical boundaries have no meaning for wherever one may be sitting in the world; he/she can remain connected through the internet. If one has access to the internet then he/she can take up one of several distance education courses.

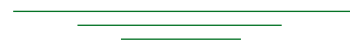
Distance education is often termed as flexible learning as one can handle other commitments along with their studies. In Distance education an individual studies without attending the regular college. There is an advantage as an individual can study from home or remote area.

The use of television, radio, and internet has further encouraged distance education. The consistent usage of both computers as well as internet has made distance learning fast and easy.

Distance education is also beneficial for the students over 21 years of age who mostly work full time during the classroom hours. These students require flexible learning schedule. They demand sufficient development opportunities to help them keep updated with today's ever-changing knowledge base.

Youngsters in India most often in semi urban/rural areas are denied higher education due to their pre occupation for making both ends meet and hence find distance education a boon. Distance education is particularly beneficial for physically handicapped who will not be able to take up regular education. Distance education is suited for all class of people, young and old, poor and rich and can be had anywhere at any time.

At the present juncture new opportunities like BPO, finance, banking, health care support services, call centers attract a lot of youngsters. People employed in these professions can pursue their higher studies and aim to fulfill their craving for higher education, thus earning while they are learning. It is at this juncture distance education will be of great help, especially qualifying for higher education in Technology, Management, Hospitality and other allied programs.



IT PROGRAMS

M.Tech./M.Sc./MCA/IMCA/BCA/B.Tech/Diploma/Certificate Courses

Program	Eligibility	Duration (Years)	Sems.	Lateral Entry to Semester
1. M.Tech-IT *	10+2+BE/ B.Tech /AMIE in respective domain	2	4	
2. M.Tech-CE				
3. M.Tech-EL				
4. M.Tech-ME				
5. M.Tech- EE	* Candidates with MCA/MSC (CS)/M.SC(IT)/MIT /MCM or its equivalent from recognised University are eligible for admission in M.Tech (IT) programme.			
M.Sc-IT	10+2 BE/B.Sc(IT/IS/CS	2	4	-
MCA	10+2+B.Sc (CS/IT) or any Graduate	3	6	-
	Candidate with BCA/B.Sc. (CS/IT)	2	4	3rd Semester
	M.Sc. (CS/IT)	1	2	5th Semester
IMCA	10+2 Any Stream	5	10	-
	Diploma from recognized State Technical Board	4	8	3rd Semester
BCA	10+2 Any Stream	3	6	-
	Diploma in CS/IT from recognized State Technical Board	2	4	3rd Semester
B.Sc. (IT)	10+2 Any Stream	3	6	-
	Diploma in CS/IT from recognized State Technical Board	2	4	3rd Semester
1. B.Tech (CE) 2. B.Tech (EC) 3. B.Tech (ME) 4. B.Tech (EE) 5. B.Tech (CS)	10+2 with Mathematics	4	8	-
	Diploma from recognized State Technical Board	3	6	3rd Semester
1. DME 2. DEE 3. DEC 4. DCE 5. DCS	10th or 10+2 or any equivalent qualification	3	6	-
	12th Passed with Physics. Chemistry Math's & English or 12th Technical or 10th passed with NCVT/MCVC/ITI certification (ITI Should be 2 years)	2	4	3rd Semester

GENERAL PROGRAMS

MA/M.Com/MSW/MTHM/BA/BSW/B.Com/BHCM

Program	Eligibility	Duration (Years)	Sems.
MA: 1. English 2. Economics 3. History 4. Political Science 5. Women's Studies	10+2+3	2	-
	Regulation- I Candidates who have not studied the cognate subject in the (three years) bachelor's degree programmes are eligible to seek admission to any Post Graduate degree programme and must pass the MPP examination conducted by the University.	2	-
M.Com	Regulation- II B.Com/BBA/BBM Candidates who have not studied the cognate subject in the (three years) bachelor's degree programmes are eligible to seek admission and must pass the MPP examination conducted by the University.	2	-
MSW	10+2+ BSW/any Graduate	2	4
MTHM	10+2+3 / BHCM	2	4
LLM	LLB Graduates	2	4
M.Sc Mathematics	10+2+Graduation Maths / BSG with Maths	2	4
M.Sc Physics	10+2+Graduation Physics / BSG with Physics	2	4
MLIS	B.Lib	1	-
BA/B.Com	A. 10+2	3	-
	B. Those who have completed 18 years of Age are eligible to apply for B.Com Degree Programme and must pass BPP examination conducted by the University. C. Candidates who have passed the 3 Years Diploma in Commercial or Secretarial practice under department of technical education are eligible for 2nd Year Directly. However they have to pass language papers and indian constitution, Human rights and environmental studies of 1st Year of B.Com.		
BSW	10+2 / or its equivalent	3	6
B.Sc (PCM)	10+2 Science Group	3	6
BHCM	10+2 / or its equivalent	3	6

MANAGEMENT PROGRAMS

MBA/EMBA/BBA/BBM

Program	Eligibility	Duration (Years)	Sems.	Lateral Entry to Semester	
1. MBA- IS Management	10+2+3 or any technical degree of a recognized university	2	4	-	
MBA Dual Specilization					
1. HR Management					
2. Finance Management					
3. Marketing Management					
4. Banking Management					
5. Retail Management					
6. Hospitality Management					
7. Project Management					
Executive MBA					
1. EMBA - HR Management	Any Graduate Working in a responsible position with three years of managerial Experience	1	2	-	
2. EMBA -Finance Management					
3. EMBA - Marketing Management					
4. EMBA -Retail Management					
5. EMBA -Project Management	Diploma holders (10+3) of recognized University with 5 years post qualifcation work experience as manager/ supervisor.				
6. EMBA -Insurance & Banking					
6. EMBA -IT Management					Post graduate teachers with minimum 4 years research and teaching experience Lawyers with 3 years of practice at the bar/or worked at any Attorney’s office/Law forms/Legal adviser at any corporate organization.
	Ref: No.KSOU. Dean(AC) /2852/07/2010-11 Dated 24/12/2010.				
Graduate Programs					
1. BBA	10+2	3	6	-	
2. BBM (All Streams)					

Note - Lateral Entry will be as per the norms of the University.



INFORMATION TECHNOLOGY PROGRAMS

Introduction:

Information Technology has become an integral part of modern contemporary society. Information Technology has been extended to all the new areas, making its way from mathematical computation and data processing via office automation to electronic sectors. Information Technology is becoming so prominent that it is changing every aspect of human life in Trade, Commerce, Communication, Manufacturing, Service sector, Entertainment, Global Security and Education.

Computer/information science is at the intellectual forefront of the digital revolution that will define the 21st century. That revolution is in its infancy but is visible all around us. New scientific, economic and social paradigms are arising from computing science and being felt across all sectors of the economy and society at large. Computers and computer science are an increasingly important part of all academic disciplines, from English to Engineering and Everything in between.

The jobs of tomorrow will use technologies not yet invented. Such innovation requires dedication to learning, in the classroom, in the research laboratory, and through out one's professional career.

Scientific discovery and technological innovation require mastery of the fundamentals of computing science as well as mastery of practical technical skills.

Computer Science changes the world. Computer Science touches and transforms every aspect of our lives. Traditional industries and sciences rely more and more upon computer science, driving the rapid innovations we see in Medicine, Technology, Communications, Physical Sciences, Commerce, and Human Relationships.

Computer Science a Philosophy:

Computer science has two faces: Technological and philosophical. The practical focus is on solving problems with the aid of computer. The philosophical focus which is required to support the practice is on the study of language and its use in making precise and understandable descriptions of anything.

A computing professional must be able to analyze a situation in an application domain in biology and medicine, business, engineering, law and public policy, science, sociology and allied fields.

Techniques studied in the computer science curriculum include algorithms and data structures, programming languages, computer architecture, numerical and symbolic computation, computer graphics, operating systems, software engineering, systems analysis, database and information retrieval systems, artificial intelligence and robotics, and human-computer interfaces.

M.TECH - INFORMATION TECHNOLOGY**SEMESTER I**

Sub. Code	Subjects	Credits
MTIT11	Interactive Computer Graphics	4
MTIT12	Advanced Computer Architecture	4
MTIT13	Algorithm Analysis and Design	4
MTIT14	Advanced DBMS	4
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MTIT21	OO Software Engg. with UML	4
MTIT22	AI and Neural Networks	4
Elective Paper I (Choose any one of the following)		
MTIT23A	Automata	4
MTIT23B	Embedded System	4
MTIT23C	E-Commerce, Commerce and Network Security	4
MTIT23D	Management Systems	4
Elective Paper II (Choose any one of the following)		
MTIT24A	Parallel Computing	4
MTIT24B	VLSI Design	4
MTIT24C	Network Programming	4
MTIT24D	Document Analysis and Pattern Recognition	4
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
Elective Paper III (Choose any one of the following)		
MTIT31A	Logic and Functional Programming	4
MTIT31B	Simulation & Modelling	4
MTIT31C	Wireless & Mobile Networks	4
MTIT31D	Intelligent Databases	4
Elective Paper IV (Choose any one of the following)		
MTIT32A	Natural Language Processing	4
MTIT32B	Compiler Design	4
MTIT32C	ERP & CRM	4
MTIT32D	Biometrics	4
MTIT33	Dissertation - Part I	8
Total Credits		20

SEMESTER IV

Sub. Code	Subjects	Credits
MTIT41	Dissertation - Part II	16
Total Credits		16

M.TECH - CIVIL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
MTECHCE11	Numerical Methods in Civil Engineering	4
MTECHCE12	Applied Elasticity & Plasticity	4
MTECHCE13	Behaviour & Design of Reinforced Concrete Structure	3
MTECHCE14	Pavement Material	3
MTECHCE15	Lab - Behaviour & Design of Reinforced Concrete Structure	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHCE21	Advanced Structural Analysis	4
MTECHCE22	Geotechnical Engineering	4
MTECHCE23	Finite Element Method in Engg.	3
MTECHCE24	Highway Engineering	3
MTECHCE25	Lab - Advanced Structural Analysis	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
MTECHCE31	Prestressed Concrete	4
MTECHCE32	High Rise Structures	4
MTECHCE33	Planning & Design of Airports	3
MTECHCE34	Transportation System Planning	3
MTECHCE35	Lab - Prestressed Concrete	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
Highway & Transportation Engg.		
MTECHCE41A	Highway Engineering Economics	4
MTECHCE42A	Highway Engineering & Design	4
MTECHCE43A	Highway Maintenance and Management System	4
MTECHCE44A	Project	8
Total Credits		20
Hydrology & Water Resource Engineering		
MTECHCE41B	Irrigation and Water Resources Engineering	4
MTECHCE42B	Waste Water Engineering	4
MTECHCE43B	Hydrology	4
MTECHCE44B	Project	8
Total Credits		20
Structural Engineering		
MTECHCE41C	Design of Industrial Structures & Bridges	4
MTECHCE42C	Design of Hydraulic Structures	4
MTECHCE43C	Plastic Analysis of Metallic Structures	4
MTECHCE44C	Project	8
Total Credits		20

M.TECH- ELECTRONICS & COMMUNICATION

SEMESTER I

Sub. Code	Subjects	Credits
MTECHEC11	Semiconductor Devices and Modelling	4
MTECHEC12	VLSI Technology and Process Modeling	4
MTECHEC13	Modern Digital Communication Technology	3
MTECHEC14	Digital Voice and Picture Communication	3
MTECHEC15	Lab - Semiconductor Devices and Modelling	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHEC21	Solid State Circuits	4
MTECHEC22	Digital Circuits & Systems	4
MTECHEC23	Optimal Control	3
MTECHEC24	Satellite Communication System	3
MTECHEC25	Lab - Digital Circuits & Systems	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
MTECHEC31	Digital Signal Processing	4
MTECHEC32	Digital Image Processing	4
MTECHEC33	Optical Communication Systems	3
MTECHEC34	Telecommunication Switching and Network	3
MTECHEC35	Lab - Telecomm. Switching and Network	2
Total Credits		16

SEMESTER IV

Specialization

Sub. Code	Subjects	Credits
Communication System		
MTECHEC41A	Communication System	4
MTECHEC42A	Radar System	4
MTECHEC43A	Wireless Communication	4
MTECHEC44A	Project	8
Total Credits		20
Microwave & Optical Communication		
MTECHEC41B	Microwave	4
MTECHEC42B	Optical Electronics and Fiber Optics Communications	4
MTECHEC43B	Communication System	4
MTECHEC44B	Project	8
Total Credits		20
VLSI Design and Embedded System		
MTECHEC41C	Embedded Systems Design	4
MTECHEC42C	Digital VLSI Design	4
MTECHEC43C	Verilog Hardware Description Language	4
MTECHEC44C	Project	8
Total Credits		20

M.TECH- MECHANICAL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
MTECHME11	Machine Vibration Analysis	4
MTECHME12	Advanced Mechanics of Solids	4
MTECHME13	Concurrent Engineering	3
MTECHME14	Management of Technology	3
MTECHME15	Lab - Machine Vibration Analysis	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHME21	Applied Elasticity	4
MTECHME22	Finite Elements Methods in Engineering	4
MTECHME23	Mechanical Estimating & Costing	3
MTECHME24	Materials Mgmt. & Materials Handling	3
MTECHME25	Lab - Mechanical Estimating & Costing	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
MTECHME31	Jig and Fixtures Design	4
MTECHME32	Mechatronics	4
MTECHME33	Industrial Automation	3
MTECHME34	Quality Control and Reliability Engineering	3
MTECHME35	Lab - Jig and Fixtures Design	2
Total Credits		16

