KARNATAKA STATE OPEN UNIVERSITY
Manasagangotri - MYSORE

PROSPECTUS
2011-12

Empowering the Generations through flexible learning

IT and Communication
Engineering and Technology
Management
Hospitality
Multimedia
General

Karnataka State Open University

Manasagangotri, MYSORE - 570 006

Organization Structure of KSOU

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Distance 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

Dear Student

By 2020 every education and training program leading to a qualification will be available in full time, part time and through distance learning. Out of this the third option will have more relevancy. Distance education will provide whatever educational opportunities are needed by anyone, anywhere at anytime. The end result of this will be increased educational opportunities for broader segments of the population, accommodating different situations and different needs.

Karnataka State Open University (KSOU) was established in the year 1996 for the promotion of Education among all sections of society. The programs that are innovative and relevant to the society are offered with moderate cost and modern facilities. Karnataka State Open University has also programs of IGNOU, to cater to the needs of learners in various fields. Accessibility, quality, flexibility and relevance are the major strengths of KSOU, whereas creation, management and dissemination of knowledge are its main goals. In order to achieve these goals, we have established 7 Regional Centers at Bangalore, Davanagere, Dharwad, Gulbarga, Mangalore, Shimoga and Delhi, 110 UG Study Centers, 10 B.Ed study centers, 08 Special B.Ed Study Centers, 08 M.Ed Study Centers and 403 Partner Institution Study Centers. You can get the information and admission in all the Regional Centres as well as in our main campus at Mysore.

Sharada Vikas Trust® (SVT) has been in the field of education over a decade and has built it up with commitment and utmost sincerity with well-qualified personnel and infrastructure. SVT works on a principle that **'QUALITY FIRST AND STUDENTS FOREMOST'**. SVT is partnered with KSOU to offer programs in UG, PG, Diploma and certification programs in the areas of Technical, management, general and engineering disciplines. We feel these courses can be of great help to the needy students. We are happy to associate with SVT to start these courses, as they will be of utmost use to our needy students so that over years they can qualify to become good domain specialists.

The courses are specially designed so that the students go through the state-of-art subjects for the present scenario. It will be the earnest endeavor of KSOU and SVT to impart quality education together so that the out going students are better equipped comparatively. They will be supported with many study centers located in significant cities both inside and outside the country. I wish that the students take these courses with commitment and utmost sincerity. Also take good help from the committed staff of the study centers and KSOU.

Thank you very much for joining us in this endeavor of nation building through higher education with distance learning from KSOU and SVT.

Prof.K.S.Rangappa
Vice-chancellor

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 February1996 -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 over 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®

Sharada Vikas Trust(R) 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(R) is a pioneer in Higher education. Currently the trust is running Pre University and 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 is aiming at giving good and quality education at very 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 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:

Sharada Vikas 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 150 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 take this golden opportunity and be part of one of the best world class education groups to achieve success in all your endevors.

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 full fill 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 * 2. M.Tech–CE 3. M.Tech–EL 4. M.Tech–ME 5. M.Tech- EE	10+2+BE/ B.Tech /AMIE in respective domain	2	4	-
	10+2+BE/ B.Tech./M.Sc. IT/CE/EL/ME)			2nd semester
1. M.Sc–IT 2. M.Sc–ITF 3. M.Sc–NT	10+2+BE/B.Sc(IT/IS/CS/Embedded Technology)	2	4	-
MCA	10+2+B.Sc (CS/IT) or any Graduate	3	6	-
	Candidate with BCA/B.Sc. (CS/IT)	3	6	3rd Semester
	M.Sc. (CS/IT)	3	6	5th Semester
IMCA	10+2 Any Stream	5	10	-
	10+2/ Any Diploma from recognized State Technical Board	5	10	3rd Semester
BCA	10+2 Any Stream	3	6	-
	10+2/ Any Diploma from recognized State Technical Board	3	6	3rd Semester
B.Sc. (IT)	10+2 Any Stream	3	6	-
	10+2/ Any Diploma from recognized State Technical Board	3	6	3rd Semester
1. B.Tech (CE) 2. B.Tech (EL) 3. B.Tech (ME) 4. B.Tech (EE) 5. B.Tech (CS)	10+2 with Mathematics	4	8	-
	10+2/ Any Diploma from recognized State Technical Board	4	8	3rd Semester
1. DME 2. DEE 3. DEL 4. DCE 5. DCS	10th or 10+2 or any equivalent qualification	3	6	-
	10TH / 10+2 / 2 Year ITI from recognized State Technical Board in respective domain			3rd Semester
1. DIM 2. DIDFM	10+2 / or its equivalent	1	2	-
1. CWD 2. CDI	10th Pass	6 months	1	-

* 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.

