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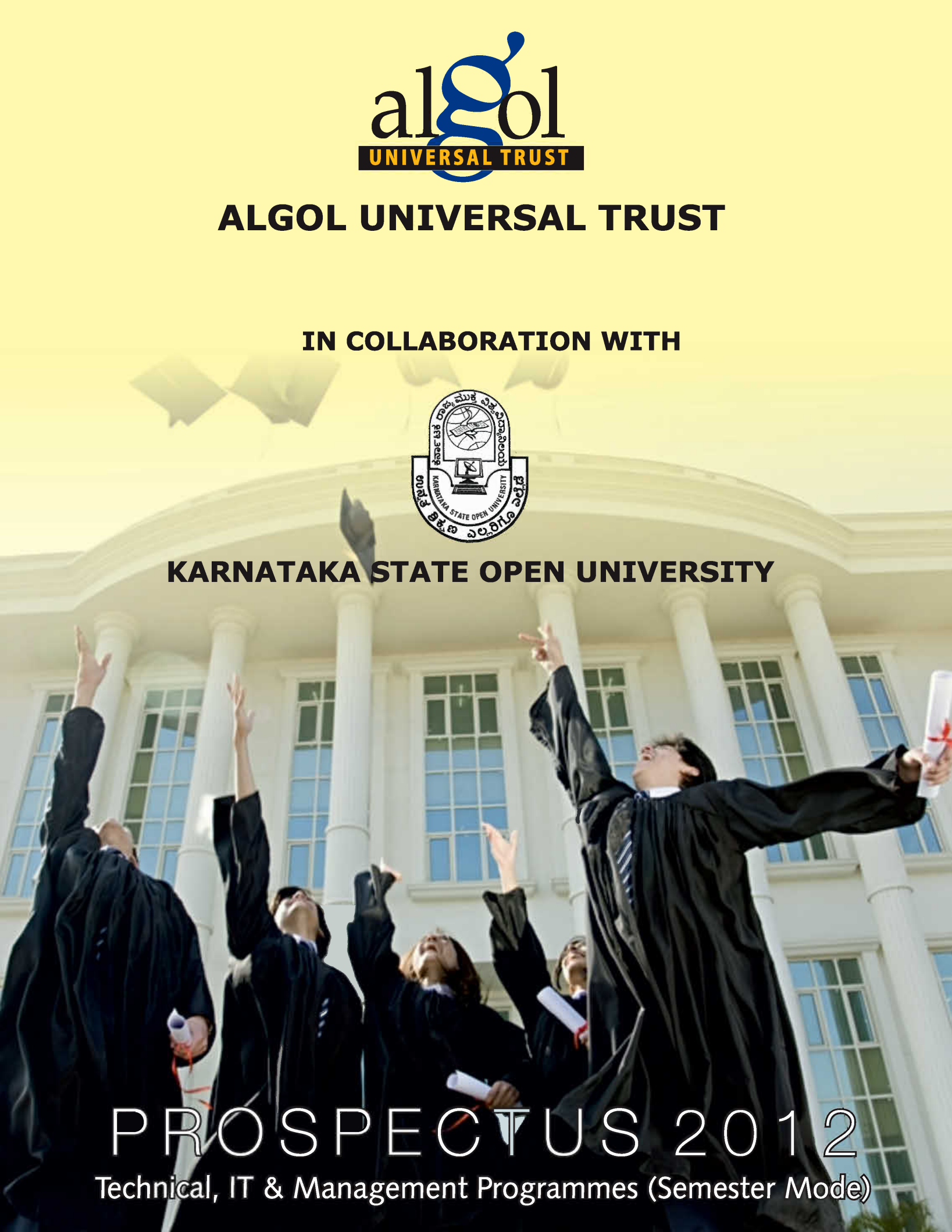
UNIVERSAL TRUST

ALGOL UNIVERSAL TRUST

IN COLLABORATION WITH

KARNATAKA STATE OPEN UNIVERSITY



PROSPECTUS 2012

Technical, IT & Management Programmes (Semester Mode)

The Organization Structure

Chancellor
Shri Hans Raj Bhardwaj
His Excellency Governor of Karnataka

Vice - Chancellor
Prof. K. S. Rangappa

Registrar
Shri. B.S. Vishwanath

Dean (Academic)
Prof. S.N. Vikram Raj Urs

Dean (Study Centres)
Prof. T. D. Deve Gowda

Sri. H. L. Vishwanath
Deputy Registrar (General)

Dr. M. Ramanatham Naidu
Deputy Registrar (Study Centres)

Registrar (Evaluation)
Prof. R. Somappa

Officials/Telephone & Fax

Office/Officials	Telephone&Fax	Office/Officials	Telephone&Fax
Vice Chancellor's office	Tel : 0821 - 2515149 Fax : 0821 – 2500846	Administrative Branch Registrar	Tel : 0821 - 2512471 Fax : 0821– 2500847
Academic Section Dean (Academic)	Tel: 0821 - 2519947 Fax : 0821 – 2500845	Finance Branch Finance Officer	Tel : 0821 – 2510772
Examination Branch Registrar (Examination)	Tel : 0821 - 2519942 Fax : 0821 – 2500848	Information & Guidance Cell	Tel : 0821 – 2500871
Deputy Registrar (Examination)	Tel : 0821 – 2500983		
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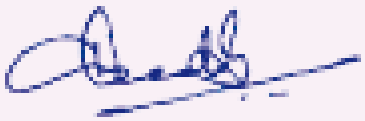
Vice-Chancellor's Message

Dear Student,

Greeting from Karnataka State Open University!!! I welcome you to the family of students in Karnataka State Open University (KSOU), which was established in the year 1996 for the promotion of Education among all section of society. Without the constraints of space and time, Karnataka State Open University has established its quality and has reached the remote parts of Karnataka and beyond. As inscribed in its motto "Higher Education to All, Everywhere" the university has set itself an objective to reach the doorsteps of aspiring students in every nook and corner of not only the state, but throughout the country and abroad. 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 students 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. Flexible mode to teaching represents a major element of our programs. In order to achieve these goals, we have established 7 Regional Centres at Bangalore, Davanagere, Dharwad, Gulbarga, Mangalore, Shimoga and Delhi, 110 UG Study Centres, 10 B.Ed Study Centres, 08 Special B.Ed. Study Centres, 08 M.Ed. Study Centres and 403 Partner Institution Study Centres. Contact Programs are conducted regularly with the involvement of experienced staff and expertise in the concerned fields is tapped for the benefit of the students, periodically. We are proud to announce that the last year the enrollment was more than 1,00,000.

KSOU aims to be India's most progressive university. We strive to produce highly employable graduates of highest possible quality in areas of strategic importance. Since, we posses rich heritage knowledge and are reaching our boundaries of global knowledge, local knowledge and global information, we should join together and technology should be the tool as well as the means for this kind of exploration. As a student of KSOU, you can study at your place with the best self study materials and efficient media support. In both its teaching and research the University has forged strong links with the government, with business, industry and professions.

On behalf of the university, I invite your participation, in realizing a dream of making this Nation, a knowledge intensive society. I wish you all the best in your pursuit of excellence in higher education!!!
Sincerely Yours,



Prof.K.S. Rangappa
With best wishes for your career,

About The University

Introduction: The Karnataka State Open University was established on 1st June 1996 vide Karnataka Govt,. Notification No. ED 1 UOV 95 dated 12th February 1996, KSOU Act 1992, keeping in view the educational needs of our country in general and the Karnataka State, in particular. It is the Eighth Open University in the country. The University is an erstwhile Institute of Correspondence Courses of Mysore University and enjoys a unique priviliege of a long and rich experience in the field of Distance Education. It is also a member of the Association of Indian Universities (AIU) as well as Commonwealth Universities Association. It is recognized by Distance Education Council (DEC), Ministry of HRD, Government of India. All academic programmes are approved by DEC, New Delhi.

Objectives of Karnataka State Open University

a) Democratizing higher education by taking it to the doorsteps of the learners.

b) Providing access to high-quality education to all those who seek it, irrespective of age, region or formal qualifications.

c) Offering need-based academic programmes by giving professional and vocational orientation to the courses.

d) Promoting and developing distance education in India.

e) Relaxed entry regulations.

f) Providing opportunity to study at ones own pace and convenience.

g) Flexibility in choosing the combination of courses from a wide range of disciplines.

h) To help candidates to select the study centers, preferably of their own choice.

Special Features: The open learning System is a unique and challenging mode of education offered at the university level. This system provides ample opportunities for those who desire to have University Education at their place of work or residence. 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:

a) Candidates who discontinue their formal education owing to pecuniary or other circumstances.

b) Candidates residing in geographically remote areas.

c) Candidate who cannot get admission to a regular college/ Post-graduate Department.

d) Employed persons who cannot pursue their study as full-time Candidates.

e) Individuals who wish to pursue learning for knowledge sake.

f) Candidates who wish to update knowledge and skills.

Recognitions

The Karnataka State Open University has been recognized by the following well-known organization

1. The Distance Education Council (DEC) New Delhi,
2. Regular member of the Association of Indian Universities (AIU), Delhi,
3. Permanent member of Association of Commonwealth Universities (ACU) London UK,
4. Asian Association of Open Universities (AAOU), Beijing, China,
5. And also has association with Commonwealth of Learning (COL).

National – International Recognition

- Karnataka State Open University (KSOU) was established on 1st June 1996 with the assent of His Excellency Honorable Governor of Karnataka as a full fledged University in the academic year 1996 vide Government notification no ED 1 UOV 95 dated 12th February 1996 (KSOU Act – 1992). The Act was promulgated with the object to incorporate an Open University at the State level for the introduction and promotion of Open University and Distance Education systems in the education pattern of the State and for the Co-ordination and determination of standard of such systems.
- With the virtue of KSOU Act of 1992, Karnataka State Open University is empowered to establish, maintain or recognize Colleges, Regional Centers and Study Centers at such places in Karnataka and may also open 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 Heads of Government to encourage the development and sharing of open learning / distance education knowledge, resources and technologies.

About Algol Universal Trust

Algol Universal trust was established in the year 2008 , Algol Universal Trust (AUT) operates in the area of all modes of education , be it regular , distance , correspondence or online mode.

Algol Universal Trust manages Algol School of Management and Technology (ASMT) , an International standard campus located on 23 acres of land centrally located in Gurgaon , NCR , Haryana , ASMT Gurgaon offers Industry oriented regular programmes in the area of IT , Management , Engineering and Education . Sprawling campus. The total campus strength is approximately 2000 students.

Algol Universal Trust manages Birmingham Professional College in Birmingham City in UK offering world class programmes in IT and Management .

Algol Universal has entered into agreements with various Indian Universities in the area of distance education as well as other allied services to the Universities such as content development in emerging areas programmes such as Bio Informatics , Bio Technology ,Nuclear Physics and many more . In addition Algol Universal Trust also offers services to general public in the area.

- Ranking of Higher education Institution.
- Databases & directories of education institutions.
- Research & development in Industry and education.
- On the job Training (OJT) and Placement in Industry.

Algol Universal Trust has also entered into strategic agreements with several World class Universities in the area of programme development, student exchange and Faculty exchange etc.

Algol and its associate companies and Trusts manage 600 study centres in India and abroad offering qualitative distance education.

Algol Universal Trust is the partner Institution of Esteemed Karnataka State Open University ,Mysore offering certificate , diploma and UG , PG degree programmes in the area of IT , Management , Engineering , Traditional and Paramedical streams.

Academic System for the Courses

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:

a) **Print material:** Study material for all subjects, which are supplied in the form of books
b) **Counseling Sessions:** Will be held at Study centers, to suit the convenience of candidates.
c) **Practical Sessions:** Will also be held at the study centers
d) **Assignments:** For assessment, evaluation and for feedback of comprehension of study material.
e) **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.

Face to Face Program: Experiments , practical , labs and workshop intensive programmes such as Engineering are not conducive through distance education mode , hence face to face mode is introduced where a student has an opportunity to complete the theory contents of the subjects in the class rooms of the study centers through competent faculties during flexi hours or in part time mode and practical , labs , experiments and workshop assignments are completed in an Institution having the required Infrastructure For Example – An AICTE approved Engineering college or an Engineering polytechnic with whom the local study centre has an arrangement for the completion of practical content.
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. The University follows a multi-channel approach for instructions suitably comprising of the following:

a) Self-instructional Printed Material
b) Audio and Video
c) Website information
d) Face-to-face Counseling at study centers by Academic Counselors
e) Assignments
f) Field based Projects

To start with, the courses will be delivered on Internet, conventional distance education mode and face to face 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 though 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 booklets. Therefore, candidates have to relay mainly upon the printed materials, which are sent to them through the study centers. The printed 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 Coordinators.

It should be noted that the counseling sessions would be very different from the classroom teaching or lectures. Counseling does not mean delivering lectures as in conventional teaching. Counselors 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 Coordinators 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 comprehensive 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 fleeting touch to other references. The candidate may also note the following points:

a) 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.

b) All assignments should be submitted to the respective study centers

c) 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.

d) 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.

d) 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.

f) Two per cent (2%) of the evaluated Assignments by the Academic Counselors will be reviewed by the University from time to time.

Practical Training: Considerable importance is given to hands-on training on computers in this program. 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.

Grading System

Letter Grade (%)	Qualitative level	Point Grade	Percent
A	Excellent	5	80% & above
B	Very Good	4	79 %
C	Good	3	54-64 %
D	Satisfactory	2	40-54 %
E	Unsatisfactory	1	Below 40 %

Class declaration

- 80% and above - Distinction
- 64% and above but below 79% - First Class
- 54% and above but below 64% - Second Class
- 40% and above but below 54% - Third Class
- Less than 40 % - Fail

Evaluation System and Pattern of Examination

Internal and External Evaluation – Each Candidate shall be examined and evaluated internally by the study center and externally by the University in the ratio of 25:75 for undergraduate programmes and 20:80 for post gradate programmes respectively with the mandatory condition of passing in each internal as well as external evaluation with minimum of 40% marks independently.

Pattern of Examination

Theory Papers

The pattern of question paper for all university Theory Examinations will consist of two parts. Part-1 will be compulsory with objectives/short question type for 25/30 marks. Part-ll will have choice and will be for 50 marks. The total will be for 75 /80 marks according to the course .

Practical Examinations

Regarding Practical Examination, the examination will include questions on all practical of that semester and candidate has to do a question which comes to him by lot. The question may be from one or more subjects of practical conducted during the semester. The question paper will be set by the University and sent to the Examination Centers. The University will also depute External Examiners to Examination Centers for conducting practical. Depending on the strength of the candidates, Study Centers may be clubbed and Practical Examinations will be held at selected Study Centers.

Project Work

Evaluation of Project Work will be carried by University appointed examiners, which may be based on any or all of the following aspects

1) Demonstration & Presentation of Project Work by the candidate.
2) Viva-Voice examination.
3) Evaluation of content of the Project Work.
4) Review of Project Progress Report submitted to Study Center/AUT/KSOU.