SEMESTER IV**Specialization**

Sub. Code	Subjects	Credits
Mechanical Design		
MTECHME41A	Thermal System Design	4
MTECHME42A	Design of Machinery	4
MTECHME43A	Mechanical Engineering Design	4
MTECHME44A	Project	8
Total Credits		20
Production Technology		
MTECHME41B	Metal Forming Technology	4
MTECHME42B	Machine Tool Design	4
MTECHME43B	CAD/CAM	4
MTECHME44B	Project	8
Total Credits		20
Thermal Engineering		
MTECHME41C	Advanced Thermodynamics	4
MTECHME42C	Refrigeration and Air conditioning Technology	4
MTECHME43C	Steam and Gas Turbines	4
MTECHME44C	Project	8
Total Credits		20

M.TECH - ELECTRICAL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
MTECHEE11	Machine Drives	4
MTECHEE12	Power Electronic Converter	4
MTECHEE13	Control System	3
MTECHEE14	EHV Transmission	3
MTECHEE15	Lab - Machine Drives	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHEE21	Electrical Engg. & Practices	4
MTECHEE22	Power Electronics	4
MTECHEE23	Electrical Design, Estimating & Costing	3
MTECHEE24	Computer Aided Analysis of E.P.S.	3
MTECHEE25	Lab - Power Electronics	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
MTECHEE31	Machine Analysis	4
MTECHEE32	Optimal Control	4
MTECHEE33	Advanced Control Theory	3
MTECHEE34	Power System Protection	3
MTECHEE35	Lab - Optimal Control	2
Total Credits		16

SEMESTER IV

Specialization

Sub. Code	Subjects	Credits
Control & Instrumentation		
MTECHEE41A	Industrial Instrumentation and Control	4
MTECHEE42A	Digital Control and State Variable Methods	4
MTECHEE43A	Electronic Instruments and System	4
MTECHEE44A	Project	8
Total Credits		20
Power System Control		
MTECHEE41B	Electrical Power System Design	4
MTECHEE42B	Power System Analysis and Dynamics	4
MTECHEE43B	Power System Reliability	4
MTECHEE44B	Project	8
Total Credits		20

M.SC.-INFORMATION TECHNOLOGY

SEMESTER I

Sub. Code	Subjects	Credits
MS11	Computer Programming	5
MS12	Algorithm Analysis and Design	4
MS13	Discrete Mathematics	3
MS14	Advanced RDBMS	3
MS-L1	Advanced RDBMS (Lab) AND Computer Programming (Lab) and Algorithm Analysis and Design (Lab)	3
Total Credits		18

SEMESTER II

Sub. Code	Subjects	Credits
MS21	Software Quality and Testing	4
MS22	Advanced Communication Networks	3
MS23	OOAD and UML	3
MS24	Advanced JAVA	4
MS25	Software Architecture	2
MS-L2	Advanced JAVA (Lab) and OOAD and UML (Lab)	2
Total Credits		18

SEMESTER III

Sub. Code	Subjects	Credits
MS31	Project Management and Planning	3
MS32	Client Server Computing	3
MS33	Real Time System	2
MS34	Project Synopsis	4
Electives Stream 1: E-Commerce		
MS3E11	E-Commerce	3
MS3E12	Data Warehousing / Data Mining	3
Electives Stream 2: Systems and Networking		
MS3E21	Internet Programming	3
MS3E22	Mobile Computing	3
Electives Stream 3: Multimedia and Cognition		
MS3E31	Pattern Recognition	3
MS3E32	Multimedia Computing	3
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
MS41	.NET Technology	4
MS42	Component Technologies	3
MS43	VLSI	2
MS44	Project	6
Electives Stream 1: E-Commerce		
MS4E13	Cyber Laws	2
MS4E14	Application Servers	2
Electives Stream 2: Systems and Networking		
MS4E23	Voice and Video over IP	2
MS4E24	Embedded Systems	2
Electives Stream 3: Multimedia and Cognition		
MS4E33	Artificial Intelligence	2
MS4E34	Image Processing	2
Total Credits		19

MASTER OF COMPUTER APPLICATIONS

SEMESTER I

Sub. Code	Subjects	Credits
MCA11	Mathematics	4
MCA12	Data Structure	4
MCA13	Programming in C	4
MCA14	Financial Accounting	4
MCA15-L	Lab - C Programming & Windows Based Application	1
MCA16-L	Lab - Data Structure	1
Total Credits		18

SEMESTER II

Sub. Code	Subjects	Credits
MCA 21	Discrete Mathematics	4
MCA 22	DBMS	4
MCA 23	OOPS with C++	4
MCA 24	Computer Organization & Architecture	4
MCA 25-L	Lab - DBMS	1
MCA 26-L	Lab - OOPS (C++)	1
Total Credits		18

SEMESTER III

Sub. Code	Subjects	Credits
MCA 31	Data Communication	4
MCA 32	Advanced Computer Graphics	4
MCA 33	Advanced Operating Systems	4
MCA 34	Unix and Shell Programming	4
MCA 35-L	Lab - Unix	1
MCA 36-L	Lab - Operating Systems	1
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
MCA41	Advanced Software Engineering	4
MCA42	Analysis & Design of Algorithm	4
MCA43	Advanced Java Programming	4
MCA44	System Programming	4
MCA45-L	Lab - RDBMS	1
MCA46-L	Lab - Advanced Java Programming	1
Total Credits		18

SEMESTER V

Sub. Code	Subjects	Credits
MCA51	Advanced Computer Network & Security	4
MCA52	Internet Programming & Web Designing	4
MCA53	Data Warehousing & Data Mining	4
MCA54 MCA54A MCA54B MCA54C	Elective-I (Any one) 1) Compiler Design 2) Mobile Computing & Communication 3) Simulation & Modelling	4
MCA 55	Lab - Graphics	1
MCA 56	Lab - Web Designing/Internet	1
Total Credits		18

Students after completing the first two semesters of MCA programme are eligible to qualify for the PGDCA. (assuming by discontinue they MCA Programme after two semesters.)

SEMESTER VI

Sub. Code	Subjects	Credits
MCA 61	Advanced MIS & E-Commerce	4
MCA 62	OOAD	4
MCA 63	Elective -II (Any one) 1) Pattern Recognition 2) Operations Research 3) Advanced Computer Architecture	4
MCA 63A		
MCA 63B		
MCA 63C		
MCA 64	Elective -III (Any one) 1) Client Server Architecture 2) Artificial Intelligence 3) Network Management	4
MCA 64A		
MCA 64B		
MCA 64C		
MCA 65	Project	6
Total Credits		22

INTEGRATED MASTER COMPUTER APPLICATIONS *

SEMESTER I

Sub. Code	Subjects	Credits
IMCA11	Computer Fundamentals & Windows Based Application	4
IMCA13	Programming in C	4
IMCA14	Data Structure	4
IMCA15	Lab - C Programming	2
IMCA16	Lab - Windows Based Application	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
IMCA21	Mathematics	2
IMCA22	Computer Organization & Architecture	4
IMCA23	DBMS	4
IMCA24	OOPS with C++	4
IMCA25	Lab - C++	2
IMCA26	Lab - Data Structure Using C++	2
Total Credits		20

SEMESTER III

Sub. Code	Subjects	Credits
IMCA31	Data Communication	4
IMCA32	Operating Systems	4
IMCA33	Computer Graphics	4
IMCA34	Client Server Architecture	4
IMCA35	Lab - Graphics	2
IMCA36	Lab - DBMS	2
Total Credits		22

SEMESTER IV

Sub. Code	Subjects	Credits
IMCA41	Software Engineering	4
IMCA42	Java Programming	4
IMCA43	RDBMS	4
IMCA44	Unix & Shell Programming	4
IMCA45	Lab - Java	2
IMCA46	Lab - Unix	2
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
IMCA51	Analysis & design of Algorithms	4
IMCA52	Internet Programming	4
IMCA53	System simulation	4
IMCA54	Advance Unix Programming	4
IMCA55	Lab - System simulation	2
IMCA56	Lab - Operating system	2
Total Credits		20

SEMESTER VI

Sub. Code	Subjects	Credits
IMCA61	Discrete Mathematics	4
IMCA62	OOAD	4
IMCA63	.Net Programming	4
IMCA64	Artificial Intelligence	4
IMCA65	Lab - .Net Programming	2
IMCA66	Lab - RDBMS	2
Total Credits		20

Students after completing the first six semesters of IMCA programme are eligible to qualify for the BCA degree. (provided by discontinue they IMCA programme after six semesters).

SEMESTER VII

Sub. Code	Subjects	Credits
IMCA71	MIS & ERP	4
IMCA72	Advanced Computer Graphics	4
IMCA73	System Simulation & Modeling	4
IMCA74	Advanced Unix Programming	4
IMCA75	Lab - System Simulation & Modeling	2
IMCA76	Lab - Operating Systems	2
Total Credits		20

SEMESTER VIII

Sub. Code	Subjects	Credits
IMCA81	Advanced Software Engineering	4
IMCA82	Operation research	4
IMCA83	Advanced Java Programming	4
IMCA84	Network Management	4
IMCA85	Lab - ADA	2
IMCA86	Lab - Advanced Java Programming	2
Total Credits		20

SEMESTER IX

Sub. Code	Subjects	Credits
IMCA91	Computer Network & Security	4
IMCA92	Compiler Design	4
IMCA93	Data Warehousing & Mining	4
IMCA94	Mobile Computing	4
IMCA95	Lab - Computer Network	2
IMCA96	Lab - Mini project	2
Total Credits		20

SEMESTER X

Sub. Code	Subjects	Credits
IMCA101	Advanced MIS & E-Commerce	4
IMCA102	Advanced Computer Architecture	4
IMCA104	Project Work	10
Total Credits		18

* Admissions are suspended for IMCA IN July 2013 Cycle



The following four subjects are mandatory for all the undergraduate students such as B.TECH, BCA, BBA, BBM, BHCM, IMCA, BSC(PCM) BSCIT, BSW, BA, B.COM. The students can write the examination in the First two semesters of their undergraduate program @ two subjects per semester. Students who have entered the third semester program by way of Lateral Entry may have to complete the four courses in two semesters, that is, two in third semesters and two in fourth semester. Any how the students should successfully complete four courses before completing their undergraduate degree. The successful completion of the four mandatory courses would alone make them eligible for the degree. The marks/grades obtained in the four courses would not be taken into account for the purpose of determination of the Class status of the student.

Sub. Code	Subjects	Credits
BDENG	Communication Skills in English/ English - I	4
BDICE	Indian Constitution & Ethics	4
BDFOC	Fundamentals of Computers	4
BDELV	Environmental Studies	4
Total Credits		16

BACHELOR OF COMPUTER APPLICATIONS SEMESTER I

Sub. Code	Subjects	Credits
BCA13	Programming in C-Introduction	2
BCA14	Data Structure	2
BCA15	Lab - C Programming	2
BCA16	Lab - Windows Based Application	2
Total Credits		8

SEMESTER II

Sub. Code	Subjects	Credits
BCA21	Mathematics	4
BCA22	Computer Organization & Architecture	2
BCA23	DBMS	4
BCA24	OOPS with C++	2
BCA25	Lab - C++	2
BCA26	Lab - Data Structure	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
BCA31	Data Communication	3
BCA32	Operating Systems	2
BCA33	Computer Graphics	2
BCA34	Client Server Architecture	3
BCA35	Lab - Graphics	2
BCA36	Lab - DBMS	2
Total Credits		14

SEMESTER IV

Sub. Code	Subjects	Credits
BCA41	Software Engineering	4
BCA42	Java Programming	2
BCA43	RDBMS	2
BCA44	Unix & Shell Programming	4
BCA45	Lab - Java	2
BCA46	Lab - Unix	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
BCA51	Algorithm & Analysis	4
BCA52	Internet Programming	2
BCA53	Application Programming	4
BCA54	System Programming	2
BCA55	Lab - Web Designing/Internet	2
BCA56	Lab - Application Programming	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
BCA61	MIS & Enterprise Resource Planning (ERP)	4
BCA62	Computer Network & Security	2
BCA63	Lab - ADA	2
BCA64	Lab - System Programming	4
BCA65	Project : System Side or Application Side	6
Total Credits		18

B.SC-IT

SEMESTER I

Sub. Code	Subjects	Credits
BS11	Fundamentals of Computers	4
BS12	Operating Systems	4
BS13	Introduction to Digital Electronics	2
BS14	Database Management System (DBMS)	2
BS15	Basics of Internet and HTML	2
BS-L1	Lab - Database Management System (Lab) and Basics of Internet and HTML(Lab)	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
BS21	Introduction to Programming – C Language	4
BS22	Computer Architecture	2
BS23	RDBMS	4
BS24	Digital Computer Fundamentals	2
BS25	Business Communication	2
BS-L2	C Programming Lab and RDBMS Lab	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
BS31	Computer Graphics	3
BS32	Web programming & Java Script	2
BS33	Data Communication	2
BS34	Object Oriented Programming (OOP) with C++	3
BS35	Mathematics - I	2
BS-L3	Lab - Web Programming & java Script Lab and Object Oriented Programming with C++	2
Total Credits		14