GENERAL PROGRAMS

MA/M.Com/MSW/MTHM/MA.Ed/BA/BSW/B.Com/BSc-FD/BFA/BHCM/ Diploma courses

Program	Eligibility	Duration (Years)	Sems.
MA: 1. English 2. Economics 3. History 4. Political Science 5. Women's Studies	10+2+3	2	-
	10+2 and 21 years as on date of admission and must pass the MPP examination conducted by the University	2	-
M.Com	10+2+Graduation in (B.Com/BBA/BBA-FM/ BBM)	2	-
	10+2 and 21 years completed on the date of admission with commerce subjects in 10+2 and must pass the MPP examination conducted by the University	2	-
MSW	10+2+ BSW/ or any Graduate	2	4
MA.Ed	10+2+3+B.Ed.	2	4
MTHM	10+2+3 / BHCM	2	4
BA	10+2 OR 10th pass and completed 18 Years and must pass BPP examination conducted by the University	3	-
BSW	10+2 / or its equivalent	3	6
B.Com	10+2 OR 10th pass and completed 18 Years and must pass BPP examination conducted by the University	3	-
B.Sc-FD (Fashion Designing)	10+2 / or its equivalent	3	6
BFA (Fine Arts)	10+2 / or its equivalent	3	6
BHCM	10+2 / or its equivalent	3	6
DEC (Effective Communications)	10+2 / or its equivalent	1	2
DESD	10+2 / or its equivalent	1	2
DHM	10+2 / or its equivalent	1	2
DEM	10+2 / or its equivalent	1	2
DNTT	10+2 / or its equivalent	1	-
DJA	10+2 / or its equivalent	1	2
DRD	10+2 / or its equivalent	1	2
DCS	10+2 / or its equivalent	1	2

Management Programs

MBA/EMBA/BBAG/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. Insurance & Banking Management	Any Graduate with Diploma or PG diploma in concerned stream of Management Subjects/ of having less than three years of work experience is eligible to get admission to Second Semester of MBA	2	4	2nd Semester
5. Operation Management				
6. Hospitality Management				
7. Retail Management				
8. Project Management				
Executive MBA				
1. EMBA - HR Management	Any Graduate Working in a responsible position with three years of managerial Experience

Diploma holders (10+3) of recognized University with 5 years post qualification work experience as manager/ supervisor.
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 firms/Legal adviser at any corporate organization.

Ref: No.KSOU. Dean(AC) /2852/07/2010-11 Dated 24/12/2010. | 1 | 2 | - |
2. EMBA -Finance Management				
3. EMBA- IT Management				
4. EMBA - Insurance & Banking Management				
5. EMBA - Marketing Management				
6. EMBA -Retail Management				
7. EMBA –Operations Management				
8. EMBA –Hospitality Management				
9. EMBA –Infrastructure Management				
10. EMBA –International Business				
11. EMBA -Project Management				
Graduate Programs				
1. BBAG	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
MTECHIT11	Interactive Computer Graphics	4
MTECHIT12	Advanced Computer Architecture	4
MTECHIT13	Algorithm Analysis and Design	4
MTECHIT14	Advanced DBMS	4
	Total Credits	16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHIT21	OO Software Engg. with UML	4
MTECHIT22	AI and Neural Networks	4
MTECHIT23	Elective Paper I	4
MTECHIT24	Elective Paper II	4
	Total Credits	16

SEMESTER III

Sub. Code	Subjects	Credits
MTECHIT31	Elective Paper III	4
MTECHIT32	Elective Paper IV	4
MTECHIT33	Dissertation - Part I	8
	Total Credits	16

SEMESTER IV

Sub. Code	Subjects	Credits
MTECHIT41	Dissertation - Part II	16
	Total Credits	16

ELECTIVES FOR M.TECH (IT)
GROUP A

Sub. Code	Subjects	Credits
MTECHIT23A	Automata	4
MTECHIT24A	Parallel Computing	4
MTECHIT31A	Logic and Functional Programming	4
MTECHIT32A	Natural Language Processing	4
	Total Credits	16

GROUP B

Sub. Code	Subjects	Credits
MTECHIT23B	Embedded System	4
MTECHIT24B	VLSI Design	4
MTECHIT31B	Simulation and Modeling	4
MTECHIT32B	Compiler Design	4
	Total Credits	16

GROUP C

Sub. Code	Subjects	Credits
MTECHIT23C	E-Commerce, M-Commerce and Network Security	4
MTECHIT24C	Network Programming	4
MTECHIT31C	Wireless and Mobile Networks	4
MTECHIT32C	ERP and CRM	4
	Total Credits	16

GROUP D

Sub. Code	Subjects	Credits
MTECHIT23D	Multimedia Systems	4
MTECHIT24D	Document Analysis and Pattern Recognition	4
MTECHIT31D	Intelligent Databases	4
MTECHIT32D	Biometrics	4
	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	4
MTECHCE15	Lab - Behaviour & Design of Reinforced Concrete Structure	1
	Total Credits	16

SEMESTER II

Sub. Code	Subjects	Credits
MTECHCE21	Advanced Structural Analysis	3
MTECHCE22	Geotechnical Engineering	4
MTECHCE23	Finite Element Method in Engg.	4
MTECHCE24	Highway Engineering	4
MTECHCE25	Lab - Advanced Structural Analysis	1
	Total Credits	16