Comprehensive list of courses

Face to Face programme

S.No	Course Code	Name of Course	Eligibility	Minimum Duration	Maximum Duration	Total No. of Credits	Course Fees
1	MTCS	M.Tech in Computer Science	B.Tech/B.E in Relevant subject/MCA/MSCIT/ M.Sc. CS	4 Sem.	8 sem	72	15000
2	MTTE	M.Tech in Telecom	B.Tech /B.E in Relevant subject	4 Sem.	8 Sem.	72	15000
3	MTEC	M.Tech in Electronics & Telecommunication	B.Tech/B.E in Relevant subject/ M.Sc Electronic & Communication/M.Sc Physics/M.Sc Electrical	4 Sem.	8 Sem.	72	15000
4	MTME	M.Tech in Mechanical	B.Tech /B.E in Relevant subject	4 Sem.	8 Sem.	72	15,000
5	MTCE	M.Tech in Civil	B.Tech /B.E in Relevant subject	4 Sem.	8 Sem.	72	15,000
6	MTEE	M.Tech in Electrical	B.Tech /B.E in Relevant Trade /M.Sc Electronic & Communication/M.sc Electrical/ M.se Physics	4 Sem.	8 Sem.	72	15,000
7	MTCH	M.Tech in Chemical	B.Tech/B.E in Relevant subject/ M.Sc Chemistry	4 Sem.	8 Sem.	72	15,000
8	MTMH	M.Tech in Mathematics	B.Tech/B.E/M.Sc Math	4 Sem.	8 Sem.	72	15,000
9	MTPH	M.Tech in Physics	B.Tech /B.E/M.Sc Physics	4 Sem.	8 Sem.	72	15,000
10	MTIT	M.Tech - IT	BE/B.Tech/AMIE in any discipline or MCA/MSC(CS/ IT),MSC(IT)/MCM or MSC with mathematics as major ,DOEACC 'B' level	4 Sem.	8 Sem.	72	9000
11	BTCH	B.Tech - Chemical	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
12	BTCE	B.Tech - Civil	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
13	BTEE	B.Tech - Electrical	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
14	BTCS	B.Tech - Computer Science	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
15	BTET	B.Tech - Electronics and Telecommunication	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
16	BTME	B.Tech in Mechanical	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
17	BTAE	B.Tech - Aeronautics	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
18	BTIT	B.Tech - IT	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
19	BTAT	B.Tech - Automobile	10+2(PCM)	8 Sem.	16 Sem.	144	12,500
20	DME	Diploma in Mechanical Engineering	10th with maths	6 Sem.	12 Sem.	99	10,000
21	DEE	Diploma in Electrical Engineering	10th with maths	6 Sem.	12 Sem.	99	10,000

22	DECE	Diploma in Electronics & Communication Engineering	10th with maths	6 Sem.	12 Sem.	99	10,000
23	DCE	Diploma in Civil Engineering	10th with maths	6 Sem.	12 Sem.	99	10,000
24	DCS	Diploma in Computer Science	10th with maths	6 Sem.	12 Sem.	99	10,000
25	DAE	Diploma in Automobile	10th with maths	6 Sem.	12 Sem.	99	10,000
26	DCH	Diploma in Chemical	10th with maths	6 Sem.	12 sem.	99	10,000
27	CFS	Certificate in Fire Safety	10th Standard or Equivalent	1 Sem.	2 Sem.	20	5000
28	DFS	Diploma in Fire safety	10+2	2sem	4sem	40	6000
29	ADFS	Advance Diploma in Fire Safety	10+2	4 sem	8 sem	80	6500

Courses in Face to Face mode as well Distance Mode

S. No	Course code	Course Name	Eligibility	Minimum. Duration	Maximum Duration	Credits	Face to face mode Course fees	Distance mode Course fees
1	MBA	MBA	Graduation	4 sem	8sem	125	10000	10000
2	Ex - MBA	Executive MBA	Graduation +3 yrs work Experience/ Diploma 3 years+5 year work Experience	2 sem	4 sem	92	10000	10000
3.	BBA	Bachelor in Business Administration	10+2	6 sem	12 sem	100	10000	10000
4	MCA	MCA	Graduation	6 sem	12 sem	108	8000	8000
5	MSCIT	M.Sc IT	Graduation	4 sem	8 sem	73	8000	8000
6	MSCS	M.Sc in Computer Science	Graduation	4 sem	8 sem	73	8000	8000
7	MSMH	M.Sc Math	B.A Math/B.Sc Math	4 sem	8 sem	80	5000	5000
8	BCA	BCA	10+2	6 sem	12 sem	100	8000	8000
9	BSIT	B.Sc –IT	10+2	6 sem	12 sem	100	8000	8000
10	BSCS	B.Sc in Computer Science	10+2	6 sem	12 sem	100	6000	6000
11	PGDCA	PGD in Computer Application	Graduation	2 sem	4 sem	40	7500	7500
12	DCA	Diploma in Computer Application	10+2	2 sem	4 sem	40	5000	5000
13	DHNCA	Diploma in Hardware and Networking	10+2	2sem	4sem	40	5000	5000

14	CCA	Certificate in Computer Application	10th Standard or Equivalent	1 sem	2sem	20	4000	4000
15	DHM	Diploma in Hotel Management	10+2	2 sem	4 sem	40	6000	6000
16	NTT	Nursery Teacher Training	10th or Equivalent	2sem	4sem	40	4500	4500
17	CFS	Certificate in Fire Safety	10th or Equivalent	1 sem	2 sem	20	5000	5000
18	LLM	LLM	LLB	4 Sem	8 Sem	80	8000	8000

Examination Fee

S.NO	Course Fees	Examination Fees	
1	M.Tech (all stream)	2000	Per Semester
2	B.Tech (all stream)	1200	Per Semester
3	Diploma (all stream)	1200	Per Semester
4	MBA	2000	Per Semester
5	Ex-Mba	2000	Per Semester
6	BBA	1200	Per Semester
7	Master In Computer Application	2000	Per Semester
8	Msc It/Cs	2000	Per Semester
9	Bachelor In Computer Application	1200	Per Semester
10	Bsc It/Cs	1200	Per Semester
11	Pgd In Computer Application (Pgdca)	2000	Per Semester
12	Diploma In Computer Application	1200	Per Semester
13	Diploma In Hardware And Networking	1200	Per Semester
14	Certificate In Computer Application	600	Per Semester
15	Nursery Tearchers Trainning	700	Per Semester
16	Diploma In Hotel Management	700	Per Semester
17	Advance Diploma In Fire Safety	700	Per Semester
18	Certificate In Fire Safety	600	Per Semester
19	LLM	1500	Per Semester
20	Msc Maths	1500	Per Semester

Fee other than course fee

1	Registration Fee one time	500/-
2	Eligibility fee (NRI / Foreign students)	15,000/-
3	Penal Fee	200/-

All KSOU fees to be paid(i.e 25%) in DD favour of Finance officer, KSOU payable at Mysore.All Algol Universal trust fees to be paid (i.e 75%) in DD favour of Algol universal trust payable at New Delhi.

Lateral Entry Programmes and respective Eligibility :
Lateral Entry to the following programmes is available subject to the mentioned eligibility conditions :

Sr. No.	Name of Course	Lateral Entry	Eligibility
1.	Diploma Engineering	3rd Sem	10+2(PCM)/I.T.I / 2 years Vocational Course. Revelent subject / 3 year Apprenticeship.
2.	B.Tech	3rd Sem	10th with 3 year Diploma in any branch of Engineering from state/central Govt. recognized Technical Board /Institution / University . OR B. Sc. In any stream with subject as mathematics shall be allowed .
3.	BBA	3rd Sem	10+2 + 1 year Diploma in Business Administration
4.	BCA/B.Sc IT/B.Sc SC	3rd Sem	10 + 2 + 1 year Computer Application / 10+3 year Polytechnic Diploma + 6 month computer Application.
5.	MCA	3rd Sem	Graduation with computers /BCA/BE/B.Tech /BSc. + 1 year PG Diploma in Computer Application or DOEACC 'A' level or B.E (C.S/IT)
6.	MCA	5th Sem	M.Sc - CS/IT or 2 Yrs ADIT from any recognized University
7.	M.Sc-IT/M.Sc	3rd Sem	Graduation + 1 year PG Diploma in Computer Application or Equivalent OR Graduation + 'A'or 'o' Level from DOEACC OR B.E/B.Tech in (C.S/IT) or MCA
8.	Advance Diploma in Fire Safety	3rd Sem	10+2 + Diploma in Fire Safety

Credit System for students from other universities

The student who is doing similar courses from a recognized University/Board of Education will be allowed to join the next semester for the same course but in such case the student shall be appearing for the papers which were not covered in the previous semester or the deficient papers

The student seeking admission in the next semester from the other University shall pay the course Fee not later than the Date announced in the particular Academic Year. Details of the payment of fee may be obtained from the respective study centers or from the University directly.

Programme Structure

M. Tech in Computer

Course Name: M.Tech in Computer

Duration of Course: 2 Years

Eligibility: B.Tech/B.E in Relevant subject / M.Sc CS / M.Sc IT / MCA

First Semester

Code	Subject	Credits
MFCO1	Data Structures Object Representation	4
MFCO2	Advanced Computer System Architecture	4
MFCO3	Design and Analysis of Algorithm	3
MFCO4	Pattern Recognition and Application	3
MFCO1P	Data Structure and Object Representation Prac.	2
	Total Credits	**16**

Second Semester

Code	Subject	Credits
MFCO5	Advanced Operating System	4
MFCO6	Computer Communications Network	4
MFCO7	Neural Network and applications	3
MFCO8	Parallel Processing	3
MFCO6P	Computer Comm. Network Practical	2
	Total Credits	**16**

Third Semester

Code	Subject	Credits
MSCO1	Automation Engineering	4
MSCO2	Mobile Computing	4
MSCO3	Fuzzy Set Theory & Application	3
MSCO4	Design Principles of Language Translator	3
MSCO2P	Mobile Computing Practical	2
	Total Credits	**16**

Fourth Semester

Specialization		
Multimedia		**Credit**
MSMM01	Interactive Multimedia	4
MSMM02	Web Programming	4
MSMM03	Programming Microsoft ASP.NET	4
MS04	Project	12
Object Oriented Software Development		
MSDB01	Java 2 Programming	4
MDBN02	Oracle 9i database	4

MSDB03	Database Design Development and Deployment	4
MS04	Project	12
VLSI Design		
MSVD01	Embedded System Design	4
MSVD02	Digital VLSI Design	4
MSVD03	Verilog Hardware Description Language	4
MSVD04	Project	12
	Total Credit per specialization	**24**

M. Tech in Telecom

Course Name: M.Tech in Telecom

Duration of Course: 2 years

Eligibility: BTech / B.E in relevant subject

Semester 1st

Code	Subject	Credit
MFTE1	Distributed Computing	4
MFTE2	Electromagnetic Theory	4
MFTE3	Advanced Circuits and Systems	4
MFTE4	Telecommunication Switching	4
	Total Credits	**16**

Semester 2nd

Code	Subject	Credit
MFTE5	Computational Intelligence	4
MFTE6	Advanced Digital Signal Processing	4
MFTE7	Advanced Instrumentation and System Design	4
MFTE8	Embedded and Real-Time Systems	4
	Total Credits	**16**

Semester 3rd

Code	Subject	Credit
MSTE1	Digital Communication Network	4
MSTE2	Electronic and Photonic Devices and Components	4
MSTE3	Microelectronics Technology	4
MSTE4	Micro and Nanoelectromechanical Systems	4
	Total Credits	**16**

Semester 4th

Code	Subject	Credit
MSTE5	Advanced Digital Integrated Circuit Design	3
MSTE6	Quantum and Nanoelectronic Devices and Systems	3
MSTE7	VLSI Architecture and Design Methodologies	3
MSTE8	Advanced Digital Control Systems	3
	Project	12
	Total Credits	**24**

M. Tech in Electronics & Telecommunication

Course Name: M.Tech in Electronics and Telecommunication

Duration of Course: 2 Years

Eligibility: B.Tech/B.E in Relevant subject / M.Sc Electronic Communication / M.Sc Physics / M.Sc Electrical

First Semester

Code	Subject	Credits
MFET1	Semiconductor Devices and Modelling	4
MFET2	VLSI Technology and Process Modeling	4
MFET3	Modern Digital Communication Technology	3
MFET4	Digital Voice and Picture Communication	3
MFET1P	Semiconductor Devices and Modelling Practical	2
	Total Credits	**16**

Second Semester

Code	Subjects	Credits
MFET5	Solid State Circuits	4
MFET6	Digital Circuits & Systems	4
MFET7	Optimal Control	3
MFET8	Satellite Communication System	3
MFET6P	Digital Circuits & Systems Practical	2
	Total Credits	**16**

Third Semester

Code	Subject	Credits
MSET1	Digital Signal Processing	4
MSET2	Digital Image Processing	4
MSET3	Optical Communication Systems	3
MSET4	Telecommunication Switching and Network	3
MSET4P	Telecomm. Switching and Network Practical	2
	Total Credits	**16**

Fourth Semester

Specialization		
Communication System		**Credit**
MSCS01	Communication System	4
MSCS02	Radar System	4
MSCS03	Wireless Communication	4

MS04	Project	12
Control & Instrumentation		
MSCI01	Industrial Instrumentation and control	4
MSCI02	Digital Control and state variable methods	4
MSCI03	Electronic Instruments and Systems	4
MS04	Project	12
Digital VLSI Design		
MSVD01	Embedded System Design	4
MSVD02	Digital VLSI Design	4
MSVD03	Verilog Hardware Description Language	4
MSVD04	Project	12
Microwave & Optical Communication		
MSMOC01	Microwave	4
MSMOC02	Optical Electronics and Fiber Optics Communications	4
MSMOC03	Communication System	4
MS04	Project	12
Multimedia		
MSMM01	Interactive Multimedia	4
MSMM02	Web Programming	4
MSMM03	Programming Microsoft ASP.NET	4
MS04	Project	12
Power System		
MSPE01	Electrical Power System Design	4
MSPE02	Power System Analysis and Dynamics	4
MSPE03	Power System Reliability	4
MSPE04	Project	12
VLSI Design and Embedded System		
MSVD01	Embedded System Design	4
MSVD02	Digital VLSI Design	4
MSVD03	Verilog Hardware Description Language	4
MSVD04	Project	12
Total Credits per specialization		**24**

M. Tech in Mechanical

Course Name: M.Tech in Mechanical
Duration of Course: 2 Years
Eligibility: B.Tech/B.E in Relevant subject

First Semester

Code	Subject	Credits
MFM1	Machine Vibration Analysis	4
MFM2	Advanced Mechanics of Solids	4
MFM3	Concurrent Engineering	3
MFM4	Management of Technology	3
MFM1P	Machine Vibration Analysis Practical	2
	Total Credits	**16**

Second Semester

Code	Subjects	Credits
MFM5	Applied Elasticity	4
MFM6	Finite Elements Methods in Engineering	4
MFM7	Mechanical Estimating & Costing	3
MFM8	Materials Mgmt. & Materials Handling	3
MFM7P	Mechanical Estimating & Costing Practical	2
	Total Credits	**16**

Third Semester

Code	Subject	Credits
MSM1	Jig and Fixtures Design	4
MSM2	Mechatronics	4
MSM3	Industrial Automation	3
MSM4	Quality Control and Reliability Engineering	3
MSM1P	Jig and Fixtures Design Practical	2
	Total Credits	16

Fourth Semester

Specialization		
Mechanical Design		**Credit**
MSMD01	Thermal System Design	4
MSMD02	Design of Machinery	4
MSMD03	Mechanical Engineering Design	4
MS04	Project	12

Production Technology		
MSPT01	Metal Forming Technology	4
MSPT02	Machine Tool Design	4
MSPT03	CAD/CAM	4
MS04	Project	12
Thermal Engineering		
MST01	Advanced Thermodynamics	4
MST02	Refrigeration and Air conditioning Technology	4
MST03	Steam and Gas Turbines	4
MS04	Project	12
Total Credit per specialization		**24**