SEMESTER IV

Sub. Code	Subjects	Credits
BS41	Visual Programming	4
BS42	Computer Networks	2
BS43	Data Structures using C++	2
BS44	Java programming	4
BS45	Mathematics – II	2
BS-L4	Data Structures Using C++ Lab and Java Programming	2
Total Credits		14

SEMESTER V

Sub. Code	Subjects	Credits
BS51	Software Engineering	4
BS52	Design Analysis and Algorithm	2
BS53	Advance Java Programming	4
BS54	Network Programming	2
BS55	Mathematics – III	2
BS-L5	Algorithms Lab and Advanced Java Programming Lab	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
BS61	Unix Systems Programming	4
BS62	ASP.NET Programming using C#	2
BS63	VB.NET and XML	2
BS64	Software Quality & Testing	4
BS-L6	Unix Systems Programming Lab and ASP.NET Programming using C# Lab and VB.NET and XML Lab	2
BS65	Project	6
Total Credits		20

B.TECH ELECTRONICS & COMMUNICATION**SEMESTER I**

Sub. Code	Subjects	Credits
BTECEC11	Mathematics I	2
BTECEC12	Chemistry	2
BTECEC14	Electrical Technology	2
BTECEC15	Mechanics	2
BTECEC16	Introduction to Manufacturing Process	2
BTECEC18	Lab - Chemistry	1
BTECEC19	Lab - Electrical Technology	1
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BTECEC21	Mathematics - II	2
BTECEC22	Applied Physics	2
BTECEC23	Programming and Data Structure	2
BTECEC24	Basic Electronics	2
BTECEC25	Engineering Drawing and Graphics	2
BTECEC27	Communicative English - 2	2
BTECEC28	Lab - Applied Physics	1
BTECEC29	Lab - Basic Electronics	1
Total Credits		14

SEMESTER III

Sub. Code	Subjects	Credits
BTECEC31	Mathematics III	4
BTECEC32	Principles of Programming	4
BTECEC33	Signals & Networks	2
BTECEC34	Digital Electronics	2
BTECEC35	Electrical Machines	4
BTECEC36	Lab - Signals & Network	1
BTECEC37	Lab - Digital Electronics	1
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
BTECEC41	Society, Environment & Engineering	4
BTECEC42	Electronic Devices & Circuit	4
BTECEC43	Analog Electronics Circuits	2
BTECEC44	Electromagnetic Engineering	4
BTECEC45	Electrical Measurement	4
BTECEC46	Lab - Analog Electronics Circuits	1
BTECEC47	Lab - Electrical Measurement	1
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BTECEC51	Computer Organization	4
BTECEC52	Control System	4
BTECEC53	Digital Communication	3
BTECEC54	Semiconductor Devices	2
BTECEC55	Digital Image Processing	3
BTECEC56	Lab - Control System	2
BTECEC57	Lab - Semiconductor Devices	2
Total Credits		20

SEMESTER VI

Sub. Code	Subjects	Credits
BTECEC61	Power Electronics & Devices	3
BTECEC62	Digital Signal Processing	3
BTECEC63	Micro Processor	2
BTECEC64	Telecommunication Switching & Signal	3
BTECEC65	Industrial Economics & Management	3
BTECEC66	Lab - Power Electronics & Devices	2
BTECEC67	Lab - Digital Signal Processing	2
Total Credits		18

SEMESTER VII

Sub. Code	Subjects	Credits
BTECEC71	Mobile Communication System	4
BTECEC72	RF & Microwave Engineering	3
BTECEC73	Micro Electronics	2
BTECEC74	Computer Communication Network	2
BTECEC75	Elective - 1 (Any one)	
BTECEC75A	Opto Electronics & Photonics	3
BTECEC75B	Digital Voice Picture Communication	3
BTECEC75C	Radar System	3
BTECEC75D	Optic Fiber Communications	3
BTECEC76	Lab - RF & Microwave	2
BTECEC77	Lab - Computer Communication Network	2
Total Credits		18

SEMESTER VIII

Sub. Code	Subjects	Credits
BTECEC81	VLSI – Technology & Process Modeling	3
BTECEC82	Satellite Communication System	3
BTECEC83	Semiconductor Devices and Modeling	3
BTECEC84	Project	8
BTECEC85	Lab - VLSI – Technology & Process Modeling	3
Total Credits		20

B.TECH MECHANICAL ENGINEERING
SEMESTER I

Sub. Code	Subjects	Credits
BTECME11	Mathematics I	2
BTECME12	Chemistry	2
BTECME14	Electrical Technology	2
BTECME15	Mechanics	2
BTECME16	Introduction to Manufacturing Process	2
BTECME18	Lab - Chemistry	1
BTECME19	Lab - Electrical Technology	1
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BTECME21	Mathematics - II	2
BTECME22	Applied Physics	2
BTECME23	Programming and Data Structure	2
BTECME24	Basic Electronics	2
BTECME25	Engineering Drawing and Graphics	2
BTECME27	Communicative English - 2	2
BTECME28	Lab - Applied Physics	1
BTECME29	Lab - Basic Electronics	1
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
BTECME31	Mathematics III	4
BTECME32	Thermodynamics	4
BTECME33	Fluid Mechanics	2
BTECME34	Workshop Processes	2
BTECME35	Electrical Machines	2
BTECME36	Lab - Fluid Mechanics	2
BTECME37	Lab - Electrical Machines	2
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
BTECME41	Society, Environment & Engineering	4
BTECME42	Dynamics	4
BTECME43	Solid Mechanics	2
BTECME44	Heat Transfer – I	4
BTECME45	Theory of Machine	4
BTECME46	Lab - Dynamics	1
BTECME47	Lab - Solid Mechanics	1
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BTECME51	Metal Cutting and Tool Design	4
BTECME52	Control Systems	4
BTECME53	Computer Graphics	3
BTECME54	CNC Programming	2
BTECME55	Operation Research	3
BTECME56	Lab - Metal Cutting and Tool Design	1
BTECME57	Lab - CNC Programming	1
Total Credits		18

SEMESTER VI

Sub. Code	Subjects	Credits
BTECME61	Strength of Materials	3
BTECME62	Industrial Engineering & Production Management	3
BTECME63	Design of Machine Elements	3
BTECME64	Hydraulic Machines	3
BTECME65	Industrial Economics & Management	2
BTECME66	Lab - Industrial Engg. & Production Mgt.	1
BTECME67	Lab - Hydraulic Machines	1
Total Credits		16

SEMESTER VII

Sub. Code	Subjects	Credits
BTECME71	CAD/CAM (Application) & Automation	4
BTECME72	Metrology & Quality Control	3
BTECME73	I.C. Engines & Automobile Engineering	2
BTECME74	Finite Element Methods in Engineering	2
BTECME75	Elective - I (Any one)	
BTECME75A	Mechatronics	3
BTECME75B	Concurrent Engineering	3
BTECME75C	Management of Technology	3
BTECME75D	Machine Vibration Analysis	3
BTECME76	Lab - CAD/CAM (Application) & Automation	2
BTECME77	Lab - Metrology & Quality Control	2
Total Credits		18

SEMESTER VIII

Sub. Code	Subjects	Credits
BTECME81	Refrigeration & Air Conditioning	4
BTECME82	Machine Tool Design	3
BTECME83	Jig & Fixture Design	3
BTECME84	Project	8
Total Credits		18

B.TECH ELECTRICAL ENGINEERING

SEMESTER I

Sub. Code	Subjects	Credits
BTECEE11	Mathematics I	2
BTECEE12	Chemistry	2
BTECEE14	Electrical Technology	2
BTECEE15	Mechanics	2
BTECEE16	Introduction to Manufacturing Process	2
BTECEE18	Lab - Chemistry	1
BTECEE19	Lab - Electrical Technology	1
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BTECEE21	Mathematics - II	2
BTECEE22	Applied Physics	2
BTECEE23	Programming and Data Structure	2
BTECEE24	Basic Electronics	2
BTECEE25	Engineering Drawing and Graphics	2
BTECEE27	Communicative English - 2	2
BTECEE28	Lab - Applied Physics	1
BTECEE29	Lab - Basic Electronics	1
Total Credits		14

SEMESTER III

Sub. Code	Subjects	Credits
BTECEE31	Mathematics III	4
BTECEE32	Thermodynamics	4
BTECEE33	Signals & Networks	2
BTECEE34	Digital Electronics	2
BTECEE35	Electrical Machines	4
BTECEE36	Lab - Signals & Networks	1
BTECEE37	Lab - Digital Electronics	1
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
BTECEE41	Society, Environment & Engineering	4
BTECEE42	Electronic Devices & Circuits	4
BTECEE43	Analog Electronic Circuits	2
BTECEE44	Electromagnetic Theory & Appl	4
BTECEE45	Electrical Measurement- I	4
BTECEE46	Lab - Analog Electronic Circuits	1
BTECEE47	Lab - Electrical Measurement- I	1
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BTECEE51	Computer Organization	4
BTECEE52	Control System	4
BTECEE53	Power Systems	3
BTECEE54	Electrical Measurement- II	2
BTECEE55	Advanced Electrical Machines	3
BTECEE56	Lab - Control System	1
BTECEE57	Lab - Advanced Electrical Machines	1
Total Credits		18

SEMESTER VI

Sub. Code	Subjects	Credits
BTECEE61	Power Electronics & Devices	3
BTECEE62	Digital Signal Processing	3
BTECEE63	Microprocessor	2
BTECEE64	Advance Power System & Design	3
BTECEE65	Industrial Economics & Management	3
BTECEE66	Lab - Power Electronics & Devices	1
BTECEE67	Lab - Digital Signal Processing	1
Total Credits		16

SEMESTER VII

Sub. Code	Subjects	Credits
BTECEE71	Switchgear & protection	3
BTECEE72	Utilization of Electrical Power	3
BTECEE73	Communication Engineering	3
BTECEE74	Electronics Instrumentation	3
BTECEE75	Elective - I (Any one)	
BTECEE75A	EHV-Transmission	3
BTECEE75B	Electrical Power System Reliability	3
BTECEE75C	Illumination Engineering	3
BTECEE75D	High Voltage Engineering	3
BTECEE76	Lab - Switchger & protection	2
BTECEE77	Lab - Electronics Instrumentation	2
Total Credits		19

SEMESTER VIII

Sub. Code	Subjects	Credits
BTECEE81	Machine Drives	3
BTECEE82	Design & Estimation of Electrical System	3
BTECEE83	Electrical Machine Design	2
BTECEE84	Project	8
Total Credits		16

B.TECH CIVIL ENGINEERING

SEMESTER I

Sub. Code	Subjects	Credits
BTECCE11	Mathematics I	2
BTECCE12	Chemistry	2
BTECCE14	Electrical Technology	2
BTECCE15	Mechanics	2
BTECCE16	Introduction to Manufacturing Process	2
BTECCE18	Lab - Chemistry	1
BTECCE19	Lab - Electrical Technology	1
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BTECEE21	Mathematics - II	2
BTECEE22	Applied Physics	2
BTECEE23	Programming and Data Structure	2
BTECEE24	Basic Electronics	2
BTECEE25	Engineering Drawing and Graphics	2
BTECEE27	Communicative English - II	2
BTECEE28	Lab - Applied Physics	1
BTECEE29	Lab - Basic Electronics	1
Total Credits		14

SEMESTER III

Sub. Code	Subjects	Credits
BTECCE31	Mathematics III	4
BTECCE32	Water and Waste Water Engineering	4
BTECCE33	Hydraulics	3
BTECCE34	Transportation Engineering	3
BTECCE35	Surveying-1	2
BTECCE36	Lab - Hydraulics	1
BTECCE37	Lab - Transportation Engineering	1
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
BTECCE41	Society, Environment & Engineering	4
BTECCE42	Building Construction	4
BTECCE43	Structural Analysis	2
BTECCE44	Advanced Surveying	4
BTECCE45	Solid Mechanics	4
BTECCE46	Lab - Structural Analysis	1
BTECCE47	Lab - Advanced Surveying	1
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BTECCE51	Design of RC Structures	4
BTECCE52	Foundation Engg.	4
BTECCE53	River Engineering	3
BTECCE54	Hydropower Engineering	3
BTECCE55	Operation Research	2
BTECCE56	Lab - Design of RC Structures	1
BTECCE57	Lab - Foundation Engg.	1
Total Credits		18

SEMESTER VI

Sub. Code	Subjects	Credits
BTECCE61	Design of Steel Structures	3
BTECCE62	Advanced Structural Analysis	3
BTECCE63	Environmental Engineering	2
BTECCE64	Advanced Foundation Engineering	3
BTECCE65	Industrial Economics & Management	3
BTECCE66	Lab - Design of Steel Structures	1
BTECCE67	Lab - Advanced Structural Analysis	1
Total Credits		16

SEMESTER VII

Sub. Code	Subjects	Credits
BTECCE71	Irrigation Engineering	4
BTECCE72	Prestressed Concrete & Adv. Design of Structure	3
BTECCE73	Quantity Surveying & contract & Tenders	2
BTECCE74	Finite Element Method Engineering	2
BTECCE75	Elective (Any one)	
BTECCE75A	Water Resources System & Planning	3
BTECCE75B	Valuation Of Real Property	3
BTECCE75C	Design Of Industrial Structures & Bridges	3
BTECCE75D	Highway Maintenance & Management System	3
BTECCE76	Lab - Quantity Surveying & contract & Tenders	2
BTECCE77	Lab - Prestressed Concrete	2
Total Credits		18

SEMESTER VIII

Sub. Code	Subjects	Credits
BTECCE81	Structural Dynamics	4
BTECCE82	Construction and Planning Management	3
BTECCE83	Planning & Design of Airport	3
BTECCE84	Project	8
Total Credits		18

B.TECH- COMPUTER SCIENCE

SEMESTER I

Sub. Code	Subjects	Credits
BTECCS11	Mathematics I	2
BTECCS12	Chemistry	2
BTECCS14	Electrical Technology	2
BTECCS15	Mechanics	2
BTECCS16	Introduction to Manufacturing Process	2
BTECCS18	Lab - Chemistry	1
BTECCS19	Lab - Electrical Technology	1
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BTECCS21	Mathematics - II	2
BTECCS22	Applied Physics	2
BTECCS23	Programming and Data Structure	2
BTECCS24	Basic Electronics	2
BTECCS25	Engineering Drawing and Graphics	2
BTECCS27	Communicative English - II	2
BTECCS28	Lab - Applied Physics	1
BTECCS29	Lab - Basic Electronics	1
Total Credits		14

SEMESTER III

Sub. Code	Subjects	Credits
BTECCS31	Mathematics - III	4
BTECCS32	Switching Circuits & Logic Design	4
BTECCS33	Signals & Networks	4
BTECCS34	Digital Electronics	2
BTECCS35	Electrical Machines	2
BTECCS36	Lab - Electrical Machines	1
BTECCS37	Lab - Signals & Network	1
Total Credits		18

SEMESTER IV

Sub. Code	Subjects	Credits
BTECCS41	Society, Environment, Engineering	4
BTECCS42	Electronic Devices & Circuit	4
BTECCS43	Analog Electronic Circuits	3
BTECCS44	Discrete Structures	3
BTECCS45	Object Oriented Programming	4
BTECCS46	Lab - Analog Electronic Circuits	1
BTECCS47	Lab - Object Oriented Programming	1
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BTECCS51	Operating System	3
BTECCS52	Database Management System	3
BTECCS53	Computer Graphics	2
BTECCS54	Computer Organization	4

BTECCS55	Software Engineering	4
BTECCS56	Lab - Database Management System	1
BTECCS57	Lab - Computer Graphics	1
Total Credits		18

SEMESTER VI

Sub. Code	Subjects	Credits
BTECCS61	Computer Network	4
BTECCS62	Theory of Computation	2
BTECCS63	Micro- processor	3
BTECCS64	Principles of Programming	2
BTECCS65	Industrial Economics & Management	3
BTECCS66	Lab - Computer Network	1
BTECCS67	Lab - Micro- processor	1
Total Credits		16

SEMESTER VII

Sub. Code	Subjects	Credits
BTECCS71	Pattern Recognition & Application	4
BTECCS72	Digital Signal Processing	2
BTECCS73	Data structures & Object Representation	2
BTECCS74	Advanced Computer System Architecture	4
BTECCS75	Elective-I (Any one)	
BTECCS75A	Neural Network & Application	3
BTECCS75B	Parallel Processing	3
BTECCS75C	Mobile Computing	3
BTECCS75D	Fuzzy Set Theory & Application	3
BTECCS76	Lab - Digital Signal Processing	2
BTECCS77	Lab - Advanced Computer System Architecture	2
Total Credits		19

SEMESTER VIII

Sub. Code	Subjects	Credits
BTECCS81	Design principle of language Translator	4
BTECCS82	Design & Analysis of Algorithm	4
BTECCS83	Interactive multimedia	2
BTECCS84	Project	8
BTECCS85	Lab - Design & Analysis of Algorithm	2
Total Credits		20

DIPLOMA IN CIVIL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
DCE11	Communication Skills in English	3
DCE12	Applied Mathematics-I	3
DCE13	Engineering Physics-I	3
DCE14	Engineering Chemistry-I	3
DCE15	Lab - Computer Application	2
DCE16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DCE21	Applied Mathematics-II	3
DCE22	Engineering Physics-II	3
DCE23	Engineering Chemistry-II	3
DCE24	Engineering Graphics	3
DCE25	Lab - Physics	2
DCE26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DCE31	Engineering Mechanics	3
DCE32	Construction Materials	3
DCE33	Surveying	3
DCE34	Civil Engineering Drawing	3
DCE35	Lab - Surveying -I	2
DCE36	Lab - Engineering Mechanics	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DCE41	Theory of Structures	3
DCE42	Transportation Engineering	3
DCE43	Interior Design	3
DCE44	Water Resources Management	3
DCE45	Lab - CAD in Civil Engineering -I	2
DCE46	Lab - Surveying -II	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DCE51	Structural Engineering	3
DCE52	Quantity Surveying	3
DCE53	Concrete Technology and Construction	3
DCE54	Environmental Engineering-I	3
DCE55	Lab - CAD in Civil Engineering -II	2
DCE56	Lab - Construction	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DCE61	Construction Management	3
DCE62	Hydraulics	3
DCE63	Town Planning	3
DCE64	Lab - Computer Application in Civil Engineering	2
DCE65	Project	8
Total Credits		19

DIPLOMA IN ELECTRICAL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
DEE11	Communication Skills in English	3
DEE12	Applied Mathematics-1	3
DEE13	Engineering Physics-I	3
DEE14	Engineering Chemistry-I	3
DEE15	Lab - Computer Application	2
DEE16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DEE21	Applied Mathematics-II	3
DEE22	Engineering Physics-II	3
DEE23	Engineering Chemistry-II	3
DEE24	Engineering Graphics	3
DEE25	Lab - Physics	2
DEE26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DEE31	Circuit Theory	3
DEE32	Electronic Devices	3
DEE33	Electrical Machines – I	3
DEE34	Engineering Mechanics	3
DEE35	Lab - Electronics Devices	2
DEE36	Lab - Electrical Machines – I	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DEE41	Linear and Digital IC's	3
DEE42	Computer Hardware and Networking	3
DEE43	Electrical Machines – II	3
DEE44	Measurements and Instruments	3
DEE45	Lab - IC	2
DEE46	Lab - Electrical Machines – II	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DEE51	Power Systems – I	3
DEE52	Microprocessor and Micro Controller	3
DEE53	Electrical Machines Design	3
DEE54	Control of Electrical Machines	3
DEE55	Lab -Control of Electrical Machines	2
DEE56	Lab - Micro Controller	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DEE61	Power Systems – II	3
DEE62	Power Electronics	3
DEE63	Electrical Estimation	3
DEE64	Lab - Power Electronics	2
DEE65	Project	8
Total Credits		19

DIPLOMA IN AUTOMOBILE ENGINEERING

SEMESTER I

Sub. Code	Subjects	Credits
DAE11	Communication Skills in English	3
DAE12	Applied Mathematics-1	3
DAE13	Engineering Physics-I	3
DAE14	Engineering Chemistry-I	3
DAE15	Lab - Computer Application	2
DAE16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DAE21	Applied Mathematics-II	3
DAE22	Engineering Physics-II	3
DAE23	Engineering Chemistry-II	3
DAE24	Engineering Graphics	3
DAE25	Lab - Physics	2
DAE26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DAE31	Engineering Mechanics	3
DAE32	Manufacturing Technology-I	3
DAE33	Fluid Mechanics	3
DAE34	Machine Drawing	3
DAE35	Lab - Engineering Mechanics	2
DAE36	Lab - Workshop-I	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DAE41	Thermodynamics	3
DAE42	Manufacturing Technology-II	3
DAE43	Automobile Electrical & Electronics	3
DAE44	Automobile Chassis	3
DAE45	Lab -Automobile Electrical & Electronics	2
DAE46	Lab - Workshop-II	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DAE51	Automobile Transmission	3
DAE52	Vehicle Body Technology	3
DAE53	Two & Three Wheelers Technology	3
DAE54	Tractor & Farm Equipment	3
DAE55	Lab - Automobile Chassis & Transmission	2
DAE56	Lab - Automobile Workshop	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DAE61	Industrial Engineering and Road Transport	3
DAE62	CAD/CAM	3
DAE63	Automobile Maintenance and Pollution Control	3
DAE64	Lab - CAD/CAM	2
DAE65	Project	8
Total Credits		19

DIPLOMA IN COMPUTER ENGINEERING

SEMESTER I

Sub. Code	Subjects	Credits
DCS11	Communication Skills in English	3
DCS12	Applied Mathematics - I	3
DCS13	Engineering Physics - I	3
DCS14	Engineering Chemistry - I	3
DCS15	Lab - Computer Application	2
DCS16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DCS21	Applied Mathematics-II	3
DCS22	Engineering Physics -II	3
DCS23	Engineering Chemistry-II	3
DCS24	Engineering Graphics	3
DCS25	Lab - Physics	2
DCS26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DCS31	Operating Systems	3
DCS32	C and Data Structures	3
DCS33	Basics of Electrical and Electronics Engineering	3
DCS34	Microprocessor	3
DCS35	Lab - C and Data Structures	2
DCS36	Lab - Basics of Electrical and Electronics Engineering	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DCS41	Computer Architecture	3
DCS42	Web Design	3
DCS43	Java Programming	3
DCS44	Software Engineering	3
DCS45	Lab - Java Programming	2
DCS46	Lab - Web Design	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DCS51	Computer Networks	3
DCS52	Relational Database Management Systems	3
DCS53	Dot Net	3
DCS54	Embedded Systems	3
DCS55	Lab - Networks	2
DCS56	Lab - Dot Net	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DCS61	Computer Hardware and Servicing	3
DCS62	Mobile Computing	3
DCS63	Multimedia	4
DCS64	Lab - Computer Hardware and Servicing	2
DCS65	Project	8
Total Credits		22

DIPLOMA IN ELECTRONICS & TELECOM ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
DEC11	Communication Skills in English	3
DEC12	Applied Mathematics-1	3
DEC13	Engineering Physics-I	3
DEC14	Engineering Chemistry-I	3
DEC15	Lab - Computer Application	2
DEC16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DEC21	Applied Mathematics-II	3
DEC22	Engineering Physics-II	3
DEC23	Engineering Chemistry-II	3
DEC24	Engineering Graphics	3
DEC25	Lab - Physics	2
DEC26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DEC31	Electrical Circuits and Instrumentation	3
DEC32	Electronic Devices	3
DEC33	C Programming	3
DEC34	Microprocessor	3
DEC35	Lab - Electronic Devices	2
DEC36	Lab - Electrical Circuits and Instrumentation	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DEC41	Linear and Digital ICs	3
DEC42	Computer Hardware and Networking	3
DEC43	Industrial Electronics	3
DEC44	Object Oriented Programming	3
DEC45	Lab - IC	2
DEC46	Lab - Industrial Electronics	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DEC51	VLSI	3
DEC52	Microcontrollers	3
DEC53	Communication Engineering - I	3
DEC54	Robotics	3
DEC55	Lab - VLSI	2
DEC56	Lab - Communication Engineering - I	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DEC61	Embedded Systems	3
DEC62	Communication Engineering - II	3
DEC63	Television Engineering	3
DEC64	Lab - Embedded Systems	2
DEC65	Project	8
Total Credits		19

DIPLOMA IN MECHANICAL ENGINEERING**SEMESTER I**

Sub. Code	Subjects	Credits
DME11	Communication Skills in English	3
DME12	Applied Mathematics-1	3
DME13	Engineering Physics-I	3
DME14	Engineering Chemistry-I	3
DME15	Lab - Computer Application	2
DME16	Lab - Workshop Practice	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
DME21	Applied Mathematics-II	3
DME22	Engineering Physics-II	3
DME23	Engineering Chemistry-II	3
DME24	Engineering Graphics	3
DME25	Lab - Physics	2
DME26	Lab - Chemistry	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
DME31	Engineering Mechanics	3
DME32	Manufacturing Technology-I	3
DME33	Fluid Mechanics	3
DME34	Machine Drawing	3
DME35	Lab - Engineering Mechanics	2
DME36	Lab - Workshop-I	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
DME41	Thermodynamics	3
DME42	Manufacturing Technology-II	3
DME43	Electrical and Electronics Engineering	3
DME44	Refrigeration and Air Conditioning	3
DME45	Lab - Thermodynamics	2
DME46	Lab - Workshop-II	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
DME51	Design of Machine Elements	3
DME52	Thermal Engineering	3
DME53	Metrology	3
DME54	Mechatronics	3
DME55	Lab - Metrology	2
DME56	Lab - Workshop III	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
DME61	Industrial Engineering and Management	3
DME62	CAD/CAM	3
DME63	Automobile Technology	3
DME64	Lab - CAD/CAM	2
DME65	Project	8
Total Credits		19





GENERAL PROGRAMS

Introduction:

KSOU offers a variety of programmes in Humanities and Social sciences as well as in Commerce and certain aspects of Media studies. These programmes are generally chosen by students who have an innate interest in the study of History, Political sciences, Economics and other related areas. For those who have an interest in language and Literature, English is offered both at Undergraduate and Postgraduate levels. A brief survey of some of the important General programmes offered is elaborated below.