M. Tech in Civil

Course Name: M.Tech in Civil
Duration of Course: 2 Years
Eligibility: B.Tech/B.E in Relevant subject

First Semester

Code	Subject	Credits
MFC1	Numerical Methods in Civil Engineering	4
MFC2	Applied Elasticity & Plasticity	4
MFC3	Behaviour & Design of reinforced Concrete Structure	3
MFC4	Pavement Material	3
MFC3P	Behaviour & Design of reinforced Concrete Structure Practical	2
	Total Credits	**16**

Second Semeste

Code	Subject	Credits
MFC5	Advanced Structural Analysis	4
MFC6	Geotechnical Engineering	4
MFC7	Finite Element Method in Engg.	3
MFC8	Highway Engineering	3
MFC5P	Advanced Structural Analysis Practical	2
	Total Credits	**16**

Third Semester

Code	Subject	Credits
MSC1	Prestressed Concrete	4
MSC2	High Rise Structures	4
MSC3	Planning & Design of Airports	3
MSC4	Transportation System Planning	3
MSC1P	Prestressed Concrete Practical	2
	Total Credits	**16**

Fourth Semester

Specialization		
Highway & Transportation Engineering		**Credit**
MSHW01	Highway Engineering Economics	4
MSHW02	Highway Engineering & Design	4
MSHW03	Highway Maintenance and Management System	4
MS04	Project	12
Hydrology & Water Resourced Engineering		
MSHWR01	Irrigation and Water Resourced Engineering	4
MSHWR02	Water Resourced System & Planning	4
MSHWR03	Hydrology	4
MS04	Project	12
Structural Engineering		
MSS01	Design of Industrial Structures & Bridges	4
MSS02	Design of Hydraulic Structures	4
MSS03	Plastic Analysis of Metallic Structures	4
MS04	Project	12
	Total Credits	**24**

M. Tech in Electrical

Course Name: M.Tech in Electricals

Duration of Course: 2 Years

Eligibility: B.Tech/B.E in Relevant Trade / M.Sc Electronic Communication / M.Sc Physics / M.Sc Electrical

First Semester

Code	Subject	Credits
MFE1	Machine Drives	4
MFE2	Power Electronic Converter	4
MFE3	Control Theory	3
MFE4	EHV Transmission	3
MFE1P	Machine Drives Practical	2
	Total Credits	**16**

Second Semester

Code	Subjects	Credits
MFE5	Electrical Engg. & Practices	**4**
MFE6	Power Electronics	**3**
MFE7	Electrical Design, Estimating & Costing	4
MFE8	Computer Aided Analysis of E.P.S.	3
MFE6P	Power Electronics Practical	2
	Total Credits	**16**

Third Semester

Code	Subject	Credits
MSE1	Machine Analysis	4

MSE2	Optimal Control	4
MSE3	Advanced Control Theory	3
MSE4	Power System Protection	3
MSE2P	Optimal control Practical	2
	Total Credits	**16**

Fourth Semester

Specialization		
Control & Instrumentation		**Credit**
MSCI01	Industrial Instrumentation and control	4
MSCI02	Digital control and state variable methods	4
MSCI03	Electronic Instruments and System	4
MS04	Project	12
Power System Control		
MSPS01	Electrical Power System Design	4
MSPS02	Power System Analysis and Dynamics	4
MSPS03	Power System Reliability	4
MS04	Project	12
Total Credit per specialization		**24**

M. Tech Chemical

Course Name: M.Tech Chemical

Duration of Course: 2 yrs

Eligibility: B.Tech/B.E in relevant subject / Msc Chemistry

Semester 1st

Code	Subject	Credit
MTCH101	Process Integration	4
MTCH102	Piping Design	4
MTCH103	Advanced Process Equipment Design	4
MTCH104	Advanced Separation Techniques	4
MTCH105	Chemical Process Economics & Management	4
	Total Credits	**20**

Semester 2nd

Code	Subject	Credit
MTCH201	Communication Skill for Engineers	4
MTCH202	Process and Product Development	4
MTCH203	Environment and Safety in Process Industries	4
MTCH204	Practical	2
	Total credits	**14**

Semester 3rd

Code	Subject	Credit
MTCH1	Advanced Catalytic Engineering	4
MTCH2	Fluidization Engineering	4
MTCH3	Process Plant Simulation	4
MTCH4	Practical	2
	Total Credits	**14**

Semester 4th

Code	Subject	Credit
MTCH5	Advanced Process Control	4
MTCH6	Advanced Petroleum Refining Processes	4
MTCH 7	Advanced Process Optimisation	4
MTCH8	Project	12
	Total Credits	**24**

M. Tech in Mathematics

Course Name: M.Tech Mathematics

Duration of Course: 2 years

Eligibility: B.Tech / BE / M.Sc Math

Semester 1st

Code	Subject	Credit
MTMH101	Linear Algebra	4
MTMH102	C-Programming	3
MTMH103	Operating Systems	3
MTMH104	Algebra	3
MTMH105	Numerical Analysis.	3
	Total Credits	**16**

Semester 2nd

Code	Subject	Credit
MTMH201	Foundation of Analysis	4
MTMH202	Complex AnalysisProcess and Product Development	4
MTMH203	Advanced Catalytic Engineering	4
MTMH204	Process Plant Simulation	4
MTMH205	Environment and Safety in Process Industries	4
	Total Credits	**16**

Semester 3rd

Code	Subject	Credit
MTMH301	Discrete Mathematics	4
MTMH302	Design and Analysis of Algorithms	4
MTMH303	Coding Theory	4
MTMH304	Probability Theory	4
	Total Credits	**16**

Semester 4th

Code	Subject	Credit
MTMH401	Field Theory	4
MTMH402	Differential Geometry	4
MTMH403	Project	16
	Total Credits	**24**

M. Tech in Physics

Course Name: M.Tech Physics

Duration of Course: 2 years

Eligibility: B.Tech/BE/M.Sc Physics

Semester 1st

Code	Subject	Credit
MTPH101	Thermodynamics and Statistical Physics	4
MTPH102	Atomic and Molecular Physics	4
MTPH103	Solid State Physics	4
MTPH104	Nuclear and Particle Physics	4
	Total Credits	**16**

Semester 2nd

Code	Subject	Credit
MTPH201	Mathematical Physics:	4
MTPH202	Classical Mechanics	4
MTPH203	Electromagnetic Theory	4
MTPH204	Quantum Mechanics	4
	Total Credits	**16**

Semester 3rd

Code	Subject	Credit
MSP1	Electronics	4
MSP2	Measurement	4
MSP3	Motion	4
MSP4	Circular Motion	4
	Total Credits	**16**

Semester 4th

Code	Subject	Credit
MSP5	Liquids	3
MSP6	Elasticity	3
MSP7	Universe	3
MSP8	Oscillations And Waves	3
	Project	12
	Total Credits	**24**

M. Tech (IT)

Course Name: M.Tech IT

Duration of Course: 2 years

Eligibility: BE/ B.Tech/AMIE in any discipline or MCA/MSC(CS/IT) /MIT/MCM OR MSc in any discipline with mathematics as a major component in BSC from a recognized University or DOEACC 'B' level

Semester 1st

Code	Subjects	Credits
MT 11	Interactive Computer Graphics	4
MT 12	Advanced Computer Architecture	4
MT 13	Algorithm Analysis and Design	4
MT 14	Advanced DBMS	4
	Total credits	**16**

Semester 2nd

Code	Subjects	Credits
MT 21	OO software Engg.with UML	4
MT 22	AI and Neural Networks	4
MT 23	Elective I	4
MT 24	Elective II	4
	Total credits	**16**

Semester 3rd

Code	Subjects	Credits
MT 31	Elective -111	4
MT 32	Elective -IV	4
MT 33	Dissertation –part	6

Semester 4th

Code	Subjects	Credits
MT41	Dissertation – Part II	16

Electives for M. Tech (IT)

Group A

Code	Subjects	Credits
MT23A	Automata	4
MT24A	Parallel Computing	4
MT31A	Logic and Functional Programming	4
MT32A	Natural Language Processing	4

Group B

Code	Subjects	Credits
MT23B	Embedded Systems	4
MT24B	VLSI Design	4
MT31B	Simulation and Modeling	4
MT32B	Computer Design	4

Group C

Code	Subjects	Credits
MT23C	E-commerce ,M-commerce and Network security	4
MT24C	Network Programming	4
MT31C	Wireless and Mobile Network	4
MT32C	ERP and CRM	4

Group D

Code	Subjects	Credits
MT23D	Multimedia Systems	4
MT24D	Document Analysis and pattern Recognition	4
MT31D	Intelligent Databases	4
MT32D	Biometrics	4

B.Tech Chemical

Course Name: B.Tech Chemical

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech
Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	4
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**20**

Third Semester

Code	Subject	Credits
BCH1	Mathematics III	4
BCH2	Non Conventional Energy Engineering.	3
BCH3	Thermodynamics	2
BCH3P	Thermodynamics Practical	1
BCH5	Transportation Processes 1	2
BCH6	Electrical Machines	3
BCH5P	Transportation Processes Practical	1
	Total Credits	**16**

Fourth Semester

Code	Subjects	Credits
BSH6	Society, Environment & Engineering	3
BSH7	Intro. To process calc. & flow sheeting	3
BSH8	Organic & Inorganic Chemistry	3
BSH9	Heat Transfer	2
BSH10	Numerical Methods	3
BSH8P	Organic & Inorganic chemistry Practical	1
BSH9P	Heat Transfer Practical	1
	Total Credits	**16**

Fifth Semester

Code	Subject	Credits
BSH1	Fluid Flow	3
BSH2	Mass Transfer Operations-1.	3
BSH3	Chemical Engineering Thermodynamics-1	2
BSH4	Chemical equipment Design	3
BSH5	Operation Research	2
BSH1P	Chemical Engineering Thermodynamics Practical	1
BSH2P	Fluid Flow practical	2
	Total Credits	**16**

Sixth Semester

Code	Subjects	Credits
BSH6	Strength of materials	3
BSH7	Industrial Economics & Management	3
BSH8	Machine Drawing	3
BSH9	Mass Transfer operation –II	2
BSH10	Material science	3
BSH8P	Machine Drawing practical	1
BSH9P	Mass Transfer Operation -11	1
	Total Credits	**16**

Seventh Semester

Code	Subject	Credits
BEH1	Instrumentation & Process Control	4
BEH2	Industrial Safety	3
BEH3	Petrochemical & Refining Technology	3
BEH4	Process Engineering	3
BEH5	Process simulation & Design	3
BEH1P	Instrumentation & Process control Practical	2
BEH2P	Process Engineering Practical	2
	Total Credits	**20**

Eighth Semester

Code	Subjects	Credits
BEH6	Environmental Engineering	5
BEH7	Project Engineering & Management	3
BEH8	Reactors Design	5
	Project	8
	Total Credits	**21**

B.Tech Civil Engg

Course Name: B.Tech Civil Engg.

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech

Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subject	Credits
BSC1	Mathematics III	4
BSC2	Water and Waste Water Engineering	4
BSC3	Hydraulics	3
BSC4	Transportation Engineering	3
BSC5	Surveying-I	2
BSC3P	Hydraulics Practical	1
BSC5P	Transportation Engineering Practical	1
	Total Credits	**18**

Fourth Semester

Code	Subjects	Credits
BSC6	Society, Environment & Engineering	4
BSC7	Building Construction	4
BSC8	Structural Analysis	2
BSC9	Advanced Surveying	3
BSC10	Solid Mechanics	3
BSC8P	Structural Analysis Practical	1
BSC9P	Advanced Surveying Practical	1
	Total Credits	**18**

Fifth Semester

Code	Subject	Credits
BTC1	Design of RC Structures	4
BTC2	Foundation Engg.	4
BTC3	River Engineering	3
BTC4	Hydropower Engineering	3
BTC5	Operation Research	2
BTC1P	Design of RC Structures Practical	1
BTC2P	Foundation Engg. Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTC6	Design of Steel Structures	3
BTC7	Advanced Structural Analysis	3
BTC8	Environmental Engineering	2
BTC9	Advanced Foundation Engineering	3
BTC10	Industrial Economics & Management	3
BTC7P	Design of Steel Structures Practical	1
BTC9P	Advanced Structural Analysis Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subject	Credits
BEC1	Irrigation Engineering	4
BEC2	Prestressed Concert & Adv.Design Of Structure	3
BEC3	Quantity Surveying & contract & Tenders	2
BEC4	Finite element method OF civil Engineering	2
BEC5	Elective-I	3
BEC1P	Prestressed Concerte & Adv. Design Of structure Practical	1
BEC2P	Electronics International Practical	1
	Total Credits	**16**

Eighth Semester

Code	Subjects	Credits
BEC6	Structural Dynamic	3
BEC7	Construction and Planning Management	3
BEC8	Planning & Design of Airport	2
BEC9	Project	8
BEC6P	Structure Dynamics Practical	2
	Total Credits	**18**

Elective

Code	Subject:	Credits
BECS5-I	Water Resources System & Planning	3
BECS5-II	Valuation Of Real Property	3
BECS5-III	Design Of Industrial Structures & Bridges	3
BECS5-IV	Highway Maintenance & Management System	3
	Total Credits	12

B.Tech Electrical Engg

Course Name: B.Tech Electrical Engg.