The Social Sciences programmes include History, Economics and Politics. These programmes are credit based yearly programmes. Economics offered at UG and PG levels provides students a broad understanding of functioning of the International Economy in general and Indian Economy in particular. They emphasize on the evolution of Indian Economic policy from the days of Independence to the present when it is Globalized. The programmes enhance the employment potential of the students as the knowledge of economics is required in all spheres of activities. Study of History is offered at UG and PG levels the emphasis is on ancient, medieval and contemporary history. The courses deal with Indian History elaborately and significant areas of world history are also included. The Political Science offered again at UG and PG levels deals with several aspects of the development of political thought at national and international levels. The functioning of the different types of government is discussed in detail.

A programme on Women's studies at Master's level focuses on women in India and provides a conceptual understanding of women's issues. The feminist perspectives in terms of social, physical and internal well-being of women are discussed with special reference to the participation of women in formal and informal decision-making processes. The course will be of immense use to those students who would like to take up research and extension activities on gender-related issues.

Liberalization and Globalization of economy have led to a manifold increase in trade and trade-related activities. This has naturally attached a lot of significance to the Commerce programmes. The programmes offered at UG and PG levels are oriented towards the needs of the market economy. The various aspects of Commerce-related subjects like Finance, Marketing, HR and Taxation are designed in such a way that it would meet the aspirations of the Corporate sector.

KSOU also offers BA and MA programmes in Education for an absolute understanding of the teaching profession. Various tools of teaching as well as the art of teaching that would leave a lasting impression on students are the subject matter of these programmes. Various aspects of the teacher education relating to the behaviour of students, the rapport between the teacher and the student, modern teaching methods such as the use of internet and online facilities and communication among parents, students and teachers are dealt in detail.

It is earnestly hoped that the different courses on Humanities and Social Sciences as well as Education would have a far-reaching influence on the students who aspire to specialize in these areas.

MA - ENGLISH**Previous**

Sub. Code	Subjects	Credits
MAEn11	English Literature from Chaucer to Bunyan	7
MAEn12	Shakespeare	7
MAEn13	Restoration & Eighteenth Century English Literature	7
MAEn14	Nineteenth Century Literature	7
MAEn15	Indian Literature in English	7
Total Credits		35

Final

Sub. Code	Subjects	Credits
MAEn21	Twentieth Century English Literature	7
MAEn22	Comparative Literature (Drama)	7
MAEn23	Literary Criticism	7
MAEn24	American Literature	7
MAEn25	European Classics in Translation	7
Total Credits		35

MA - ECONOMICS**Previous**

Sub. Code	Subjects	Credits
MAE11	Micro-Economic Analysis	7
MAE12	Economics of Development & Growth	7
MAE13	Quantitative Methods	7
MAE14	Public Economics	7
MAE15	Money, Banking & Financial Markets	7
Total Credits		35

Final

Sub. Code	Subjects	Credits
MAE21	Macro- Economic Analysis	7
MAE22	Indian Economic Policy	7
MAE23	International Trade & Finance	7
MAE24	Economics of Demography	7
MAE25	Welfare Economics	7
Total Credits		35

MA - HISTORY**Previous**

Sub. Code	Subjects	Credits
MAH11	History of South India up to 1336 A.D	7
MAH12	Social and Cultural History of North India to 1300 A.D	7
MAH13	Constitutional History of Modern India (1600-1950)	7
MAH14	History of Europe Since 1871-1960	7
MAH15	History of China & Japan Since 1839-1900	7
Total Credits		35

Final

Sub. Code	Subjects	Credits
MAH21	Historical Methods & Historiography	7
MAH22	History of India-1526-1707	7
MAH23	Economy, Society & Literature under the Wodeyars	7
MAH24	History of Freedom Movement in India 1885-1947	7
MAH25	History of United States of America	7
Total Credits		35

MA - POLITICAL SCIENCE**Previous**

Sub. Code	Subjects	Credits
MAP11	Western Political Thought	7
MAP12	Indian Political Thought	7
MAP13	Political Process & Politics in India Since-1950	7
MAP14	Major Issues in Indian Administration	7
MAP15	International Relations	7
Total Credits		35

Final

Sub. Code	Subjects	Credits
MAP21	Comparative Governments & Politics	7
MAP22	Contemporary Political Science	7
MAP23	Recent Political Theory	7
MAP24	Public Personnel Administration	7
MAP25	India & Her Neighbours	7
Total Credits		35

M.COM**Previous**

Sub. Code	Subjects	Credits
MCOM11	Principles of Management	7
MCOM12	Business Policy & Environment	7
MCOM13	Marketing Management	7
MCOM14	Accounting-Theory & Practice	7
MCOM15	Human Resources Management	7
Total Credits		35

Final

Sub. Code	Subjects	Credits
MCOM21	Financial Management	7
MCOM22	Industrial Relations	7
MCOM23	Labour Legislation	7
MCOM24	Training & Development	7
MCOM25	Organizational Behavior	7
Total Credits		35

MSW**SEMESTER I**

Sub. Code	Subjects	Credits
MSW11	History, Philosophy & Fields of Social Work	4
MSW12	Community Organisation & Social Action	4
MSW13	Social Work Profession	4
MSW14	Working with Individuals & Families – Case Work	4
MSW15	Psychology for Social Workers	4
MSW16	Social Work Research and Statistics	4
Total Credits		24

SEMESTER II

Sub. Code	Subjects	Credits
MSW21	Socialization of the Child & Child Welfare	4
MSW22	Medical & Psychiatric Social Work	4
MSW23	Governance & Community Development	4
MSW24	Fundamentals of Management	4
MSW25	Urban, Rural & Tribal Social Systems	4
Total Credits		24

SEMESTER III

Sub. Code	Subjects	Credits
MSW31	Tribal Social System	4
MSW32	Disaster Management	4
MSW33	Management of Welfare Organizations	4
MSW34	Rural & Urban Community Development	4
MSW35	Social Work with Disabled People	4
Total Credits		20

SEMESTER IV

Sub. Code	Subjects	Credits
MSW41	Employee Welfare	4
MSW42	Counseling	4
MSW43	Legal System in India	4
MSW44	Project	10
Total Credits		22

MASTER OF TOURISM AND HOSPITALITY MANAGEMENT**SEMESTER I**

Sub. Code	Subjects	Credits
MTHM11	Tourism Product & Services	4
MTHM12	Computer Applications	4
MHTM13	Basic Food & Beverages Services	4
MTHM14	Food Science & Nutrition	4
MTHM15	Front Office Operations	4
Total Credits		20

SEMESTER II

Sub. Code	Subjects	Credits
MTHM21	Financial Accounting & Costing	4
MTHM22	Global Trends in Tourism & Tourism Concepts	4
MTHM23	Communication Skills in Tourism	4
MTHM24	House Keeping & Accommodation	4
MTHM25	Managerial Economics	4
Total Credits		20

SEMESTER III

Sub. Code	Subjects	Credits
MTHM31	Strategic Marketing Management	4
MTHM32	Tourism Management	4
MTHM33	HR Management	4
MTHM34	Management Information System	4
MTHM35	International Hotel Laws	4
Total Credits		20

SEMESTER IV

Sub. Code	Subjects	Credits
MTHM41	Conference & Event Management	4
MTHM42	Entrepreneurship Development Program	4
MTHM43	Project	12
Total Credits		20

MASTER OF LAW

SEMESTER I

Sub. Code	Subjects	Credits
LLM101	Research Methodology	4
LLM102	Introduction to Intellectual Property & Patent Law	4
LLM103	Law of Plant Varieties & farmers right	4
LLM104	Law of Copyright	4
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
LLM201	Law of Trademarks & Domain names	4
LLM202	Law of Design & Integrated Circuits	4
LLM203	Law of Trade Secrets	4
LLM204	Technology Law & Society	4
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
LLM301	Law on Geographical Indications & Traditional Knowledge	4
LLM302	Law Relating to Biotechnology	4
LLM303	Information Technology Law	4
LLM304	Technology Transfer & IPR	4
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
LLM401	IP Valuation, Audit & Management	4
LLM402	IP and Competition Law	4
LLM403	Dissertation	8
Total Credits		16

M.SC MATHEMATICS

SEMESTER I

Sub. Code	Subjects	Credits
MSM101	Algebra	3
MSM102	Real Analysis - I	3
MSM103	Complex Analysis - I	3
MSM104	Discrete Mathematics	3
MSM105	Differential Equations	3
Total Credits		15

SEMESTER II

Sub. Code	Subjects	Credits
MSM201	Linear Algebra	3
MSM202	Real Analysis - II	3
MSM203	Complex Analysis - II	3
MSM204	Numerical Analysis	3
MSM205	Operation Research	3
Total Credits		15

SEMESTER III

Sub. Code	Subjects	Credits
MSM301	Topology	4
MSM302	Measure Theory	4
MSM303	Functional Analysis	4
MSM304	Mathematical Modeling	4
MSM305	Computer Programming	4
Total Credits		20

SEMESTER IV

Sub. Code	Subjects	Credits
MSM401	Number Theory	4
MSM402	Graph Theory & Algorithms	4
MSM403	Fluid Mechanics	4
MSM404	Mathematical Statistics	4
MSM405	Dissertation	4
Total Credits		20

M.SC PHYSICS

SEMESTER I

Sub. Code	Subjects	Credits
MSP101	Classical Mechanics	4
MSP101	Electronic Circuits & Devices	4
MSP101	Quantum Mechanics	4
MSP101	Mathematical & Computational Methods	2
MSP101	Lab Electronics (General) ,General Physics	2
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
MSP201	Statistical Mechanics	4
MSP202	Electrodynamics & Plasma Physics	4
MSP203	Quantum Mechanics	4
MSP204	Mathematical & Computational Methods	2
MSP205	Lab Electronics II, Computer Exercises	2
Total Credits		16

SEMESTER III

Sub. Code	Subjects	Credits
MSP301	Atomic, Molecular & Optical Physics	4
MSP302	Nuclear & Particle Physics	4
MSP303	Condensed Matter Physics	2
MSP304	Special paper of choice	4
MSP305	Lab work related to special paper and General Physics	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
MSP401	Special paper Advanced	4
MSP402	Lab work Special Paper	3
MSP403	Elective Paper - I	3
MSP404	Elective paper Dissertation	3
MSP405	Lab work Elective paper	3
Total Credits		16

M.SC LIBRARY AND INFORMATION SCIENCE

YEAR I

Sub. Code	Subjects	Credits
MLI101	Foundations of Information Science	6
MLI102	Organization of Information Science	6
MLI103	Content Analysis, Organization & Development	6
MLI104	Management of Information Resource	6
MLI105	Information System : Architecture & Retrieval	6
MLI106	Research Methods in LIS	6
MLI107	Applications of IT in Libraries & Information Centers	6
MLI108	Applications of IT in Libraries & Information Centers (Lab)	4
MLI109	Organisation of Information Sources (Lab)	4
Total Credits		50

BACHELOR OF SCIENCE (PHYSICS, CHEMISTRY, & MATHEMATICS)

SEMESTER I

Sub. Code	Subjects	Credits
BSGE101	Language - I - Hindi/Kannada	
BSGE102	Maths (Calculus & Linear Algebra)	3
BSGE103	Physics (Elementary Mechanics & Oscillations & waves)	3
BSGE104	Chemistry (Inorganic Chemistry)	3
BSGE105	Lab Physics / Chemistry	2
Total Credits		14

SEMESTER II

Sub. Code	Subjects	Credits
BSGE202	Maths (Elementary Algebra & Analytical Geometry)	3
BSGE203	Physics (Thermodynamics, Statistical Mechanics)	3
BSGE204	Chemistry (Physical Chemistry)	3
BSGE205	Communicative English - II	2
BSGE206	Lab Physics / Chemistry	2
Total Credits		15

SEMESTER III

Sub. Code	Subjects	Credits
BSGE301	Maths (Advanced Calculus, Abstract Algebra & Differential Equations)	4
BSGE302	Physics (Electric & Magnetic Phenomenon)	3
BSGE303	Chemistry (Organic Chemistry)	3
BSGE304	Lab Physics / Chemistry	2
Total Credits		12

SEMESTER IV

Sub. Code	Subjects	Credits
BSGE401	Maths (Real & Numerical Analysis)	4
BSGE402	Physics (Optics, Electrical Circuits & Electronics)	3
BSGE403	Chemistry (Biochemistry- I)	3
BSGE404	Lab Physics / Chemistry	2
Total Credits		12

SEMESTER V

Sub. Code	Subjects	Credits
BSGE501	Maths (Probability, Statistic)	4
BSGE502	Physics (Modern Physics & Physics of Solids)	4
BSGE503	Chemistry (Analytical Chemistry)	4
BSGE504	Lab Physics / Chemistry	2
Total Credits		14

SEMESTER VI

Sub. Code	Subjects	Credits
BSGE601	Maths (Linear Programming & Discrete Maths)	4
BSGE602	Physics (Astro Physics & Astronomy)	4
BSGE603	Chemistry (Environmental Chemistry)	4
BSGE604	Lab Physics / Chemistry	2
Total Credits		14

Language - I Code Hindi - 101-01/Kannada 101-02

BA-GENERAL

YEAR I

Sub. Code	Subjects	Credits
BA11	Foundation Course in Humanities & Social Sciences	4
BA12	Foundation Course in Science & Technology	4
BA13	Language Courses (Select Any Two)	8
BA131	• Kannada	
BA132	• English	
BA133	• Hindi	
BA134	• Urdu	
BA135	• Sanskrit	
BA136	• Telugu	
BA137	• Tamil	
BA138	• Malayalam	
BA14	Optional Courses (Select Any Three)	12
BA141	• Kannada ಕನ್ನಡ ಸಾಹಿತ್ಯಚರಿತ್ರೆ	
BA142	• English Poetry, Drama, Fiction & Prose	
BA143	• Hindi Hindi SahityaKaVikas (Rithi KalTak)	
BA144	• History Indian History & Culture from the Earliest Times To 1525 A.D.	
BA145	• Sociology General Sociology	
BA146	• Political Science Political Theory	
BA147	• Public Administration Theory & Practice of Modern Governments	
BA148	• Economics Economic Theory	
BA149	• Education Foundations of Education	
Total Credits		28

YEAR II

Sub. Code	Subjects	Credits
BA21	Foundation Course in Information Technology	6
BA22	Application Oriented Courses (Any One)	4
BA221	• Marketing	
BA222	• Office Organization & Management	
BA223	• Consumer Studies	8
BA23	Language Courses (Select Any Two)	
BA231	• Kannada	
BA232	• English	
BA233	• Hindi	
BA234	• Urdu	
BA235	• Sanskrit	
BA236	• Telugu	
BA237	• Tamil	12
BA238	• Malayalam	
BA24	Optional Courses (Select Any Three)	
BA241	• Kannada ನಡುಗನ್ನಡ ಮತ್ತು ಹೊಸಗನ್ನಡ ಪಠ್ಯಗಳು	
BA242	• English Poetry, Drama, Fiction & Prose	
BA243	• Hindi PracheenAvem Madhya Kaleen Kavitha	
BA244	• History Indian History & Culture from 1526 To 1964	
BA245	• Sociology Study of Indian Society	
BA246	• Political Science Modern Governments	
BA247	• Public Administration Introduction to the Principles of Public Administration	
BA248	• Economics Money Banking & Public Economics	
BA249	• Education Psychology of Development & Learning	
Total Credits		30

YEAR III

Sub. Code	Subjects	Credits
	Select Any Three	
BA31 BA311	Kannada • ಭಂದಸ್ಸು ಮತ್ತು ಹಳಗನ್ನಡ ಪಠ್ಯಗಳು	12
BA312	• ಭಾರತೀಯಕಾವ್ಯಮೀಮಾಂಸೆ ಮತ್ತು ಸಾಹಿತ್ಯ ವಿಮರ್ಶೆಯ ತತ್ವಗಳು	
BA313	• ಹಳಗನ್ನಡ ವ್ಯಾಕರಣ ಮತ್ತು ಕನ್ನಡ ಭಾಷೆಯ ಚರಿತ್ರೆ	
BA32 BA321 BA322 BA323	English • Poetry, Drama, Fiction & Prose • Poetry, Drama & Fiction • Growth of English Language & its Characteristics of Modern English, Hudson & Practical Criticism	12
BA33 BA331	Hindi • Uttar Madhya Kaleen KavithaAurKahaniya	12
BA332	• Hindi Upanyas	
BA333	• Hindi SahithyaIthihas (AdhunikaKal)	
BA34 BA341	History • History & Culture of Karnataka (1336 To 1956)	12
BA342	• History of Modern Asia from 1900 to the Present (East Asia & West Asia)	
BA343	• History of Modern Europe from 1789 to the Present	
BA35 BA351	Sociology • Study of Rural –Urban Communities	12
BA352	• Social Disorganization	
BA353	• Sociological Thought	
BA36 BA361	Political Science • Indian Constitution & Government	12
BA362	• Public Administration	
BA363	• International Relations	
BA37 BA371	Public Administration • Introduction to the Principles of Public Administration	12
BA372	• Local Governments of Modern States	
BA373	• Indian Government & Administration	
BA38 BA381 BA382 BA383	Economics • International Economics • Indian Economy • Development Economics	12
BA39 BA391 BA392 BA393	Education • Curriculum, Teaching & Evaluation • Educational Systems in India • Trends & Challenges of Education	12
Total Credits		36

BSW

SEMESTER I

Sub. Code	Subjects	Credits
BSW12	Introduction to Social Work	3
BSW13	Basic Economic Concepts	3
BSW14	Basic Sociological Concepts for Social Work	3
BSW15	Personal & Professional Development for Social Work Practice	3
Total Credits		12

SEMESTER II

Sub. Code	Subjects	Credits
BSW21	Concept of Family	3
BSW22	Rural Ecology & Environment	3
BSW23	Fields of Social Work, Social Work Intervention with Individuals & Groups	3
BSW24	Social Problems in India	3
BSW25	Working with Group & Group Dynamics in Social Work	3
Total Credits		15

SEMESTER III

Sub. Code	Subjects	Credits
BSW31	Sociology of Social Movements	3
BSW32	Psychology for Social Workers	3
BSW33	Development Economics	3
BSW34	Social Work Intervention	3
BSW35	Community Health - HIV/ Aids	3
Total Credits		15

SEMESTER IV

Sub. Code	Subjects	Credits
BSW41	Women & Development	3
BSW42	Psychosocial Dynamics of Human Behavior	3
BSW43	Human Growth & Development	3
BSW44	Methods of Working with People: Macro Approaches	3
BSW45	Social Deviance, Behavior Correctional Administration	3
Total Credits		15

SEMESTER V

Sub. Code	Subjects	Credits
BSW51	Social Work & Welfare Administration	3
BSW52	Understanding Urban, Rural & Tribal Communities	3
BSW53	Social Research & Social Work Research	3
BSW54	Gender & Development	3
BSW55	BLOCK FIELD WORK -I	6
Total Credits		18

SEMESTER VI

Sub. Code	Subjects	Credits
BSW61	Social Work with Children	3
BSW62	Rural Development	3
BSW63	Counseling	3
BSW64	Management of NGO's & Disaster Relief Services	3
BSW65	BLOCK FIELD WORK -II	6
Total Credits		18

B.COM

YEAR I

Sub. Code	Subjects	Credits
BCOM11 BCOM111 BCOM112 BCOM113 BCOM114 BCOM115 BCOM116 BCOM117 BCOM118	Language Courses (Select Any Two) • Kannada • English • Hindi • Urdu • Sanskrit • Telugu • Tamil • Malayalam	8
BCOM12	Indian Constitution, Human Rights, & Environmental Science	8
BCOM13	Financial and Accounting Principles-1	4
BCOM14	Business Organization & Office Management	4
BCOM15	Company Law and Secretarial Practice	4
Total Credits		28

YEAR II

Sub. Code	Subjects	Credits
BCOM21	Language Courses (Select Any Two)	8
BCOM121	• Kannada	
BCOM122	• English	
BCOM123	• Hindi	
BCOM124	• Urdu	
BCOM125	• Sanskrit	
BCOM126	• Telugu	
BCOM127	• Tamil	
BCOM128	• Malayalam	
BCOM22	Foundation Course in Information Technology	6
BCOM23	Financial & Accounting Principles-2	4
BCOM24	Human Resource Management	4
BCOM25	Banking Principles & Practice	4
Total Credits		26

YEAR III

Sub. Code	Subjects	Credits
BCOM31	Financial Accounting & Principles-3	4
BCOM32	Income Tax Laws & Practice	4
BCOM33	Cost Accounting	4
BCOM34	Law and Practice of Auditing	4
BCOM35	Management Accounting	4
BCOM36	Business Statistics	4
BCOM37	Business Law	4
BCOM38	Marketing Management	4
BCOM39	Introduction to Computer	4
Total Credits		36

B.Sc. - HOSPITALITY AND CATERING MANAGEMENT

SEMESTER I

Sub. Code	Subjects	Credits
BHCM11	Introduction to Hospitality Management	3
BHCM12	Front office Operations	3
BHCM15	Accommodation Operations	3
BHCM16	Lab - Accommodation Operations	2
BHCM17	Lab - Front office Operations - I	2
Total Credits		13

SEMESTER II

Sub. Code	Subjects	Credits
BHCM22	Communicative English-II	4
BHCM23	Hospitality Information Systems	3
BHCM24	HR Management	3
BHCM25	Entrepreneurship Development Programme	3
BHCM26	Lab - Hospitality Information Systems	2
BHCM27	Lab - Front Office Operation - II	2
Total Credits		17

SEMESTER III

Sub. Code	Subjects	Credits
BHCM31	Computer Applications	3
BHCM32	Accounting with Tally	3
BHCM33	Introduction to Internet World Wide Web	3
BHCM34	Food Production Theory	3
BHCM35	Lab - Accommodation Operations	2
BHCM36	Lab - Tally	2
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
BHCM41	Food Production & Bakery Maintenance	3
BHCM42	Food & Beverage Services	3
BHCM43	Food & Nutrition	3
BHCM44	Hospitality & Hotel law	3
BHCM45	Lab - Food Production & Bakery Maintenance-I	2
BHCM46	Lab - Food & Beverage Services-I	2
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
BHCM51	Principles of Management	3
BHCM52	Sales & Marketing Management	3
BHCM53	Cultural Heritage of India	3
BHCM54	Tourism & Travel Management	3
BHCM55	Lab - Food production & Bakery Maintenance - II	2
BHCM56	Lab - Food & Beverage Services - II	2
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
BHCM61	Hospitality in Catering	3
BHCM62	House Keeping	3
BHCM63	Project (On the Job Training for 240 Hours)	10
Total Credits		16



MANAGEMENT PROGRAMS

Introduction:

MBA is internationally recognized as the foremost management qualification. Both experienced and less experienced managers see the need to supplement practical experience with sound strategy and an understanding of the range of disciplines employed in today's turbulent management environment. This course is aimed at suitably qualified and ambitious personal, keen to acquire the skills and knowledge vital to successful career development.

The MBA will encourage developing personal skill set, giving the confidence and enhancing skills as well as encouraging taking a variety of roles.

The programs are designed to provide a critical and applied study at postgraduate level of leading edge and contemporary management theory, delivered through real-world business problems. The MBA program encompasses a comprehensive and well-structured two-year curriculum designed specifically to provide specialized training in the concepts and skills involved in the management service delivery, regulatory process, and competition policy, as well as helping the managers to understand regulation from technical, economic, social, and legal perspectives. The program is open to both mid career professionals and fresh graduates.

The program has been tailored to equip the students with all the relevant knowledge and skill sets to contribute to the infrastructure growth. The course not only imparts the managerial skills in core subjects but also in specialized domain related expertise infrastructure and infrastructure management, contract administration, and non-conventional methods of infrastructure creation. The students also learn about the financing of infrastructure projects, IT applications as well as accounting specifically in the context of infrastructure sector.

Stage One provides a systematic understanding, knowledge and critical awareness of the essential functions, processes, their diverse nature, the governance and ethical dilemmas facing organizations and leaders and the external environment in which they operate. The fundamental objective of this stage is to understand the key sources of strategic advantage, develop a strategic mind set, leverage value, build organizational capacity and begin the process of understanding individual potential and their ability to develop leadership skills.

Stage Two develops a deeper understanding of leadership and management as an integrative process and this stage requires synthesis, integration and practical application to real and messy problems.

Stage Three provides a range of modules allowing the student to pursue individual interests and development needs. These modules offer a deeper understanding of knowledge and a critical awareness of current problems and/or new insights informed by the forefront of their academic discipline or field of study. Stage three also continues the process of understanding individual potential and further develops leadership skills in the chosen specialization.