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech

Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subjects	Credits
BSE1	Mathematics III	4
BSE2	Thermodynamics	4
BSE3	Signals & Networks	2
BSE4	Digital Electronics	2
BSE5	Electrical Machines	4
BSE2P	Thermodynamics Practical	1
BSE3P	Signals & Networks Practical	1
	Total Credits	**18**

Fourth Semester

Code	Subjects	Credits
BSE6	Society, Environment & Engineering	4
BSE7	Electronic Devices & Circuit	4
BSE8	Analog Electronic Circuits	2
BSE9	Electromagnetic Engineering	3
BSE10	Electrical Measurement- I	3
BSE8P	Analog Electronic Circuits Practical	1
BSE10P	Electrical Measurement- I Practical	1
	Total Credits	**18**

Fifth Semester

Code	Subjects	Credits
BTE1	Computer Organization	4
BTE2	Control System	4
BTE3	Power Systems	3
BTE4	Electrical Measurement- II	2
BTE5	Advanced Electrical Machines	3
BTE2P	Control System Practical	1
BTE5P	Advanced Electrical Machines Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTE6	Power Electronics & Devices	3
BTE7	Digital Signal Processing	3
BTE8	Microprocessor	2
BTE9	Advance Power System & Design	3
BTE10	Industrial Economics & Management	3
BTE6P	Power Electronics & Devices Practical	1
BTE7P	Digital Signal Processing Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subjects	Credits
BEE1	Switchger & protection	3
BEE2	Utilization of Electrical Power	3
BEE3	Communication Engineering	3
BEE4	Electronics Instrumentation	3
BEE5	Elective-I	2
BEE1P	Switchger & protection Practical	2
BEE2P	Utilization of Electrical Power Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEE6	Machine Drives	3
BEE7	Design & Estimation of Electrical System	3
BEE8	Electrical Machine Design	2
BEE9	Project	8
BEE6P	Machine Drives practical	2
	Total Credits	**18**

Elective:

Code	Subjects	Credits
BEE5-I	EHV-Transmission	2
BEE5-II	Electrical Power System Reliability	2
BEE5-III	Illumination Engineering	2
BEE5-IV	High voltage engineering	2
	Total Credits	**8**

B.Tech Computer Science

Course Name: B.Tech Computer Science

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.TechCandidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subject	Credits
BSCO1	Mathematics III	4
BSCO2	Switching Circuits & Logic Design	4
BSCO3	Signals & Networks	4
BSCO4	Digital Electronics	2
BSCO5	Electrical Machines	2
BSCO2P	Switching Circuits & Logic Design Practical	1
BSCO3P	Signals & Networks Practical	1
	Total Credits	**18**

Fourth Semester

Code	Subjects	Credits
BSCO6	Society, Environment & Engineering	4
BSCO7	Electronics Devices & Circuit	4
BSCO8	Analog Electronic Circuits	3
BSCO9	Discrete Structure	3
BSCO10	Object Oriented Programming	2
BSCO8P	Analog Electronic Circuits Practical	1
BSCO10P	Object Oriented Programming Practical	1
	Total Credits	**18**

Fifth Semester

Code	Subject	Credits
BTCO1	Operating System	3
BTCO2	Database Management System	3
BTCO3	Computer Graphics	2
BTCO4	Computer Organization	4
BTCO5	Software Engineering	4
BTCO2P	Database Management System Practical	1
BTCO3P	Computer Graphics Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTCO6	Computer Network	4
BTCO7	Theory Of Computation	2
BTCO8	Micro-Processor	3
BTCO9	Principles of Programming	2
BTCO10	Industrial Economics and Management	3
BTCO7P	Theory of Computation Practical	1
BTCO9P	Principles of Programming Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subject	Credits
BECO1	Pattern Recognition & Application	4
BECO2	Digital Signal Processing	2
BECO3	Data Structures & object Representation	2
BECO4	Advanced Computer System Architecture	4
BECO5	Elective-I	2
BECO4P	Advance Computer System Architecture Practical	2
BECO2P	Digital Signal Processing Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BECO6	Design Principle of language Translator	3
BECO7	Design & Analysis of Algorithm	3
BECO8	Interactive Multimedia	2
BECO9	Project	8
BECO7P	Design & Analysis of Algorithm Practical	2
	Total Credits	**18**

Elective

Code	Subject:	Credits
BECO5-I	Neural Network and Application	2
BECO5-II	Parallel processing	2
BECO5-III	Mobile Computing	2
BECO5-IV	Fuzzy set theory & Application	2
	Total Credits	**8**

B.Tech Electronics & Telecommunication Engg

Course Name: B.Tech Electronics & Telecommunication Engg.

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech
Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

Semester 1st

Code	Subjects	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
B3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Semester 2nd

Code	Subjects	Credits
BF8	Mathematic II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subjects	Credits
BSET1	Mathematics III	4
BSET2	Principles of Programming	4
BSET3	Signals & Network	2
BSET4	Digital Electronics	2
BSET5	Electrical Machines	4
BSET2P	Signals & Network Practical	1
BSET3P	Digital Electronic Circuit Practical	1
	Total Credits	**18**

Fourth Semester

Code	Subjects	Credits
BSET6	Society, Environment & Engineering	4
BSET7	Electronic Devices & Circuit	4
BSET8	Analog Electronics Circuits	2
BSET9	Electromagnetic Engineering	4
BSET10	Electrical Measurement-I	4
BSE8P	Analog Electronics Circuits Practical	1
BSE10P	Electrical Measurement Practical	1
	Total Credits	**20**

Fifth Semester

Code	Subjects	Credits
BTET1	Computer Organization	4
BTET2	Control System	4
BTET3	Digital Communication	3
BTET4	Semiconductor Devices	2
BTET5	Digital Image Processing	3
BTET2P	Control System Practical	1
BTET4P	Semiconductor Devices Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTET6	Power Electronics & Devices	3
BTET7	Digital Signal Processing	3
BTET8	Micro Processor	2
BTET9	Telecommunication Switching & Signal	3
BTET10	Industrial Economics & Management	3
BTET6P	Power Electronics & Devices Practical	1
BTET7P	Digital Signal Processing Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subjects	Credits
BEET1	Mobile Communication System	4
BEET2	RF & Microwave Engineering	3
BEET3	Micro Electronics	2
BEET4	Computer Communication Network	2
BEET5	Elective	3
BEET2P	RF & Microwave Engineering Practical	2
BEET4P	Computer Communication Network Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEET6	VLSI – Technology & Process Modeling	3
BEET7	Satellite Communication	3
BEET8	Semi conductor Devices and Modeling	3
BEET9	Project	8
BEET6P	VLS – Technology & Process Modeling Practical	1
	Total Credits	**18**
	Grand Total	**147**

Elective

Code	Subjects	Credits
BEET5-I	Optical Electronics & Photonics – I	3
BEET5-II	Digital Voice Picture Communication	3
BEET5-III	Radar System	3
BEET5-IV	Optical fiber Communication	3
	Total Credits	**12**

B.Tech Mechanical

Course Name: B.Tech Mechanical

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subjects	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
B3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematic II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subjects	Credits
BSM1	Mathematics III	4
BSM2	Thermodynamics	4
BSM3	Fluid Mechanics	2
BSM4	Workshop Processes	2
BSM5	Electrical Machine	2
BSM3P	Fluid Mechanics Practical	1
BSM5P	Workshop Practical	1
	Total Credits	**16**

Fourth Semester

Code	Subjects	Credits
BSM6	Society, Environment & Engineering	4
BSM7	Dynamics	4
BSM8	Solid Mechanics	2
BSM9	Heat Transfer – I	4
BSM10	Theory of Machine	4
BSM7P	Dynamics Practical	1
BSM8P	Solid Mechanics Practical	1
	Total Credits	**20**

Fifth Semester

Code	Subjects	Credits
BTM1	Metal Cutting and Tool Design	4
BTM2	Control system	4
BTM3	Computer Graphics	3
BTM4	CNC programming	2
BTM5	Operation Research	3
BTM1P	Metal Cutting and Tool Design Practical	1
BTM4P	CNC Programming Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTM6	Strength Materials	3
BTM7	Industrial Engineering & Production Management	3
BTM8	Design Machine Elements	3
BTM9	Hydraulic Machines	3
BTM10	Industrial Economics & Management	2
BTM7P	Industrial Engg. & Production Mgt. Practical	1
BTM9P	Hydraulic Machines Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subjects	Credits
BEM1	CAD/CAM (Application) & Automation	4
BEM2	Metrology &Quality Control	3
BEM3	I.C. Engineering & Automobile Engineering	2
BEM4	Finite Element Method in Engineering	2
BEM5	Elective	3
BEM1P	Metrology & Quality Control Practical	2
BEM2P	I.C. Engineering & Automobile Engineering Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEME6	Refrigeration & Air Conditioning	3
BEME7	Machine Tool Design	3
BEME8	Jigs & Fixture Design	3
BEME9	Project	8
BEME6P	Refrigeration & Air Conditioning Practical	1
	Total Credits	**18**

Elective

Code	Subjects	Credits
BEME5-I	Mechatronics	3
BEME5-II	Concurrent Engineering	3
BEME5-III	Management of Technology	3
BEME5-IV	Machine Vibration Analysis	3
	Total Credits	**12**

B.Tech Aeronautics Engg

Course Name: B.Tech Aeronautics Engg.

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech
Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	19

Third Semester

Code	Subjects	Credits
BSA1	Thermodynamics	3
BSA2	Mathematics III	3
BSA3	Electrical Machine	3
BSA4	Digital Electronics	2
BSA5	Control System	3
BSA4P	Digital Electronics Practical	1
BSA4P	Electrical Machine Practical	1
	Total Credits	**16**

Fourth Semester

Code	Subjects	Credits
BSA7	Space Dynamics	3
BSA8	Introduction to Aerodynamics	3
BSA9	Dynamics of Aerospace Engineers	2
BSA10	Society, Environment & Engineering	4
BSA11	Introduction to Propulsion System	4
BSA10P	Basic Aerodynamics Practical	1
BSA11P	Propulsion System Practical	1
	Total Credits	**18**

Fifth Semester

Code	Subjects	Credits
BTA1	Theory of Jet Propulsion	4
BTA2	Avionics I	3
BTA3	Advance Strength of Material	3
BTA4	Theory of Vibration-I	3
BTA5	Operation Research	3
BTA2P	Practical Avionics I	1
BTA5P	Jet Propulsion Practical	1
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTA6	Avionics – II	3
BTA7	Theory of vibration – II	3
BTA8	Machine Drawing	2
BTA9	Aircraft Stability & Control	3
BTA10	Industrial Economics & Management	3
BTA6P	Avionics II Practical	1
BTA7P	Aircraft Stability & Control Practical	1
	Total Credits	**16**

Seventh Semester

Code	Subjects	Credits
BEA1	Maintenance of Air Frame Systems	4
BEA2	Aircraft Power Plant and Systems- I	3
BEA3	Aircraft Electrical Systems	2
BEA4	Aircraft Structure -I	2
BEA5	Maintenance of Air Frame And System Practical	3
BEE1P	Maintenance of Air Frame And System Practical	2
BEE2P	Aircraft Instruments and Integrated Systems Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEA6	Aircraft Structure –II	5
BEA7	Maintenance of Power Plant And System- II	3
BEA8	Maintenance of Power Plant And System	4
BEA9	Project	8
	Total Credits	**20**

B.Tech - IT

Course Name: B.Tech - IT

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech
Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subject	Credits
BF1	Mathematics I	3
BF2	Chemistry	3
BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

Second Semester

Code	Subject	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3
BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subject	Credits
BSITO1	Computer Architecture	4
BSITO2	Mathematics – III	3
BSITO3	Digital Circuits & Logic Design	2
BSITO4	Data Structures & Programming Methodology	2
BSITO5	Written & Oral Technical Communication	3
BSITO2P	Software Lab- I	1
BSITO3P	Hardware Lab –I	1
	Total Credits	**16**

Fourth Semester

Code	Subjects	Credits
BSITO6	Operating System	3
BSITO7	Discrete Structures	3
BSITO8	Data Communication	2
BSITO9	Microprocessor & Assembly Language Programming	3
BSITO10	Systems Programming	3
BSITO8P	Software Lab - II	1
BSITO10P	H/W Lab. II	1
	Total Credits	**16**

Fifth Semester

Code	Subject	Credits
BTITO1	System Analysis and Design	3
BTITO2	Windows Programming	2
BTITO3	Data Base Management System	3
BTITO4	Electronics Commerce	3
BTITO5	Parallel Architecture & Computing	3
BTITO2P	Data Base Management System Practical	2
BTITO3P	Electronics Commerce Practical	2
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTITO6	Advanced Internet Technology	3
BTITO7	Management Information System	3
BTITO8	Web Administration	2
BTITO9	Network operating System	3
BTITO10	Operation Research	3
BTITO7P	MIS Practical	2
BTITO9P	Web Administration Practical	2
	Total Credits	**18**

Seventh Semester

Code	Subject	Credits
BEITO1	Expert Systems	4
BEITO2	Neural Networks	3
BEITO3	Artificial Intelligence and Applications	2
BEITO4	Multimedia and Applications	2
BEITO5	Data Warehousing and Mining	3
BEITO1P	Expert System Practical	2
BEITO2P	Data Warehousing and Mining Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEITO6	Introduction to Java	5
BEITCO7	E-Services	3
BEITO8	Environmental Sciences	5
BEITO9	Project	5
BETIT06P	Introduction to Java Prectical	2
	Total Credits	**20**

B.Tech Automobile Engg

Course Name: B.Tech Automobile Engg.

Duration: 4 Years

Eligibility: 10+2(PCM)

Lateral Entry: Candidate who has three year diploma after 10th can enroll for 3rd Semester of B.Tech

Candidate who has completed B.Sc(PCM) can enroll for 3rd Semester of B.Tech

First Semester

Code	Subjects	Credits
BF1	Mathematics I	3
BF2	Chemistry	3

Second Semester

Code	Subjects	Credits
BF8	Mathematics II	3
BF9	Applied Physics	3

BF3	English -I	2
BF4	Electrical Technology	2
BF5	Mechanics	3
BF6	Introduction to Manufacturing Process	2
BF2P	Chemistry Practical	1
BF4P	Electrical Technology Practical	1
BF7	Indian Constitution and Ethics	2
	Total Credits	**19**

BF10	Programming and Data Structure	2
BF11	Basic Electronics	2
BF12	Engineering Drawing and Graphics	3
BF13	Environmental Studies	2
BF9P	Applied Physics Practical	1
BF11P	Basic Electronics Practical	1
BF 14	Communication English	2
	Total Credits	**19**

Third Semester

Code	Subject	Credits
BSAMO1	Numerical Analysis Programing	4
BSAMO2	Electronics	3
BSAMO3	Thermal Science	2
BSAMO4	Mechanics of Solids	2
BSAMO5	Production Technology	3
BSAMO2P	Thermal Science Practical	1
BSAMO3P	Production Technology Practical	1
	Total Credits	**16**

Fourth Semester

Code	Subjects	Credits
BSAMO6	Kinematics & Dynamics of Machines	3
BSAMO7	Manufacturing Machines	3
BSAMO8	Electrical Machines	2
BSAMO9	Operation Research	3
BSAMO10	LAN & Networking	3
BSAMO8P	Operation Research Practical	1
BSAMO10P	Electrical Machine Practical	1
	Total Credits	**16**

Fifth Semester

Code	Subject	Credits
BTAMO1	Microprocessors & Applications	3
BTAMO2	Machine Design- I	2
BTAMO3	Material Science & Metallurgy	3
BTAMO4	Measurements & Controls	3
BTAMO5	Database Management Systems	3
BTAMO2P	Database Management System Practical	2
BTAMO3P	Machine Design I Practical	2
	Total Credits	**18**

Sixth Semester

Code	Subjects	Credits
BTAMO6	Management of Manufacturing System	3
BTAMO7	Machine Design-II	3
BTAMO8	Metrology	2
BTAMO9	Fluid Systems	3
BTAMO10	Metal Cutting & Tool Design	3
BTAMO7P	Fluid System Practical	2
BTAMO9P	Metrology Practical	2
	Total Credits	**18**

Seventh Semester

Code	Subject	Credits
BEAMO1	Computer Aided Manufacturing	4
BEAMO2	Mechatronics	3
BEAMO3	Refrigeration & Air-Conditioning	2
BEAMO4	Solar Energy	2
BEAMO5	Personnel Management	3
BEAMO1P	Refrigeration & Air-Conditioning Practical	2
BEAMO2P	Solar Energy Practical	2
	Total Credits	**18**

Eighth Semester

Code	Subjects	Credits
BEAMO6	Automotive Engineering	5
BEAMO7	Manufacturing Information Systems	3
BEAMO8	Computer Aided Design	4
BEAMO9	Project	8
	Total Credits	**20**

Diploma in Mechanical Engineering

Course Name: Diploma in Mechanical Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

1st Semester

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application	2
DF6-L	Workshop Practice	2
	Total Credits	**16**

2nd Semester

Subject Code	Course Title	Credits
DF7	Applied Mathematics-II	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics Lab	2
DF12-L	Chemistry Lab	2
	Total Credits	**16**

3rd Semester

Subject Code	Course Title	Credits
DSM1	Engineering Mechanics	3
DSM2	Manufacturing Technology - I	3
DSM3	Fluid Mechanics	3
DSM4	Machine Drawing	3
DSM5-L	Engineering Mechanics Lab	2
DSM6-L	Workshop-I	2
	Total Credits	**16**