MBA (INFORMATION SYSTEMS)

SEMESTER I

Sub. Code	Subjects	Credits
MBAIS11	Principles of Management & Organizational Behavior	5
MBAIS12	Information System Strategy	5
MBAIS13	Marketing Management	5
MBAIS14	Financial & Management Accounting	5
MBAIS15	Business Applications of IT	5
MBAIS16	Internet Technologies	5
Total Credits		30

SEMESTER II

Sub. Code	Subjects	Credits
MBAIS21	Human Resource Management	5
MBAIS22	Operations Research & Management	5
MBAIS23	Application Programming (VB)	5
MBAIS24	Managerial economics	5
MBAIS25	Computer Network & Security	5
MBAIS26	DBMS (SQL/ ORACLE)	5
Total Credits		30

SEMESTER III

Sub. Code	Subjects	Credits
MBAIS31	MIS	5
MBAIS32	E-commerce and Cyber Laws	5
MBAIS33	BPR & Conflict Management	5
MBAIS34	Data Warehousing and Data Mining	5
MBAIS35	Electives (Any Two)	5
MBAIS35A	IT Services and Management	5
MBAIS35B	Introduction to HTML, Website Design and Management	5
MBAIS35C	Emerging New Technologies and Opportunities	5
MBAIS35D	Quantitative Techniques and Research Methods	5
MBAIS35E	IT Project Management	5
Total Credits		30

SEMESTER IV

Sub. Code	Subjects	Credits
MBAIS41	E CRM AND SCM	5
MBAIS42	International Business & Business Intelligence	5
MBAIS43	Data Communication	5
MBAIS44	Electives (Any one)	5
MBAIS44A	IT Services and Management	5
MBAIS44B	Introduction to HTML, Website Design and Management	5
MBAIS44C	Emerging New Technologies and Opportunities	5
MBAIS44D	Quantitative Techniques and Research Methods	5
MBAIS44E	IT Project Management	5
MBAIS45	Project	10
Total Credits		30

MANAGEMENT PROGRAMS (With DUAL SPECIALISATION)

SEMESTER I

Sub. Code	Subjects	Credits
MB01	Management Concepts	5
MB02	Organizational Behaviour	5
MB03	Managerial Economics	5
MB04	Management Information System	5
MB05	Legal Aspects of Business	5
MB06	Accounting for Management	5
Total Credits		30

SEMESTER II

Sub. Code	Subjects	Credits
MB07	Production Management	5
MB08	Marketing Management	5
MB09	Human Resource Management	5
MB10	Financial Management	5
MB11	Quality Management	5
MB12	Research Methods in Business	5
Total Credits		30

SEMESTER III

Sub. Code	Subjects	Credits
MB13	Project Management	5
MB14	Strategic Management	5
MB15	International Business	5
Electives Banking Specialization		
MBBN01	Indian Banking System	5
MBBN02	Retailing and CRM in Banking	5
MBBN03	Financial Derivatives	5
Electives Finance Specialization		
MBFN01	Behavioral Finance	5
MBFN02	Financial Engineering	5
MBFN03	Corporate Structured Finance	5
Electives Human Resource Management Specialization		
MBHR01	Legal Framework Governing Human Relations	5
MBHR02	Human Resource Development-Strategies and Systems	5
MBHR03	Cross Cultural and Global Management	5
Marketing Specialization		
MBMK01	Consumer Behaviour	5
MBMK02	Sales Promotions Management	5
MBMK03	Marketing of Services	5
Project Management Specialization		
MBMK01	Introduction to Project Management	5
MBMK02	Project Planning & Scheduling	5
MBMK03	Managing Human Resource in Project	5

Hospitality Management Specialization

MBHM01	Tourism Planning & Marketing	5
MBHM02	International Hospitality Law	5
MBHM03	Hospitality Management	5
Retail Management Specialization		
MBMK01	Buyer Behaviour	5
MBMK02	Retail Planning	5
MBMK03	Direct and Network Marketing	5
Information Technology Specialization		
MBIT01	Database Management	5
MBIT02	System Analysis & Design	5
MBIT03	Management Support System	5
Total Credits		30

SEMESTER IV

Sub. Code	Subjects	Credits
MB19	Applied Management Operation Research	5
MB20	Indian Business Environment	5
	Second Elective Stream Subject - 1	5
	Second Elective Stream Subject - 2	5
	Second Elective Stream Subject - 3	5
	3 Electives belonging to the second specialization (Student should not choose the same specialization chosen in the 3rd Semester)	
MB24	Project	10
Total Credits		35

EXECUTIVE MBA – (With Specialization COMMON SYLLABUS)**SEMESTER I**

Sub. Code	Subjects	Credits
EMB-101	Principles of Management	5
EMB-102	Managerial Economics	5
EMB-103	Managerial Accounting	5
EMB-104	Financial Management	5
EMB-105	Marketing Management	5
EMB-106	Human Resource Management	5
EMB-107	Organizational Behaviour	5
EMBA18	Operations Management	5
Total Credits		32

SEMESTER II

Sub. Code	Subjects	Credits
EMB-201	Strategy in Business	5
EMB-202	International Business	5
EMB-203	Entrepreneurship	5
EMB-204	Management Information System	5
EMB-209	Project	7
FINANCE SPECIALIZATION		
EMBFM205	Corporate Finance	5
EMBFM206	Investment Management	5
EMBFM207	Security Analysis & Portfolio Management	5
EMBFM208	Financial Derivatives	5
HR SPECIALIZATION		
EMBHR205	Training and Development	5
EMBHR206	Organizational Development and Team Building	5
EMBHR207	Industrial Relation	5
EMBHR208	International HRM	5

IT MANAGEMENT SPECIALIZATION

EMBIT205	Database Management System	5
EMBIT206	Structured System Analysis & Design	5
EMBIT207	E-Commerce	5
EMBIT208	ERP	5

MARKETING MANAGEMNT SPECIALIZATION

EMBMM205	Service Marketing	5
EMBMM206	Brand Management	5
EMBMM207	Industrial Marketing	5
EMBMM208	Marketing Research and Consumer Behaviour	5

RETAIL MANAGEMNT SPECIALIZATION

EMBRM205	Retailing and Retail Management	5
EMBRM206	Retail Strategies	5
EMBRM207	Retail Organization and Managing Retail Personnel	5
EMBRM208	Retail Merchandise Management	5

PROJECT MANAGEMNT SPECIALIZATION

EMBPM205	Project Management Concepts	5
EMBPM206	Project Planning	5
EMBPM207	Project Performance, Measurement Control	5
EMBPM208	Project Evaluation Techniques	5

INSURANCE & BANKING SPECIALIZATION

EMBIN205	Principles of Insurance	5
EMBIN206	Management General Insurance	5
EMBIN207	Banking System	5
EMBIN208	Banking Laws & Practices	5

Total Credits 47

BACHELOR OF BUSINESS ADMINISTRATION

SEMESTER I

Sub. Code	Subjects	Credits
BBA-1001	Principles of Management	4
BBA-1002	Introduction to Computers	4
Total Credits		8

SEMESTER II

Sub. Code	Subjects	Credits
BBA-2002	Business Statistics	4
BBA-2003	Managerial Economics	4
BBA-2004	Communicative English - II	4
Total Credits		12

SEMESTER III

Sub. Code	Subjects	Credits
BBA-3001	Marketing Management	4
BBA-3002	Financial Accounting	4
BBA-3003	Quantitative Techniques	4
BBA-3004	Organizational Behaviour	4
Total Credits		16

SEMESTER IV

Sub. Code	Subjects	Credits
BBA-4001	Management of Information Systems	4
BBA-4002	Human Resources Management	4
BBA-4003	Financial Management	4
BBA-4004	Operations Management	4
Total Credits		16

SEMESTER V

Sub. Code	Subjects	Credits
BBA-5001	E Commerce	4
BBA-5002	Entrepreneurship & Small Business Management	4
BBA-5003	Business Policy	4
BBA-5004	Personality Development	4
Total Credits		16

SEMESTER VI

Sub. Code	Subjects	Credits
BBA-6001	Business Law	4
BBA-6002	Business Mathematics	4
BBA-6003	Leadership	4
BBA-6004	Project Report	6
Total Credits		18

BBM

SEMESTER I

Sub. Code	Subjects	Credits
BBM11	Business Organization	4
BBM12	Business Statistics	4
BBM14	Personality Development	4
BBM15	Practical Based on BDFOC	4
Total Credits		16

SEMESTER II

Sub. Code	Subjects	Credits
BBM21	Principles of Management	4
BBM22	Business Communication/ Communicative English - II	4
BBM23	Financial Accounting - I	4
BBM24	Business Data Processing	4
BBM25	Practical Based on BB24	4
Total Credits		20

SEMESTER III

Sub. Code	Subjects	Credits
BBM31	Financial Accounting - II	4
BBM32	Micro Economics	4
BBM33	Data Management System	4
BBM34	Business Law	4
BBM35	Practical Based on BBM33	4
Total Credits		20

SEMESTER IV

Sub. Code	Subjects	Credits
BBM41	Banking System	4
BBM42	Macro Economics	4
BBM43	Taxation and Laws	4
BBM44	Entrepreneurship and small Business	4
BBM45	Case Study & Presentation	4
Total Credits		20

SEMESTER V

Sub. Code	Subjects	Credits
BBM51	Indian Economics	4
BBM52	Business Mathematics	4
BBM53	Principles of Information System	4
BBM54	Cost Accounting	4
BBM55	Retails Management	4
Total Credits		20

SEMESTER VI

Sub. Code	Subjects	Credits
BBM61	Management Accounting	4
BBM62	Fundamentals of E-Commerce	4
BBM63	Principles of Marketing	4
BBM64	Personal Management	4
BBM65	Project & Presentation	4
Total Credits		20



DELIVERY SYSTEM FOR ACADEMIC PROGRAMMES



Support Services through study centers:

Study centers are being set up all over the country and abroad to provide the candidates a platform to interact with counselors, other candidates and for use of the library. Candidates would be getting personal attention at these centers in addition to the hands-on-training on computers at these centers.

Program Delivery:

A multi-form of instruction has been adopted, comprising of:

1. Study material: Study material for all subjects will be in print and A/V CDs wherever necessary.
2. Counselling Sessions: Will be held at Study centers, to suit the convenience of candidates.
3. Practical Sessions: Will also be held at the study centers
4. Assignments: For assessment, evaluation and for feedback of comprehension of study material.
5. Project work: To enable the candidate to gain an insight into independent working on a practical project.

Credit System:

The University follows the 'Credit System' for its under-graduate and post-graduate programmes. Each credit entails approximately 30 hours of study comprising of all activities. Thus, a 3-credit course involves 90 study hours. This helps the candidates to understand the academic efforts one has to put in suitably to complete the course.

Instructional System:

The methodology of instruction in this Open University is different from that of the conventional Universities. The Open University

system is more learner-oriented, so much so, the candidate has to be invariably an active participant in the teaching-learning process. Most of the instructions are imparted through distance rather than face-to-face communication. The University follows a multi-channel approach for instructions suitably comprising the following:

1. Self-instructional Printed Material
2. Audio and Video Material
3. Website information
4. Face-to-face Counseling at study centers by Academic Counselors
5. Assignments
6. Field based Projects

To start with, the courses will be delivered on Internet and conventional distance education mode. In due course, it will shift more and more towards on-line interaction between teacher and the taught. Skill and dexterity will be inculcated right from the beginning through interactive computer applications.

Self Instructional Material:

Printed materials are the primary form of instructional materials. These are supplied to the candidates in the form of books, CD's or in the form of e-book. The study materials are available on the internet, study centers and in the university. The study materials would be sufficient to the extent of about 70% to 75% to write any assignment and prepare for the term-end examinations. However, candidates are strongly advised to refer to other sources and texts, suggested under each unit in order to get a comprehensive knowledge of the subject matter.

Counseling Sessions:

In distance education, face-to-face contact between the learners and their tutors/counselors is relatively less and therefore counseling is an important activity. The purpose of such a contact is to answer some of the questions and clarify doubts, which may not be possible through any other means of communication. There are experienced academic counselors at the study centers to provide counseling and guidance in the courses that are chosen for study. The candidate will be informed of the program schedule details by the study center Co-ordinators.

It should be noted that the counseling sessions would be very different from the classroom teaching or lectures. Counselling does not mean delivering lectures as in conventional teaching. Counsellors will try to help overcome academic difficulties which one may face while going through the programmes. In these sessions one must try to resolve subject based difficulties and any other related problems.

Before the candidate attends the counseling session, he/she should go through the course material and make notes of the points to be discussed. Unless the units are gone through, there may not be much to discuss. The Co-ordinator of the respective study center will make the detail schedule of the counseling session known to the candidates. Usually, at least 10% of the credit hours will be earmarked for the counseling session.

Assignments:

Assignments are an integral part of distance learning. The main purpose of assignments is to test the candidate's comprehension of the learning materials received from the University and also to help better comprehension the courses by providing feedback. The information given in the printed course materials should be sufficient for answering the assignments. However, the candidate may have to refer to other books and references given in the

course material to have a compressive knowledge of the subject. But the assignments are generally designed in such a way as to help to concentrate mainly on the printed course material with a feeling touch to other references. The candidate may also note the following points:

1. It is compulsory to submit the assignments and will not be allowed to appear for the term-end examination of a course if one does not submit the specified number of assignments in respective courses on time.
2. All assignments should be submitted to the respective study centers
3. The assignment responses should be complete in all respects. Before submission the candidate should ensure that one has answered all the questions in the assignments. Incomplete answer sheets will fetch poor grades/marks.
4. The study center has the right to reject the assignments received after due date. Hence, the candidate is advised to submit the same before the due date.
5. A copy of the valued assignments will be returned to the candidates along with the marks/grades and the written comments, which serve as a learning exercise for the candidates.
6. Two per cent (2%) of the evaluated Assignments by the Academic Counsellors will be reviewed by the University from time to time.

Practical Training:

Considerable importance is given to hands-on training on computers in this programme. A set of practical exercise for subjects which need laboratory work is available at the study centers as also on the website. Candidate needs to do this practical exercise under the guidance of their study center faculty. Major part of the contact hours at the study centers will be devoted to this laboratory work.



FEE STRUCTURE

Sl No	Course Details	Duration (in Years)	Reg Fee in Rs	Exam. Fee in Rs	Tuition Fee in Rs./Sem	Total Fee in Rs. /Sem/ year			SVT Share in Rs./Sem	KSOU Share in Rs	
						Joining Sem.	Subsequent Semesters	Subsequent Semesters		Joining Sem.	Subsequent Semesters
1.	M.Sc -Information Technology	2	500	2000	8000	10500	10000		6000	4500	4000
2.	M.Sc in Mathematics	2	500	2000	5000	7500	7000		3750	3750	3250
3.	M.Sc in Physics	2	500	2000	5000	7500	7000		3750	3750	3250
4.	M.L.I.Sc Annual	1	500	2000	8000	10500	10000		6000	4500	4000
5.	LLM	2	500	2000	8000	10500	10000		6000	4500	4000
6.	M.Tech -Information Technology	2	500	2000	9000	11500	11000		6750	4750	4250
7.	M.Tech-Mechanical Engineering	2	500	2000	15000	17500	17000		11250	6250	5750
8.	M.Tech- Electronics Engineering	2	500	2000	15000	17500	17000		11250	6250	5750
9.	M.Tech-Electrical Engineering	2	500	2000	15000	17500	17000		11250	6250	5750
10.	M.Tech-Civil Engineering	2	500	2000	15000	17500	17000		11250	6250	5750
11.	MCA	3	500	2000	8000	10500	10000		6000	4500	4000
12.	Integrated -MCA	5	500	2000	8000	10500	10000		6000	4500	4000
13.	BCA	3	500	1200	8000	9700	9200		6000	3700	3200
14.	B.Sc (Mathematics, Physics, Chemistry)	3	500	1000	6000	7500	7000		4500	3000	2500
15.	B.Sc- Information Technology	3	500	1200	8000	9700	9200		6000	3700	3200
16.	B. Tech -Electronics Engineering	4	500	1200	12500	14200	13700		9375	4825	4325
17.	B. Tech -Mechanical Engineering	4	500	1200	12500	14200	13700		9375	4825	4325
18.	B. Tech -Electrical Engineering	4	500	1200	12500	14200	13700		9375	4825	4325
19.	B. Tech - Civil Engineering	3	500	1200	12500	14200	13700		9375	4825	4325
20.	B.Tech - Computer Science	3	500	1200	12500	14200	13700		9375	4825	4325
21.	Diploma Mechanical Engineering	3	500	700	10000	11200	10700		7500	3700	3200
22.	Diploma Electrical Engineering	3	500	700	10000	11200	10700		7500	3700	3200

23.	Diploma Electronics Engineering	3	500	700	10000	11200	10700	7500	3700	3200
24.	Diploma Civil Engineering	3	500	700	10000	11200	10700	7500	3700	3200
25.	Diploma in Computer Sciences	3	500	700	10000	11200	10700	7500	3700	3200
26.	Diploma in Automobile Engineering	3	500	700	10000	11200	10700	7500	3700	3200
27.	MA-English	2	500	1500	5000/Yr	7000	6500	3750	3250	2750
28.	MA-Economics	2	500	1500	5000/Yr	7000	6500	3750	3250	2750
29.	MA-History	2	500	1500	5000/Yr	7000	6500	3750	3250	2750
30.	MA-Political Science	2	500	1500	5000/Yr	7000	6500	3750	3250	2750
31.	M.Com	2	500	1500	5000/Yr	7000	6500	3750	3250	2750
32.	MSW	2	500	1500	5000	7000	6500	3750	3250	2750
33.	M.Sc.-Tourism and catering Management	2	500	1500	5000	7000	6500	3750	3250	2750
34.	BA	3	500	1000	4000/Yr	5500	5000	3000	2500	2000
35.	BSW	3	500	1000	4500	6000	5500	3375	2625	2125
36.	B.Com	3	500	1000	4000/Yr	6000	5500	3375	2625	2125
37.	B.Sc. Hotel and Catering Management	3	500	1000	8500	10000	9500	6375	3625	3125
38.	MBA-Information System	2	500	1500	10000	12000	11500	7500	4500	4000
39.	MBA(Dual Specialization)	2	500	1500	10000	12000	11500	7500	4500	4000
40.	Executive - MBA	1	500	1500	10000	12000	11500	7500	4500	4000
41.	BBA	3	500	1000	10000	11500	11000	7500	4000	3500
42.	BBM	3	500	1000	10000	11500	11000	7500	4000	3500

Eligibility Fees NRI / Foreign Students *	One time	15000
B.P.P. Fees	One time	500
M.P.P. Fees	One time	1000

* In addition to eligibility fee NRI Student must remit the regular program fees as mentioned in the table.



EVALUATION METHODOLOGY AND GRADING SYSTEM

Evaluation System

The evaluation of subjects is based on internal assessment and term-end examination conducted by the University. The evaluation of the project work will be based on the quality of their report and students' performance in a viva-voce, divided as 50% for project work and the rest 50% for viva - voce. There will be one practical examination by the University for each lab subject. This examination will include questions on all practicals of that semester and candidate has to answer questions, which comes to him by lot. The questions may be from one or more subjects of practical conducted during the semester. The question paper will be got prepared by the University and sent to the Examination Centers. The University will also depute External Examiners to the Examination Centers for conducting the practical examination. Depending on the strength of the candidates, study centers may be clubbed for Practical Examinations and will be held at selected study centers / Examination Centers.

Examination

All Masters and PG Diploma Program	
Theory Subjects	
Internal Assessment (Based on 2 assignments)	20 marks
Term-end University Examination	80 marks
Total	100 marks
Practical	
Internal Assessment (Based on 2 assignments)	20 marks
Term-end University Examination	80 marks
Total	100 marks
Project	
Internal Assessment	50 marks
Term-end University Examination	100 marks
Total	150 marks

Results: Minimum required for Pass

1. Theory/Practical/Project – 32 out of 80 Marks
2. Term end examination: 40 out of 100 including internal assessment marks.

Grading System/Declaration of Classes	
Distinction	More than 70 percent
I Class	More than or equal to 60% but less than 70% Marks
II Class	More than or equal to 50% but less than 60% Marks
Pass	More than or equal to 40% but less than 50% Marks
All Bachelors Degree/Diploma Programs	
Theory	
Assessment (Based on 2 internal assignments)	25 marks
Term-End University Examination	75 marks
Total	100 marks
Practical	
Internal Assessment (Based on 2 tests for each Practical), (For each practical)	25 marks
Term-end University Examination (One examination for each practical in a semester)	75 marks
Total	100 marks
Project	
Internal Assessment	50 marks
Term end University Examination	100 marks
Total	150 marks

Results: Minimum required for Pass

Theory/Practical/Project - 30 out of 75 Marks in term end examination and 40 out of 100 including internal assessment marks.

Declaration of Classes		
Class	Percentage	Grade
Distinction	More than 70 percent	A
I Class	More than or equal to 60% but less than 70% Marks	B
II Class	More than or equal to 50% but less than 60% Marks	C
Pass	More than or equal to 40% but less than 50% Marks	D
Fail	Less than 40%	E



IMPORTANT INSTRUCTIONS TO THE DISTANCE LEARNERS

1. A Candidate seeking admission to any course from any stream should fill-in the Admission Form (attached to the prospectus) legibly and in capital letters after carefully reading the prospectus and indicate the programme he / she wishes to study, in the space provided for the purpose.
2. Remit the Tuition, Registration and Examination fees and penal fee (if any) in Crossed Demand Drafts (DDs), one drawn in favour of Finance Officer, KSOU, MYSORE and "Sharada Vikas Trust", payable at Bangalore as per the details given in the prospectus. Candidate should not make any cash payments to the study center under any circumstances, except for the prospectus.
3. Candidates while submitting the application form shall follow the instructions given below:
 - The application form duly filled-in should be submitted to the study center on before the last date as mentioned in the advertisement.
 - The candidates should submit four copies of stamp-size photographs of which one must be pasted to the application form in the space provided and one on identity card. The remaining two copies must be put in a separate cover and pinned to the application form. On the back of each of these photographs the candidate must mention his name, programme, semester and serial number of the application form.
 - Before remitting the prescribed fees, candidates shall make sure that they fulfill all the eligibility conditions for admission to the programme applied for. They should enclose all the supporting certificates since at a later date, they will not be entertained. The fees once remitted will not be refunded under any circumstances.
4. The candidates shall submit the filled-in application form along with the crossed DD's, identity card and certificates to the respective study center. The study center shall forward these applications to the SVT office at Bangalore, after verifying the original certificates and certifying the Xerox copies by the authorized person of the study center along with the seal of the study center. The study center shall return the original certificates as also the candidate's copy of 'Receipt for Admission Form' to the candidate and retain its copy of the receipt with them.
5. Admission made to any program is provisional till the time University finally approves it.
6. Money orders, IPO, or any other mode of payments will not be accepted. The University will not be responsible for any loss through such modes of payment.
7. Candidates are required to preserve carefully the receipt for all payments made to the University, as it is the only valid documents accepted. They may have to produce this copy at the time of obtaining examination admission tickets, marks cards or any other documents.
8. Identity card bearing permanent Roll No will be issued to every candidate after the admission is finalized by the KSOU. Till such time, the provisional list of processed applications will be sent to the respective study centers by SVT, Bangalore and also the list will be hosted on the website www.sharadavikas.com
9. In all correspondence with the University the candidates shall quote his/her application no./Roll No. and the programme applied for.
10. First semester programme fees has to be paid by quoting the application number on the back of the DDs.
For further details, Please visit www.sharadavikas.com svt@sharadavikas.com
OR
www.ksouonline.com or call 080-22440420, 41477873, 64540949 SVT, Bangalore. The study center will be the source point for all information or guidance.
11. SVT is the service provider. For all legal disputes, SVT is liable.
12. SVT will issue ID card under the signature of the authorized person of the University.



UNIVERSITY RULES & REGULATIONS

Candidates shall abide by the Rules and Regulations in force as well as those that may be issued by the University from time to time.

1. False declaration of qualification by the candidate will disqualify his/her admission to the university including appropriate penal action.
2. All legal disputes, if any, shall come under the jurisdiction of Bangalore City Court(s) only.
3. This prospectus provides all necessary information that you need as a candidate of the various Courses of the University. You are therefore advised to keep this prospectus till you complete your course. Avoid unnecessary queries about the details already available in this prospectus.
4. To receive the Degree Certificate after passing the examination, the candidate should apply directly to The Registrar (Examination), Karnataka State Open University, Mysore 570006 in the prescribed Convocation form. Other details may be obtained from the University after the press notification about the convocation.
5. Provisional Pass Certificate will be issued by The Registrar (Examination) on request with his/her details including Xerox copies of marks cards and on payment of prescribed fee of Rs.200/- through DD drawn in favour of Finance Officer, KSOU, Payable at Mysore, soon after the declaration of results by the University.
6. If the original Identity Card is lost, duplicate Identity Card may be obtained from the office of the Deputy Registrar (Admission) on payment of Rs.100/-through DD drawn in favour of Finance Officer, KSOU, and Payable at Mysore.
7. Any change of address should be intimated to the University and SVT Bangalore. Kindly note that any change of address in the middle of the academic year may cause serious delay or loss in the postal transit.
8. Original Certificate of the candidates will initially be verified by the study centers and later by SVT Bangalore representatives at a place & time specified by KSOU, in due course.
9. Changes/updation in the syllabus can be done by KSOU periodically as per the industry demands and to keep abreast of the various technological developments that have taken place.
10. The candidate has to register for all the subjects of a semester to which the candidate is eligible at the beginning of each semester according to the scheduled dates.
11. The candidate is permitted to register for the next higher semester after completion of a semester course, irrespective of the results in his previous semesters papers.
12. The candidate can continue to register for higher semesters in a similar way along with his registration in failed subjects of earlier semesters for that degree.
13. The candidate has to complete the degree programme within twice the duration of the academic programme for that qualification.
14. The fee for appearing in the University examination will be as per guidelines communicated to the Study centers by KSOU which is collected along with the fees while registering for a semester.



NEWS AND

EVENTS

Sharada Vikas Institute of Technology/Management Studies, affiliated to Bangalore University and approved by the Government of Karnataka is a non profit academic Institution committed to educational services and other allied social activities. The college offers education at various levels, from Undergraduate to Post Graduate Programmes. SVT also has a Pre-University college, approved by Govt. Karnataka.



Sharada Vikas PU College

(Approved by Govt. of Karnataka)

Sharada Vikas Institute of Technology and Management Studies

(Affiliated to Bangalore University)

324/545 Flyover Pillar No.50 Garvebhavipalya
Hosur Road, Bengaluru - 560068.
www.sharadavikas.com / www.svitms.com

ADMISSIONS OPEN FOR 2011-12

Courses offered

PUC: (Science)
(Commerce)

PCMB, PCMCs
EBACs

DEGREE:

B.A.,
(Economics, Statistics, Marketing)
B.Sc., (Computer Science)
B.Com, BBM
BCA, PGDM

SVT is partnered with two reputed Govt. Universities to offer programs in UG, PG, Diploma and Certificate programs in the areas of Technical, Management & Engineering disciplines all over India and abroad.

- **Karnataka State Open University**
- **Karnataka State Women's University**

Sharada Vikas Trust has Signed a Memorandum with Metropolitan South Institute of Tafe, Queensland Australia to Offer Programmes in Information Technology & Communication, International Business and Hospitality.

KSOU CAMPUS - MANASAGANGOTRI, MYSORE



SIGNING CEREMONY OF MOU BETWEEN KSOU & SVT



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PROSPECTUS

2013-2014

IT and Communication | Engineering and Technology | Management | Hospitality | Multimedia | General

Vision

To be recognised as a successful academic institution in the areas of technology and management for delivery of high quality knowledge services. To offer advanced empowering technologies to students around the world.

Mission

Prepare the next generations of skilled and ethical professionals by providing excellent professional education that prepares one to compete in a diverse world market.

Goal

Impart excellent education to provide knowledge to anybody, anywhere at anytime.



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