4th Semester

Subject Code	Course Title	Credits
DSM7	Thermodynamics	3
DSM8	Manufacturing Technology –II	3
DSM9	Electrical and Electronics Engineering	3
DSM10	Refrigeration and Airconditioning	3
DSM11-L	Thermodynamics Lab	2
DSM12-L	Workshop-II	2
	Total Credits	**16**

5th Semester

Subject Code	Course Title	Credits
DTM1	Design of Machine Elements	3
DTM2	Thermal Engineering	3
DTM3	Metrology	3
DTM4	Mechatronics	3

6th Semester

Subject Code	Course Title	Credits
DTM7	Industrial Engineering and Management	3
DTM8	CAD/CAM	3
DTM9	Automobile Technology	3
DTM10-L	CAD/CAM Lab	2

DTM5-L	Metrology Lab	2
DTM6-L	Workshop-III	2
	Total Credits	**16**

DTM11	Project	8
	Total Credits	**19**

Diploma in Electrical Engineering

Course Name: Diploma in Electrical Engineering

Duration: 3Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

1st Semester

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application Lab	2
DF6-L	Workshop Practice Lab	2
	Total Credits	**16**

2nd Semester

Subject Code	Course Title	Credits
DF7	Applied Mathematics-1I	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics Lab	2
DF12-L	Chemistry Lab	2
	Total Credits	**16**

3rd Semester

Subject Code	Course Title	Credits
DSE1	Circuit Theory	3
DSE2	Electronic Devices	3
DSE3	Electrical Machines-I	3
DSE4	Engineering Mechanics	3
DSE5-L	Electronic Devices Lab	2
DSE6-L	Electrical Machines –I	2
	Total Credits	**16**

4th Semester

Subject Code	Course Title	Credits
DSE7	Linear and Digital ICs	3
DSE8	Computer Hardware and Networking	3
DSE9	Electrical Machines-II	3
DSE10	Measurements and Instruments	3
DSE11-L	IC Lab	2
DSE12-L	Electrical Machines –I I Lab	2
	Total Credits	**16**

5th Semester

Subject Code	Course Title	Credits
DTE1	Power Systems I	3
DTE2	Microprocessor and Microcontrollers	3
DTE3	Electrical Machine Design	3
DTE4	Control of Electrical Machines	3
DTE5-L	Control of Electrical Machines Lab	2
DTE6-L	Microcontrollers Lab	2
	Total Credits	**16**

6th Semester

Subject Code	Course Title	Credits
DTE7	Power Systems II	3
DTE8	Power Electronics	3
DTE9	Electrical Estimation	3
DTE10-L	Power Electronics Lab	2
DTE11	Project	8
	Total Credits	**19**
	Grand Total	**99**

Diploma in Electronics & Telecommunication Engineering

Course Name: Diploma in Electronics & Telecommunication Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

Semester 1st

Subject Code	Subject Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application Lab	2
DF6-L	Workshop Practice Lab	2
	Total Credits	16

Semester 2nd

Subject Code	Subject Title	Credits
DF7	Applied Mathematics-1I	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics Lab	2
DF12-L	Chemistry Lab	2
	Total Credits	16

Semester 3rd

Subject Code	Subject Title	Credits
DSET1	Electrical Circuits and Instrumentation	3
DSET2	Electronic Devices	3

Semester 4th

Subject Code	Subject Title	Credits
DSET7	Linear and Digital ICs	3
DSET8	Computer Hardware and Networking	3

DSET3	C Programming	3
DSET4	Microprocessor	3
DSET5-L	Electronic Devices Lab	2
DSET6-L	Electrical Circuits and Instrumentation Lab	2
	Total Credits	**16**

DSET9	Industrial Electronics	3
DSET10	Object Oriented Programming	3
DSET11-L	IC Lab	2
DSET12-L	Industrial Electronics Lab	2
	Total Credits	**16**

5th Semester

Subject Code	Subject Title	Credits
DTET1	VLSI	3
DTET2	Microcontrollers	3
DTET3	Communication Engineering – I	3
DTET4	Robotics	3
DTET5-L	VLSI Lab	2
DTET6-L	Communication Engineering – I Lab	2
	Total Credits	**16**

6th Semester

Subject Code	Subject Title	Credits
DTET7	Embedded Systems	3
DTET8	Communication Engineering – II	3
DTET9	Television Engineering	3
DTET10-L	Embedded Systems Lab	2
DTET11	Project	8
	Total Credits	**19**
	Grand Total	**99**

Diploma in Civil Engineering

Course Name: Diploma in Civil Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

1st Semester

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application Lab	2
DF6-L	Workshop Practice Lab	2
	Total Credits	**16**

2nd Semester

Subject Code	Course Title	Credits
DF7	Applied Mathematics-1I	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics Lab	2
DF12-L	Chemistry Lab	2
	Total Credits	**16**

3rd Semester

Subject Code	Course Title	Credits
DSC1	Engineering Mechanics	3
DSC2	Construction Materials	3
DSC3	Surveying	3
DSC4	Civil Engineering Drawing	3
DSC5-L	Surveying Lab –I	2
DSC6-L	Engineering Mechanics Lab	2
	Total Credits	**16**

4th Semester

Subject Code	Course Title	Credits
DSC7	Theory of Structures	3
DSC8	Transportation Engineering	3
DSC9	Interior Design	3
DSC10	Water Resources Management	3
DSC11-L	CAD in Civil Engineering Lab –I	2
DSC12-L	Surveying Lab –II	2
	Total Credits	**16**

5th Semester

Subject Code	Course Title	Credits
DTC1	Structural Engineering	3
DTC2	Quantity Surveying	3
DTC3	Concrete Technology and Construction	3
DTC4	Environmental Engineering	3
DTC5-L	CAD in Civil Engineering Lab –II	2
DTC6-L	Construction Lab	2
	Total Credits	**16**

6th Semester

Subject Code	Course Title	Credits
DTC7	Construction Management	3
DTC8	Hydraulics	3
DTC9	Town Planning	3
DTC10-L	Computer Application in Civil Engineering Lab	2
DTC11	Project	8
	Total Credits	**19**
	Grand Total	**99**

Diploma in Computer Engineering

Course Name: Diploma in Computer Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

1st Semester

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application	2
DF6-L	Workshop Practice	2
	Total Credits	**16**

2nd Semester

Subject Code	Course Title	Credits
DF7	Applied Mathematics-II	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics	2
DF12-L	Chemistry	2
	Total Credits	**16**

3rd Semester

Subject Code	Subject Title	Max Marks	Max Credits
DSCO1	Operating Systems	100	3
DSCO2	C and Data Structures	100	3
DSCO3	Basics of Electrical and Electronics Engineering	100	3
DSCO4	Microprocessor	100	3
DSCO5-L	C and Data Structures Lab	100	2
DSCO6-L	Basics of Electrical and Electronics Engineering Lab	100	2

4th Semester

Subject Code	Subject Title	Max Marks	Max Credits
DSCO7	Computer Architecture	100	3
DSCO8	Web Design	100	3
DSCO9	Java Programming	100	3
DSCO10	Software Engineering	100	3
DSCO11-L	Java Programming Lab	100	2
DSCO12-L	Web Design Lab	100	2

5th Semester

Subject Code	Subject Title	Max Marks	Max Credits
DTCO1	Computer Networks	100	3
DTCO2	Relational Database Management Systems	100	3
DTCO3	Dot Net	100	3
DTCO4	Embedded Systems	100	3
DTCO5-L	Networks Lab	100	2
DTCO6-L	Dot Net Lab	100	2

6th Semester

Subject Code	Subject Title	Max Marks	Max Credits
DTCO7	Computer Hardware and Servicing	100	3
DTCO8	Mobile Computing	100	3
DTCO9	Multimedia	100	3
DTCO10-L	Computer Hardware and Servicing Lab	100	2
DTCO11	Project	400	8

Diploma in Automobile Engineering

Course Name: Diploma in Automobile Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

1st Semester

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3
DF5-L	Computer Application	2
DF6-L	Workshop Practice	2
	Total Credits	**16**

2nd Semester

Subject Code	Course Title	Credits
DF7	Applied Mathematics-II	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3
DF11-L	Physics	2
DF12-L	Chemistry	2
	Total Credits	**16**

3rd Semester

Subject Code	Course Title	Credits
DSA1	Engineering Mechanics	3
DAS2	Manufacturing Technology-I	3
DSA3	Fluid Mechanics	3
DSA4	Machine Drawing	3
DSA5-L	Engineering Mechanics Lab	2
DSA6-L	Workshop-I	2
	Total Credits	**16**

4th Semester

Subject Code	Course Title	Credits
DSA7	Thermodynamics	3
DSA8	Manufacturing Technology-II	3
DSA9	Automobile Electrical and Electronics	3
DSA10	Automobile Chassis	3
DSA11-L	Automobile Electrical and Electronics	2
DSA12-L	Workshop-II	2
	Total Credits	**16**

5th Semester

Subject Code	Course Title	Credits
DTA1	Automobile Transmission	3
DTA2	Vehicle Body Technology	3
DTA3	Two & Three Wheelers Technology	3
DTA4	Tractor and Farm Equipment	3
DTA5-L	Automobile Chassis and Transmission	2
DTA6-L	Automobile Workshop	2
	Total Credits	**16**

6th Semester

Subject Code	Course Title	Credits
DTA7	Industrial Engineering and Road Transport	3
DTA8	CAD/CAM	3
DTA9	Automotive Maintenance and Pollution Control	3
DTA10-L	CAD/CAM	2
DTA11	Project	8
	Total Credits	**19**

Diploma in Chemical Engineering

Course Name: Diploma in Chemical Engineering

Duration: 3 Years

Eligibility: 10+2 with Math

Lateral Entry: 10+2 PCM / ITI (2years)/ 2 years Vocational Course in Relevant Trade / 3 year Apprenticeship

Semester 1st

Subject Code	Course Title	Credits
DF1	Communication English	3
DF2	Applied Mathematics-1	3
DF3	Engineering Physics-I	3
DF4	Engineering Chemistry-I	3

Semester 2nd

Subject Code	Course Title	Credits
DF7	Applied Mathematics-II	3
DF8	Engineering Physics-II	3
DF9	Engineering Chemistry-II	3
DF10	Engineering Graphics	3

DF5-L	Computer Application	2
DF6-L	Workshop Practice	2
	Total Credits	**16**

DF11-L	Physics	2
DF12-L	Chemistry	2
	Total Credits	**16**

Semester 3rd

Subject Code	Course Title	Credits
DSH1	Chemistry -1	3
DSH2	Chemical Engineering Fluid Mechanics	3
DSH3	Technical Communications	3
DSH4	Engineering Mathematics	3
DSH5-L	Chemical Engineering Fluid Mechanics Lab	2
DSH6-L	Workshop-I	2
	Total Credits	**16**

Semester 4th

Subject Code	Course Title	Credits
DSH7	Chemistry II	3
DSH8	Heat Transfer	3
DSH9	Principles of Design	3
DSH10	Mechanical operations	3
DSH11-L	Heat Transfer – Practical	2
DSH12-L	Workshop-II	2
	Total Credits	**16**

5th Semester

Subject Code	Course Title	Credits
DTH1	Management	3
DTH2	Mass Transfer Operation	3
DTH3	Chemical Engineering Thermodynamics -1	3
DTH4	Chemical Engineering Drawing	3
DTH5-L	Chemical Engineering Thermodynamics -1 practical	2
DTH6-L	Workshop	2
	Total Credits	**16**

6th Semester

Subject Code	Course Title	Credits
DTH7	Environmental Technology	3
DTH8	Process Simulation	3
DTH9	Professional Practices VI	3
DTH10	Elective -1	2
DTH11	Project	8
	Total Credits	**19**

Elective-1

Code	Subjects	Credits
DTH 10-1	PETROCHEMICAL TECHNOLOGY	2
DTH 10-2	FOOD PROCESSING & ENGINEERING	2
DTH 10-3	SUGAR TECHNOLOGY	2
DTH 10-4	BIO –PROCESS ENGINEERING	2
	Total Credits	**8**

Certificate in Fire Safety (CFS)

Course Name: Certificate in Fire Safety (CFS)

Duration: 6 Months

Eligibility: 10th Standard or Equivalent

Semester 1

Code	Subjects	Credits
CFS101	Fire Tech & Design	4
CFS102	Construction Safety	4
CFS103	Industrial Safety	4
CFS104	Environmental Safety	4
CFS105	Practicals	4
	Total Credits	**20**

Diploma in Fire Safety (DFS)

Course Name: Diploma in Fire Safety (DFS)

Duration: 1 Year

Eligibility: 10+2 or Equivalent

Lateral Entry: The candidate who has certificate in Fire Safety with 10+2 is eligible for Semester 2

Semester 1

Code	Subjects	Credits
CFS101	Fire Tech & Design	4
CFS102	Construction Safety	4
CFS103	Industrial Safety	4
CFS104	Environmental Safety	4
CFS105	Practicals	4
	Total Credits	20

Semester 2

Code	Subjects	Credits
DFS201	Safety of People in the event of Fire	4
DFS202	Fire Risk Assessment	4
DFS203	Fundamental of Fire Engineering Science	4
DFS204	Fire Control Technology	4
DFS205	Fire Fighting Drills-I	4
	Total Credits	20

Advanced Diploma in Fire Safety (ADFS)

Course Name: Advanced Diploma in Fire Safety (ADFS)

Duration: 2 Years

Eligibility: 10+2 or equivalent

Semester 1

Code	Subjects	Credits
ADFS101	Fire Tech & Design	4
ADFS102	Construction Safety	4
ADFS103	Industrial Safety	4
ADFS104	Environmental Safety	4
ADFS105	Practicals	4
	Total Credits	**20**

Semester 2

Code	Subjects	Credits
ADFS201	Safety of People in the Event of Fire	4
ADFS202	Fire Risk Assessment	4
ADFS203	Fundamental of Fire Engineering Science	4
ADFS204	Fire Control Technology	4
ADFS205	Fire Fighting Drills - 1	4
	Total Credits	**20**

Semester 3

Code	Subjects	Credits
ADFS301	Fire Tech & Design (Part- II)	4
ADFS302	Construction Safety (Part- II)	4
ADFS303	Industrial Safety (Part- II)	4
ADFS304	Environmental Safety (Part- II)	4
ADFS305	Practicals	4
	Total Credits	**20**

Semester 4

Code	Subjects	Credits
ADFS401	Safety of People in the Event of Fire (Part- II)	4
ADFS402	Fire Risk Assessment (Part- II)	4
ADFS403	Fundamental of Fire Engineering Science (Part- II)	4
ADFS404	Fire Control Technology (Part- II)	4
ADFS405	Fire Fighting Drills – 1 (Part- II)	4
	Total Credits	**20**

Master Of Business Administration - Dual Specialization (MBA)

Admission Qualification:

Program Duration

The program duration of MBA will be of two years comprising of four semesters but the candidate will have to complete within four years from the session of enrollment.

Admission Qualification

A candidate seeking admission to MBA program should have passed three years Bachelor's degree from recognized University in any discipline.

Course Code	Course Name	Credits	Internal Exmaination	External Examination	Total
FIRST SEMESTER					
MBO1	Management Concepts	5	20	80	100
MB02	Organisational Behaviour	5	20	80	100
MB03	Managerial Economics	5	20	80	100
MB04	Management Information System	5	20	80	100
MB05	Legal Aspects of Business	5	20	80	100
MB06	Accounting For Management	5	20	80	100
		30			
SECOND SEMESTER					
MB07	Production Management	5	20	80	100
MB08	Marketing Management	5	20	80	100
MB09	Human Resource Manegement	5	20	80	100
MB10	Financial Management	5	20	80	100
MB11	Quality Management	5	20	80	100
MB12	Research Methods in Business	5	20	80	100
		30			
THIRD SEMESTER					
MB13	Project Management	5	20	80	100
MB14	Strategic Management	5	20	80	100
MB15	International Business	5	20	80	100
	First Elective Stream Subject – 1	5	20	80	100
	First Elective Stream Subject – 2	5	20	80	100
	First Elective Stream Subject – 3	5	20	80	100
		30			
FOURTH SEMESTER					
MB19	Applied Management Operation Research	5	20	80	100
MB20	Indian Business Environment	5	20	80	100

	Second Elective Stream Subject - 1	5	20	80	100
	Second Elective Stream Subject - 2	5	20	80	100
	Second Elective Stream Subject - 3	5	20	80	100
MB24	Project	10	20	80	100
		35			

A candidate can choose any two from the list of specialization subjects listed below. One subject shall be chosen in the third semester while the other in the fourth semester.

Specialization List

1. **Human Resource(HR)**
2. **Finance**
3. **Information Technology(IT)**
4. **Marketing**
5. **Banking**
6. **Operations**
7. **Hospitality Management**
8. **Retail Management (RM)**
9. **Project Management (PM)**
10. **Total Quality Management (TQM)**

The streams shall consist of the following subjects-

Prog-Sem	Stream	Course Code	Course Name	Credits
MBA-3	Banking	MBBN-01	Indian Banking System	5
MBA-3	Banking	MBBN-02	Retailing and CRM in Banking	5
MBA-3	Banking	MBBN-03	Financial Derivatives	5
MBA-3	Finance	MBFN-01	Behavioural Finance	5
MBA-3	Finance	MBFN-02	Financial Engineering	5
MBA-3	Finance	MBFN-03	Corporate Structured Finance	5
MBA-3	Hospitality Management	MBHM-01	Tourism Planning and Marketing	5
MBA-3	Hospitality Management	MBHM-02	International Hospitality Law	5
MBA-3	Hospitality Management	MBHM-03	Hospitality Management	5
MBA-3	Human Resource	MBHR-01	Legal Framework Governing Human Relations	5
MBA-3	Human Resource	MBHR-02	Human Resource Development - Strategies and Systems	5
MBA-3	Human Resource	MBHR-03	Cross Cultural and Global Management	5
MBA-3	Information Technology	MBIT-01	Database Management	5
MBA-3	Information Technology	MBIT-02	Syatem Analysis and Design	5

MBA-3	Information Technology	MBIT-03	Management Support System	5
MBA-3	Marketing	MBMK-01	Consumer Behaviour	5
MBA-3	Marketing	MBMK-02	Sales Promotion Management	5
MBA-3	Marketing	MBMK-03	Marketing of Services	5
MBA-3	Operations	MBOP-01	Purchasing and Materials Management	5
MBA-3	Operations	MBOP-02	Logistics Management	5
MBA-3	Operations	MBOP-03	Service Operations Management	5
MBA-3	Project Management	MBPM_01	Introduction to Project Management	5
MBA-3	Project Management	MBPM_01	Project Planning and Scheduling	5
MBA-3	Project Management	MBPM_01	Managing human resource in Projects	5
MBA-3	Retail Management	MBRM-01	Buyer Behaviour	5
MBA-3	Retail Management	MBRM-01	Retail Planning	5
MBA-3	Retail Management	MBRM-01	Direct and Network Marketing	5
MBA-3	Total Quality Management	MFTQM-01	Methodological Approaches to TQM	5
MBA-3	Total Quality Management	MFTQM-02	Tools of TQM	5
MBA-3	Total Quality Management	MFTQM-03	Leadership requirements for TQM	5

Executive MBA (With Specialization)

Course Name: Executive MBA

Duration: 1 Years

Eligibility: Graduation + 3 year work experiance / 3 year Polytechnic Diploma + 5 year work experiance

Semester 1st

Code	Subjects	Credits
EMB-10 1	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 Behavior	5
EMB-108	Operations Management	5
EMB-109	Legal Aspects of Business	5
	Total Credits	**45**

Semester 2nd

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-205	Elective 1	5
EMB-206	Elective 2	5
EMB-207	Elective 3	5
EMB-208	Elective 4	5
EMB-209	Project Report	5
	Project Viva-Voce	2
	Total Credits	**47**

ELECTIVE SUBJECTS

Human Resource Management

Code	Subjects	Credits
EMBHR-205	Training & Development	5
EMBHR-206	Organizational Development & Team Building	5
EMBHR-207	Industrial Relation	5
EMBHR-208	International HRM	5

Finance Management

Code	Subjects	Credits
EMBFM-205	Corporate Finance	5
EMBFM-206	Investment Management	5
EMBFM-207	Security Analysis & Portfolio Management	5
EMBFM-208	Financial Derivatives	5

IT Management

Code	Subjects	Credits
EMBIT-205	Database Management System	5
EMBIT-206	Structured System Analysis & Design	5
EMBIT-207	E-Commerce	5
EMBIT-208	ERP	5

Marketing Management

Code	Subjects	Credits
EMBMM-205	Services Marketing	5
EMBMM-206	Brand Management	5
EMBMM-207	Industrial Marketing	5
EMBMM-208	Marketing Research & Consumer Behavior	5

Insurance & Banking

Code	Subjects	Credits
EMBIN-205	Principals of Insurance	5
EMBIN-206	Management of General Insurance	5
EMBIN-207	Banking System	5
EMBIN-208	Banking Laws & Practices	5

Production & Operation Management:

Code	Subjects	Credits
EMBOM-205	Materials Management	5
EMBOM-206	Production Technique	5
EMBOM-207	Project Management	5
EMBOM-208	Logistic Management	5

Hospitality & Tourism Management:

Code	Subjects	Credits
EMBHM-205	Hospitality Management	5
EMBHM-206	Tourism Planning & Marketing	5
EMBHM-207	International Hospitality Law	5
EMBHM-208	Tourism Business Environment	5

Retail Management

Code	Subjects	Credits
EMBRM-205	Retailing & Retail Formats	5
EMBRM-206	Retail Strategies	5
EMBRM-207	Retail Organization & Managing Retail Personnel	5
EMBRM-208	Retail Merchandise Management	5

Project Management:

Code	Subjects	Credits
EMBPM-205	Project Management Concepts	5
EMBPM-206	Project Planning	5
EMBPM-207	Project Performance, Measurement Control	5
EMBPM-208	Project Evaluation Techniques	5

International Marketing

Code	Subjects	Credits
EMBIM-205	International Trading	5
EMBIM-206	International Marketing	5
EMBIM-207	World Economy & Globalization	5
EMBIM-208	International Logistic Management	5

BBA

Course Name : BBA

Duration: 3 years

Eligibility :

a) Candidates who have successfully completed the requirements of Pre University / Higher Secondary / 10 + 2 Examination or Equivalent from a recognized Board / Council

b) OR Diploma Holders (10 + 3) of a recognized University / State Technical Board

Academic Structure

BBA Semester - I

BBA-011	Principles of Management	3
BBA-012	Marketing Management	4
BBA-013	Mangerial Economics	3
BBA-014	Introduction to computers	2
BBA-015	English – I	2
BBA-016	Indian Constitution &Ethics	2
	Total Credits	**16**

BBA Semester- II

BBA-021	Organization Behaviour	3
BBA-022	Business Communication	3
BBA-023	Business Law	3
BBA-024	Production and operations Mgmt.	3
BBA-025	Financial Accounting	3
BBA-026	Communication in English	2
BBA-027	Environmental studies	2
	Total Credits	**19**

BBA Semester - III

BBA-031	Mathematics for Business Economics	4
BBA-032	Logistics Management	3
BBA-033	Human Resource Management	3
BBA-034	Introduction to Internet	3
BBA-035	Entrepreneurship & small Business Management	3
	Total Credits	**16**

BBA Semester - IV

BBA-041	Advertising Fundamental	4
BBA-042	Business Policy	3
BBA-043	Financial Reporting	3
BBA-044	E- commerce	3
BBA-045	Project Management	3
	Total Credits	**16**

BBA Semester - V

BBA-051	Corporate Legal Framework	3
BBA-052	Business Environment	3
BBA-053	Elective –I	3
BBA-054	Elective -II	3
BBA-055	Elective -III	3
	Total Credits	**15**

BBA Semester - VI

BBA-061	Management Information System	3
BBA-062	Quality Management	3
BBA-063	Elective -I	3
BBA-064	Elective -11	3
BBA-065	Project	6
	Total Credit	**18**
	Total Credits	**100**

Elective Subjects shall be announced in the following streams

1. Finance
2. Marketing
3. Human Resource Management
4. Insurance & Banking
5. Hospitality
6. Retail
7. Information Technology
8. Production & Operation mgmt.

MCA

Course Name: MCA

Duration of Course: 3 Years

Eligibility

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University with mathematics in 10+2

or

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University have completed their 6 months course in IT/Computer Applications.

Admission to Second Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed four semesters of GNIIT or 2 year certificate course from any recognized institution.

Admission to Third Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed PGDCA /PGDIT from a recognised University or BE(CS /IT) or GNIIT or PGDCA from Cal-C or BCA/BSc(CS) from a recognised University.

Admission to Fifth Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed MSc (IT/CS) from a recognised University.

Lateral Exit Scheme

After successful completion of first two semesters of MCA, the candidate shall be eligible to obtain a Post Graduate Diploma in Computer Applications (PGDCA).

After successful completion of first four semesters of MCA, the candidate shall be eligible to obtain Advanced Diploma in Computer Applications (ADCA).

Note : The student who will opt for lateral exit will not be able to continue this Programme

Semester - I

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA11	Mathematics	4	20	80	100
MCA12	Data Structure	4	20	80	100

MCA13	Programming in C	4	20	80	100
MCA14	Financial Accounting	4	20	80	100
MCA15-L	Lab - C Programming Lab and Windows based Application	1	20	80	100
MCA16-L	Lab-Data Structure	1	20	80	100
	Total Credits	**18**			

Semester - II

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA21	Discrete Mathematics	4	20	80	100
MCA22	DBMS	4	20	80	100
MCA23	OOPS with C++	4	20	80	100
MCA24	Computer Organization and Architecture	4	20	80	100
MCA25	Lab - DBMS	1	20	80	100
MCA26	Lab - OOPS (C++)	1	20	80	100
	Total Credits	**18**			

Semester - III

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA31	Data Communication	4	20	80	100
MCA32	Advanced Computer Graphics	4	20	80	100
MCA33	Advanced Operating System	4	20	80	100
MCA34	Unix and Shell Programming	4	20	80	100
MCA35-L	Lab -Unix	1	20	80	100
MCA36-L	Lab -Operating System	1	20	80	100
	Total Credits	**18**			

Semester - IV

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA41	Advanced Software Engineering	4	20	80	100
MCA42	Analysis and Design of Algorithm	4	20	80	100
MCA43	Advanced Java Programming	4	20	80	100
MCA44	System Programming	4	20	80	100
MCA45	RDBMS Lab	1	20	80	100
MCA46	Advanced Java Programming Lab	1	20	80	100
	Total Credits	**18**			

Semester - V

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA51	Advanced Computer Network and Security	4	20	80	100
MCA52	Internet Programming and Web Designing	4	20	80	100
MCA53	Data Warehousing and Data Mining	4	20	80	100
MCA54	Elective-1 (Any One)	4	20	80	100
MCA54-1	(1) Computer Design				
MCA54-2	(2) Pattern Recognition				
MCA54-3	(3) Client Server Architecture				
MCA55	Graphics Lab	1	20	80	100
MCA56	Web Designing/ Internet Lab	1	20	80	100
	Total Credits	**18**			

Semester - VI

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
MCA61	Advanced MIS and E-Commerce	4	20	80	100
MCA62	Elective-2	4	20	80	100
MCA62-1	(1) Mobile Computing and communication				
MCA62-2	(2) Operation Research				
MCA62-3	(3) Artificial Intelligence				
MCA63	Elective-3		20	80	100
MCA63-1	(1) Simulation and Modeling				
MCA63-2	(2) Advance Computer Architecture				
MCA63-3	(3) Network Management				
MCA65	Project	6	20	80	100
	Total Credits	**18**			

Total Credits – 108

Evaluation System

Evaluation System :

The distribution of marks for evaluation in each subject shall be as follows –

Theory Subjects :

Internal assessment 20 marks

Term End University Examination 80 marks

Practicals :

Internal assessment (for each practical)	20 marks
Term End University Examination	80 marks

Project :

Internal Assessment	20 marks
University Examination	80 marks

Minimum percentage for passing : 40% in each component.

Course exemption : 40% marks in equivalent examination

M.Sc IT

Course Name: M.Sc IT

Duration of Course: 2 Years

Admission to First Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University with mathematics in 10+2

or

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have either completed their 6 months course in IT/Computer Applications or have one year IT experience.

Lateral Entry Scheme

Admission to Second Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have successfully completed four semesters of GNIIT or 2 year certificate course from any recognized institution.

Admission to Third Semester

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed PGDCA /PGDIT from a recognised University or BE(CS /IT) or GNIIT or PGDCA from Cal-C or BCA/BSc(CS/IT) from a recognised University.

Note : *The student who will opt for lateral exit will not be able to continue this programme.*

1st Semester

Subject Code	Subject Name	Credits	Internal Assessment	Examination	Total
MS 11	Computer Programming	5	20	80	100
MS 12	Algorithm Analysis and Design	4	20	80	100
MS 13	Discrete Mathematics	3	20	80	100
MS 14	Advanced RDBMS	3	20	80	100
MS-L1	Advanced RDBMS (Lab) AND Computer Programming (Lab) and Algorithm Analysis and Design (Lab)	3	20	80	100
	Total Credits	**18**			

2nd Semester

Subject Code	Subject Name	Credits	Internal Assessment	Examination	Total
MS 21	Software Quality and Testing	4	20	80	100
MS 22	Advanced Communication Networks	3	20	80	100
MS 23	OOAD and UML	3	20	80	100
MS 24	Advanced JAVA	4	20	80	100
MS 25	Software Architecture	2	20	80	100
MS-L2	Advanced JAVA (Lab) and OOAD and UML (Lab)	2	20	80	100
	Total Credits	**18**			

3rd Semester

Subject Code	Subject Name	Credits	Internal Assessment	Examination	Total
MS 31	Project Management and Planning	3	20	80	100
MS 32	Client Server Computing	3	20	80	100
MS 33	Real Time System	2	20	80	100
MS 34	Project Synopsis	4	20	80	100

Electives Stream 1:

E - Commerce

MSCE11	E - Commerce	3	20	80	100
MS3E12	Data Warehousing	3	20	80	100

Electives Stream 2:

Systems and Networking

MS 3E21	Internet Programming	3	20	80	100
MS 3E22	Mobile Computing	3	20	80	100

Electives Stream 3:

Multimedia and Cognition

MS 3E31	Pattern Recognition	3	20	80	100
MS 3E32	Multimedia Computing	3	20	80	100
	Total Credits	**18**			

4th Semester

MS 41	.NET Technology	4	20	80	100
MS 42	Component Technologies	3	20	80	100
MS 43	VLSI	2	20	80	100
MS 44	Project	6	20	80	100

Electives Stream 1:

E-Commerce

MS 4E13	Cyber La ws	2	20	80	100
MS 4E14	Application Server	2	20	80	100

Electives Stream 2:

Systems and Networking

MS 4E23	Voice and Video over IP	2	20	80	100
MS 4E24	Embedded Systems	2	20	80	100

Electives Stream 3:

Multimedia and Cognition

MS 4E33	Artificial Intelligence	2	20	80	100
MS 4E34	Image Processing	2	20	80	100
	Total Credits	**19**			

Total Credits – 73

Evaluation System :

The distribution of marks for evaluation in each subject shall be as follows –

Theory Subjects :

Internal assessment	20 marks
Term End University Examination	80 marks
Practicals :	
Internal assessment (for each practical)	20 marks
Term End University Examination	80 marks
Project :	
Internal Assessment	20 marks
University Examination	80 marks

Minimum percentage for passing : 40% in each component.

Course exemption : 40% marks in equivalent examination

M.Sc Computer Science

Course Name: M.Sc Computer Science

Duration of Course: 2 Years

Admission to First Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University with mathematics in 10+2

or

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have either completed their 6 months course in IT/Computer Applications or have one year IT experience.

Lateral Entry Scheme

Admission to Second Semester

- Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and have successfully completed four semesters of GNIIT or 2 year certificate course from any recognized institution.

Admission to Third Semester

Admission is open to those candidates who have successfully completed their Graduation in any discipline from a recognised University and has successfully completed PGDCA /PGDIT from a recognised University or BE(CS /IT) or GNIIT or PGDCA from Cal-C or BCA/BSc(CS/IT) from a recognised University.

Note : The student who will opt for lateral exit will not be able to continue this programme.

Semester 1st

Code	Subjects	Credits
MSCS101	Discrete Mathematics	3
MSCS102	Object Oriented Programming with JAVA	3
MSCS103	Computer Architecture	4
MSCS104	Data Structure	4
MSCS105	Practical -1: OOP using JAVA	2
MSCS106	Practical-2: Data Structure using C	2
	Total Credits	**18**

Semester 2nd

Code	Subjects	Credits
MSCS201	Analysis & Design of Algorithm	3
MSCS 202	DBMS	4
MSCS 203	Linux Internals	4
MSCS 204	Computer Networks	3
MSCS 205	Practical-1: ADA & DBMS Laboratory	2
MSCS 206	Practical-2: Linux Internals & Networking Programming	2
	Total Credits	**18**

Semester 3rd

Code	Subjects	Credits
MSCS301	Software Engineering	3
MSCS302	Visual Technologies	3
MSCS303	Computer Graphic & Visualization	3
MSCS304	Elective-1	4
MSCS305	Mini Project	6
	Total Credits	**19**

Semester 4th

Code	Subjects	Credits
MSCS401	Management Information System & ERP	3
MSCS402	Elective -2	5
MSCS403	Major Project	10
	Total Credits	**18**

Electives

Semester 3rd

Data Mining
Simulation & Modeling

Semester 4th

Cryptography & Network Security
Theory of Computation

Note: A Candidate has to choose one from this list as an Elective-1 in 3rd semester and one from the same list as an Elective-2 in the 4th semester.

Bachelor in Computer Application

Duration of Course: 3 Years

Eligibility Criteria :

Admission to First Semester

Admission is open to those candidates who have successfully completed their 10+2 in any discipline.

Lateral Entry Scheme

Admission to Second Semester

The candidate has successfully completed 10+2+ 6 months IT Course from a recognised institute or has a one year of IT experience.

Admission to Third Semester

The candidate who have successfully completed a 3 year Polytechnic Diploma in any subject from State Technical Board after 10th Standard+6 month Computer Application Course /10+2+1 year Computer Application.

Or

Admission is open to those candidates who have successfully completed their 10+2 in any discipline and the candidate has successfully completed two semesters of ADCA from TCIL –IT/DIT/DCA from Cal-C after 10+2 or has done one year certificate / diploma from a reputed / recognised institute or has two years of IT experience.

Lateral Exit Scheme

After successful completion of first semester of BCA, the candidate shall be eligible to obtain a Certificate in Information Technology.

After successful completion of first two semesters of BCA, the candidate shall be eligible to obtain a Diploma in Information Technology.

Note : The student who will opt for lateral exit will not be able to continue this programme.

Program Structure

Semester 1st

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA11	Computer Fundamentals and Windows based Applications	4	25	75	100
BCA12	English -I	2	25	75	100
BCA13	Programming in C	2	25	75	100
BCA14	Data Structure	2	25	75	100
BCA15L	C-Programming Lab	2	25	75	100
BCA16-L	Windows based Application Lab	2	25	75	100

BCA 17	Indian Consitution & Ethics	2	25	75	100
	Total Credits	**16**			

Semester 2nd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA21	Mathematics	4	25	75	100
BCA22	Computer Organization and Architecture	2	25	75	100
BCA23	DBMS	4	25	75	100
BCA24	OOPS with C++	2	25	75	100
BCA25L	C++ Lab	2	25	75	100
BCA26-L	Data Structure Lab	2	25	75	100
BCA 27	Communication in English	2	25	75	100
BCA28	Environmental Studies	2	25	75	100
	Total Credits	**20**			

Semester 3rd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA31	Data Communications	3	25	75	100
BCA32	Operating Systems	2	25	75	100
BCA33	Computer Graphics	2	25	75	100
BCA34	Client-Server Architecture	3	25	75	100
BCA35-L	Graphics Lab	2	25	75	100
BCA36-L	DBMS Lab	2	25	75	100
	Total Credits	**14**			

Semester 4th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA41	Software Engineering	4	25	75	100
BCA42	Java Programming	2	25	75	100
BCA43	Relational Database Management System	2	25	75	100
BCA44	Unix and Shell Programming	4	25	75	100
BCA45-L	Java Lab	2	25	75	100
BCA46-L	Unix Lab	2	25	75	100
	Total Credits	**16**			

Semester 5th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA51	Algorithm And Analysis	4	25	75	100
BCA52	Internet Programming	2	25	75	100
BCA53	Application Programming	4	25	75	100
BCA54	System Programming	2	25	75	100
BCA55-L	Web Designing/ Internet Lab	2	25	75	100
BCA56-L	Application Programming Lab	2	25	75	100
	Total Credits	16	25	75	100

Semester 6th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BCA61	MIS and Enterprise Recourse Planning(ERP)	4	25	75	100
BCA62	Computer Network and Security	2	25	75	100
BCA63	ADA Lab	2	25	75	100
BCA64	System Programming Lab	4	25	75	100
BCA65-L	Project: System Side or Application Side	6	25	75	100
	Total Credits	**18**			

Total Credits of the Programme - 100

Evaluation System :

The distribution of marks for evaluation in each subject shall be as follows –

Theory Subjects :

Internal assessment	25 marks
Term End University Examination	75 marks
Practicals :	
Internal assessment (for each practical)	25 marks
Term End University Examination	75 marks
Project :	
Internal Assessment	25 marks
University Examination	75 marks

Minimum percentage for passing : 40% in each component.

Course exemption : 40% marks in equivalent examination

BSc-IT

Course Name: BSc-IT

Duration of Course: 3 Years

Eligibility Criteria :

Admission to First Semester

Admission is open to those candidates who have successfully completed their 10+2 in any discipline.

Lateral Entry Scheme

Admission to Second Semester

The candidate has successfully completed 10+2+ 6 months IT/CS Course from a recognised institute or has a one year of IT experience.

Admission to Third Semester

The candidate who have successfully completed a 3 year Polytechnic Diploma in any subject from State Technical Board after 10th Standard+6 month Computer Application Course /10+2+1 year Computer Application.

OR

Admission is open to those candidates who have successfully completed their 10+2 in any discipline and the candidate has successfully completed two semesters of ADCA from TCIL –IT/DIT/DCA from Cal-C after 10+2 or has done one year certificate / diploma in IT/CS from a reputed / recognised institute or has two years of IT/CS experience.

Lateral Exit Scheme

After successful completion of first semester of BScIT, the candidate shall be eligible to obtain a Certificate in Information Technology.
After successful completion of first two semesters of BScIT, the candidate shall be eligible to obtain a Diploma in Information Technology.

Note : The student who will opt for lateral exit will not be able to continue this programme.

Program Structure

Semester 1st

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS11	Fundamentals of Computers	3	25	75	100
BS12	Operating Systems	3	25	75	100
BS13	Introduction to Digital Electronics	2	25	75	100
BS14	Database Management System	2	25	75	100
BS15	Basics of Internet and HTML	2	25	75	100
BS-L1	Database Management System(Lab) and Basics of Internet and HTML(Lab)	2	25	75	100

BS16	English -I	2	25	75	100
BS17	Indian Constitution & Ethics	2	25	75	100
	Total Credits	**18**			

Semester 2nd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS21	Introduction to Programming - C Language	3	25	75	100
BS22	Computer Architecture	2	25	75	100
BS23	RDBMS	3	25	75	100
BS24	Digital Computer Fundamentals	2	25	75	100
BS25	Business Communication	2	25	75	100
BS-L2	C Programming Lab and RDBMS Lab	2	25	75	100
BS26	Communication in English	2	25	75	100
BS27	Environmental Studies	2	25	75	100
	Total Credits	**18**			

Semester 3rd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS31	Computer Graphics	3	25	75	100
BS32	Web Programming & Java Script	2	25	75	100
BS33	Data Communication	2	25	75	100
BS34	Object Oriented Programming with C++	3	25	75	100
BS35	Mathematics -I	2	25	75	100
BS-L3	Web Programming & Java Script Lab and Object Oriented Programming with C++ Lab	2	25	75	100
	Total Credits	**14**			

Semester 4th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS41	Visual Programming	4	25	75	100
BS42	Computer Networks	2	25	75	100
BS43	Data Structures Using C++	2	25	75	100
BS44	Java Programming	4	25	75	100
BS45	Mathematics -II	2	25	75	100
BS-L4	Data Structures Using C++ Lab and Java Programming	2	25	75	100
	Total Credits	**14**			

Semester 5th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS51	Software Engineering	4	25	75	100
BS52	Design Analysis and Algorithm	2	25	75	100
BS53	Advance Java Programming	4	25	75	100
BS54	Network Programming	2	25	75	100
BS55	Mathematics-III	2	25	75	100
BS-L5	Algorithms Lab and Advanced Java Programming Lab	2	25	75	100
	Total Credits	**16**			

Semester 6th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BS61	Unix Systems Programming	4	25	75	100
BS62	ASP.NET Programming using C#	2	25	75	100
BS63	VB.NET and XML	2	25	75	100
BS64	Software Quality and Testing	4	25	75	100
BS-L6	Unix Systems Programming Lab and ASP.NET Programming using C# Lab and VB.NET and XML Lab	2	25	75	100
BS65	Project	6	25	75	100
	Total Credits	**20**			

Total Credits of the Programme - 100

Evaluation System :

The distribution of marks for evaluation in each subject shall be as follows –

Theory Subjects :

Internal assessment	25 marks
Term End University Examination	75 marks
Practicals :	
Internal assessment (for each practical)	25 marks
Term End University Examination	75 marks
Project :	
Internal Assessment	25 marks
University Examination	75 marks

Minimum percentage for passing : 40% in each component.

Course exemption : 40% marks in equivalent examination

B.Sc Computer Science

Course Name: B.Sc Computer Science

Duration of Course: 3 Years

Eligibility Criteria :

Admission to First Semester

Admission is open to those candidates who have successfully completed their 10+2 in any discipline.

Lateral Entry Scheme

Admission to Second Semester

The candidate has successfully completed 10+2+6 months IT/CS Course from a recognised institute or has a one year of IT experience.

Admission to Third Semester

The candidate who have successfully completed a 3 year Polytechnic Diploma in any subject from State Technical Board after 10th Standard+6 months Computer Application Course/10+2+1 year Computer Application.

OR

Admission is open to those candidates who have successfully completed their 10+2 in any discipline and the candidate has successfully completed two semesters of ADCA from TCIL –IT/DIT/DCA from Cal-C after 10+2 or has done one year certificate / diploma in IT/CS from a reputed / recognised institute or has two years of IT/CS experience.

Lateral Exit Scheme

After successful completion of first semester of BScIT, the candidate shall be eligible to obtain a Certificate in Information Technology.
After successful completion of first two semesters of BScIT, the candidate shall be eligible to obtain a Diploma in Information Technology.

Note : The student who will opt for lateral exit will not be able to continue this programme.

Program Structure

Semester 1st

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS101	Introduction to Information Technology	4	25	75	100
BSCS102	Operating Systems	3	25	75	100
BSCS103	Programming in C	3	25	75	100
BSCS104	English -I	2	25	75	100
BSCS105	Programming in C Lab	2	25	75	100

BSCS6	Indian Constitution & Ethics	2	25	75	100
	Total Credits	**16**			

Semester 2nd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS201	Logical Computer System	3	25	75	100
BSCS202	Computer Architecture	2	25	75	100
BSCS203	RDBMS	3	25	75	100
BSCS204	Modern Information System	2	25	75	100
BS205	Business Communication	2	25	75	100
BSCS-L2	RDBMS Lab	2	25	75	100
BS 26	Communication In English	2	25	75	100
BS27	Environmental Studies	2	25	75	100
	Total Credits	**18**			

Semester 3rd

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS301	Data Structure	3	25	75	100
BSCS302	Computer Graphics	3	25	75	100
BSCS303	Data Communication	3	25	75	100
BSCS304	Object Oriented Programming with C++	3	25	75	100
BSCS305	Mathematics - I	2	25	75	100
BSCS-306	Object Oriented Programming with C++ Lab	2	25	75	100
	Total Credits	**16**			

Semester 4th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS401	Networking Concepts	4	25	75	100
BSCS402	Fundamentals of Business Mgmt. Practice	2	25	75	100
BSCS403	Data Structures Using C++	2	25	75	100
BSCS404	Visual Programming	4	25	75	100
BSCS405	Mathematics -II	2	25	75	100
BSCS406	Data Structures Using C++& Visual programming Lab	2	25	75	100
	Total Credits	**16**			

Semester 5th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS501	Software Engineering	4	25	75	100
BSCS502	Internet and web development	3	25	75	100
BSCS503	Java Programming	4	25	75	100
BSCS504	E-Commerce	3	25	75	100
BSCS505	Java Programming Lab	2	25	75	100
	Total Credits	**16**			

Semester 6th

Course Code	Course Name	Credits	Internal Assessment	Examination	Total
BSCS601	Web Technologies & Multimedia	4	25	75	100
BSCS602	VB.NET	2	25	75	100
BSCS603	VB.NET Lab	2	25	75	100
BSCS604	Software lab	2	25	75	100
BSCS605	Project	6	25	75	100
	Total Credits	**18**			

Total Credits of the Programme - 100

PGDCA

Course Name: PGDCA
Duration of Course: 1 year
Eligibility: Graduation

Semester 1st

Code	Subjects	Credits
PGDCA101	Mathematics	4
PGDCA202	Data Structure	4
PGDCA203	Programming in C	4
PGDCA204	Financial Accounting	4
PGDCA205	C Programming Lab and Windows based Application lab	1
PGDCA206	Data Structure Lab	1
	Total Credits	**18**

Semester 2nd

Code	Subjects	Credits
PGDCA201	Discrete Mathematics	4
PGDCA202	DBMS	4
PGDCA203	OOPS with C++	4
PGDCA204	Computer Organization and Architecture	4
PGDCA205	DBMS Lab	1
PGDCA206	OOPS(C++) Lab	1
	Total Credits	**18**

Diploma in Computer Application

Course Name: Diploma in Computer Application

Duration of Course: 1 Year

Eligibility: 10+2 or equivalent

Semester 1st

Code	Subjects	Credits
DCA101	Computer Fundamentals and Windows Based Application	4
DCA102	Communication Skills in English	4
DCA103	Programming in C	4
DCA104	Data Structure	3
DCA105	C Programming Lab	3
DCA106	Windows based Application lab	2
	Total Credits	**20**

Semester 2nd

CODE	Subjects	Credits
DCA201	Mathematics	4
DCA202	Computer Organization and Architecture	4
DCA203	DBMS	4
DCA204	OOPS with C++ OOPS with C++	3
DCA205	C++ Lab	3
DCA206	Data Structure Lab	2
	Total Credits	**20**

Diploma in Hardware & Networking

Course Name: Diploma in Hardware & Networking

Duration of Course: 1 Year

Eligibility: 10+2 or equivalent

Semester 1st

Code	Subjects	Credits
DHN101	Fundamentals of Information Technology & Operating Systems	4
DHN102	Basics of Electronics & Microprocessor	4
DHN103	PC Assembling & Troubleshooting	4
DHN104	Programming in C	4
DHN105	Communication & Soft Skills	4
	Total Credits	**20**

Semester 2nd

Code	Subjects	Credits
DHN201	Computer Networks	4
DHN202	Windows 2003 Server Administration	4
DHN203	Linux Administration	4
DHN204	Database Administration	4
DHN205	Software Lab- 1 (Windows 2003 Server & Linux)	4
	Total Credits	**20**

Certificate in Computer Application

Course Name: Certificate in Computer Application

Duration of Course: 6 Months

Eligibility: 10th Standard or equivalent

Semester 1st

Code	Subjects	Credits
CCA101	Computer Fundamentals and Windows Based Application	4
CCA102	Communication Skills in English	4
CCA103	Programming in C	4
CCA104	Data Structure	3
CCA105	C Programming Lab	3
CCA106	Windows based Application lab	2
	Total Credits	**20**

Diploma in Hotel Management (DHM)

Course Name: Diploma in Hotel Management (DHM)

Duration of Course: 1 Year

Eligibility: 10+2 or equivalent

Semester 1st

Code	Subjects	Credits
DHM101	Basic Food Production	4
DHM102	Basic Food Production Pr.	4
DHM103	Food & Beverage Service	4
DHM104	Food & Beverage Service Pr.	2
DHM105	Front Office Operations	4
DHM106	Front Office Operations Pr	2
	Total Credits	**20**

Semester 2nd

Code	Subjects	Credits
DHM201	Computer Fundamentals	4
DHM202	Computer Fundamentals Pr.	4
DHM203	Hotel House Keeping – 1	4
DHM204	Hotel House Keeping 1 Pr.	2
DHM205	Food & Beverage Service – 2	4
DHM206	Food & Beverage Service -2 Pr.	2
	Total Credits	**20**

Diploma in Nursery Teacher Training (NTT)

Course Name: Diploma in Nursery Teacher Training (NTT)

Duration of Course: 1 Year

Eligibility: 10th Standard or equivalent

Semester 1st

Code	Subjects	Credits
NTT101	Child Psychology, Care & Health	4
NTT102	Sociology & Guidance	4
NTT103	Principles of Education	4
NTT104	Lesson Plan & Teaching	4
NTT105	Art & Craft	4
	Total Credits	**20**

Semester 2nd

CODE	Subjects	Credits
NTT201	Education Psychology	4
NTT202	Modern Methods of Teaching	4
NTT203	Method of Teaching Sub. & Computer Education	4
NTT204	Art File and Other File	4
NTT205	Prepration of Teaching Aids	4
	Total Credits	**20**

M.SC. Mathematics

Course : Msc Maths

Eligibility : BA Math / B.Sc Math

Semester - 1

Paper Code	Title Of The Paper	Theory	Min For Pass	I.A max	Total Marks	Min For Pass	Credits
Math 1.1	Algebra	80	32	20	100	40	3
Math 1.2	Real Analysis – I	80	32	20	100	40	3
Math 1.3	Complex Analysis – I	80	32	20	100	40	3
Math 1.4	Discrete Mathematics	80	32	20	100	40	3
Math 1.5	Differential Equations	80	32	20	100	40	3

Semester - II

Paper Code	Title Of The Paper	Theory	Min For Pass	I.A max	Total Marks	Min For Pass	Credits
Math 2.1	Linear Algebra	80	32	20	100	40	3
Math 2.2	Real Analysis – II	80	32	20	100	40	3
Math 2.3	Complex Analysis – II	80	32	20	100	40	3
Math 2.4	Numerical Analysis	80	32	20	100	40	3
Math 2.5	Operation Research	80	32	20	100	40	3

Semester - III

Paper Code	Title Of The Paper	Theory	Min For Pass	I.A max	Total Marks	Min For Pass	Credits
Math 3.1	Topology	80	32	20	100	40	4
Math 3.2	Measure Theory	80	32	20	100	40	4
Math 3.3	Functional Analysis	80	32	20	100	40	4
Math 3.4	Mathematical Modeling	80	32	20	100	40	4
Math 3.5	Computer Programming	80	32	20	100	40	4

Semester - IV

Paper Code	Title Of The Paper	Theory	Min For Pass	I.A max	Total Marks	Min For Pass	Credits
Math 4.1	Number Theory	80	32	20	100	40	4
Math 4.2	Graph theory and algorithms	80	32	20	100	40	4
Math 4.3	Fluid Mechanics	80	32	20	100	40	4
Math 4.4	Mathematical Statistics	80	32	20	100	40	4
Math 4.5	Dissertation	80	32	20	100	40	4
	Grand Total				**2000 Marks**		**70 Credits**

Master of Law (LL.M) Programme Structure

1. **Programme Title**

   The programme is a Post Graduate in law leading to the award of Master Degree in law (LL.M)

2. Specialization in the Programme

   The programme is offered with a specialization and "Intellectual Property and Technology Law" is the specialization with which LL.M programme is being offered in the current academic year (2010-2011).

   From the next academic year (2011-2012) "Commercial Law" specialization would also be offered.

3. **Programme duration**

   The duration of the programme is 'two academic years' from the year of admission to the program.

4. **Medium of Instruction**

   The medium of instruction for LL.M is English. The University supplies study material in English for the students in SLM pattern in addition to face to face counseling. The study material, guidelines will be in English. The contact classes will be conducted in English only. The examination would also be in English medium.

5. **Eligibility for Admission**

   Candidates who have passed LLB/BL from a recognized university are eligible to seek admission to the course. There shall be direct admission to the eligible candidates to the LL.M programme.

6. **Scheme of the Programme**

   The program will be in semester scheme and there shall be four semesters in the duration of two years of the program. The LL.M program is a two years duration master degree pragramme. There shall be comprising of two semesters.

7. **Program Structure and Syllabus**

Semester – I

			Marks			
Paper Code	**Title of the paper**	**IA**	**End Sem**	**Total**	**Min**	**Credits**
LLM – 1	Research Methodology	10	90	100	40	4
LLM – 2	Introduction to Intellectual Property and Patent Law	10	90	100	40	4
LLM – 3	Law of Plant Varieties and Farmer Rights	10	90	100	40	4
LLM – 4	Law of Copy Right	10	90	100	40	4

Semester – II

			Marks			
Paper Code	**Title of the paper**	**IA**	**End Sem**	**Total**	**Min**	**Credits**
LLM – 5	Law of Trade marks & Domain names	10	90	100	40	4
LLM – 6	Law of Design & Integrated Circuits	10	90	100	40	4

LLM – 7	Law of Trade Secrets	10	90	100	40	4
LLM – 8	Technology law and Society	10	90	100	40	4

Semester – III

			Marks			
Paper Code	**Title of the paper**	**IA**	**End Sem**	**Total**	**Min**	**Credits**
LLM – 9	Law on Geographical Indication and Traditional Knowledge	10	90	100	40	4
LLM–10	Law relating to Biotechnology	10	90	100	40	4
LLM–11	Information Technology Law	10	90	100	40	4
LLM–12	Technology Transfer & IPR	10	90	100	40	4

Semester – IV

			Marks			
Paper Code	**Title of the paper**	**IA**	**End Sem**	**Total**	**Min**	**Credits**
LLM -13	I P Audit and Management	10	90	100	40	4
LLM–14	I P and Competition Law	10	90	100	40	4
LLM–15	Dissertation	20	180	200	80	8

8. **Scheme of Examination and Marks Break up**

I) There shall be send semester examination at the end of each semester for 90 marks. Internal assessment shall be for 10 marks. Internal Assessment comprises of assignment / project for 10 marks. Valuation of assignment and conducting viva shall be done by concerned and qualified teachers /experts. 75% attendance is compulsory in contact programme in each course according to KSOU norms. Otherwise the candidate is not allowed to sit for the examinations.

II) Minimum marks for passing is 40 marks in each paper with minimum 36 marks out of 90 in the end semester examinations and 4 out of 10 in the internal assessment.

III) Minimum marks for passing in case of dissertation would be 80 marks with minimum 08 out of 20 marks in the presentation / viva voce and 72 out of 180 in the dissertation evaluation. Viva-Voce is compulsory for all candidates.

IV) In each paper there shall be 8 questions out of which 5 question have to be answered (16 X 5) = 80 Marks.

9. **Declaration of Results**

Declaration of results shall be as per the KSOU rules and regulations. The candidates should score and aggregate of 40% in all courses in both internal assessment (assignments) and the term end examinations.

10. **Credit system**

The university follows credits system for the LL.M program. There shall be 64 credits for the course. Every subject in the course carries 4 credits excluding the dissertation which carries 8 credits. Every semester carries 16 credits each. Credit denotes number of study hours.

FEES STRUCTURE FOR ALL PROGRAMME

S. No.	Particulars	Fees	
		UG RS	PG RS
1	Change Of Examination Centre	1000	
2	Re-Evaluation Per Paper	600	800
3	Re-Totalling Fee Per Paper/Course	400	500
4	Duplicate Markscard	400	450
5	Consolidated Marks Card (Additional Delay Fee Of Rs50/- Per Year)	300	350
6	Provisional Pass Certificated	400	450
7	Migration Certificate (Additional Search Fee Of Rs50/- Per Year)	400	450
8	Convocation Fee (In Person Medalists And Rank Holders)	600	650
9	Convocation Fee (In Absentia) Additional Search Fee Of Rs50/- Per Year)	700	750
10	Genuine Certificate	400	450
11	Genuine Certificate/ Verification Certificate For Overseas Students	2000	
12	Change Of The Name With Prior Permission From The University	1000/-	
13	Change Of Study Centre	1000/-	
14	Re-Enrollment Fees For All Courses After One Year Break	1000/-	
15	Issuing Of T.C/N.D.C	500/-	
16	Change Of Programme From One Diploma To Other Diploma	1000/-	
17	Duplicate I.D. Card	200/-	
18	Study Certificate	500/-	

Important Instructions To Candidates

1) A Candidate seeking admission to the programmes mentioned under List of Comprehensive Programmes on page 10, 11, and 12 of this prospectus should fill-in the Admission Form (attached to the prospectus) legibly in capital letters without overwriting after carefully reading the prospectus and indicate the program he/she wishes to study, In the space provided for the purpose.

2) Candidates who have failed or not appeared in any semester / year will be promoted to the next semester till the final semester / year , however he / she must clear all the failed / not appeared subjects with in the stipulated maximum duration of a course for the purpose of award of degree / diploma or certificate.

FEES DETAIL

a) For all programmes listed on page 10, 11, and 12 , student shall remit 25 % of the course fee plus Registration fee plus examination fee plus penal fee (if applicable) in the form of a demand draft in favor of Finance Officer ,KSOU payable at Mysore and balance 75 % of the course fee in the form of a DD in favor of Algol Universal Trust payable at Faridabad or Delhi

b) Candidates should not make any cash payments to the study centre / AUT / KSOU under any circumstances, except for the prospectus.

3) Candidates while sending the application form shall follow the instructions given below :

a) The application form duly filled-in should be submitted to the Study center on or before the last date as mentioned in the advertisement/ academic calendar available on AUT /KSOU website.

b) Before remitting the prescribed fees please make sure that you fulfill all the eligibility conditions for admission to the program applied for and enclose all the supporting certificates. Submission of certificates at a later date will not be entertained. The fees once remitted will not be refunded under any circumstances.

4) The candidates shall submit the filled-in application forms along with two crossed DD's, identity card and certificates to the respective Study Centers. The Study Centers shall forward these applications to the AUT office at Faridabad, after verifying the original certificates and certifying the Xerox copies by the coordinator of the Study center, along with the seal of the Study center. The study Centers shall return the original certificates and the candidate copy of 'Receipt for Admission Form' to the candidate and retain its copy of the receipt with them.

5) Admission made to any programme is provisional till the time University finally approves it.

6) Money orders, IPO, or any other mode of payment will not be accepted. The AUT and University will not be responsible for any loss through such modes of payment.

7) Candidates are required to preserve carefully the fee paid receipt and Xerox of demand draft for all payments made to the AUT and University, as it is the only valid document accepted. They may have to produce it at the time of obtaining examination admission ticket, 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 hosted on the AUT website http:// www.algolindia.com

9) In all correspondence with the University, the candidate shall quote his/her application No./Roll No., Program applied for and study centre details.

10) First semester program fees has to be paid by quoting the application number on the back of the Demand Drafts.

For further details and updates, please visit http:// www.algolindia.com or http://www.ksoumysore.edu.in regularly or send email to satish.algol@gmail.com

or call 0129 – 4270400 (100 lines), 09350607008. Your Study centre will be your source point for all information and guidance.

General Regulations

(a) A candidate has to register for all the subjects of a semester / year to which he/she is eligible at the beginning of each semester/year according to the scheduled dates.

(b) A candidate is permitted to register for the next higher semester in a similar way along with his registration in failed subjects of earlier semesters for that degree.

(c) A 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.

(d) A candidate has to finish the degree Programme within twice the duration of the academic Programme for that degree.

(e) The fee for appearing in the University examination will be as per guidelines communicated to the Study centers by KSOU for repeaters and examination fees as approved by KSOU for all the subjects of the semesters which is collected along with the fees while registering for a semester.

(f) A Candidate can register for improvement examination in his/her term-end University Examination for any subject in Post Graduate degree program only.

Academic Calendar

Semester Mode Courses

S.No	Events	Semester Mode Courses- July 2012-June 2012
1	Last Date of Admission Without Penal Fee	30th March 2012
2	Last Date of Admission With Penal Fee Rs.200/-	30th April 2012
3	List of Admission to be Submitted to The University for Approval(Strictly in Ledger Form)	30th June 2012
4	Submission of Internal Assessment Marks	10th May 2012
5	Examination Notification	15th May 2012
6	Examination will Begin from	Last Week of June 2012 to 6th July 2012

Rules of the University

1. Candidates shall abide by the Rules & Regulations in force as well as those that may be issued by the University from time to time.
2. False declaration of qualifcation by the candidate will disqualify his/her admission to the University including appropriate penal action.
3. All legal disputes, if any, shall come under the jurisdiction of Mysore City only.
4. This prospectus provides all necessary Information that you need as a candidate of the Semester courses of the University. Your are therefore advised to keep this prospectus till you complete your Programme. Avoid unnecessary queries about the details already available in this prospectus.
5. To receive the Degree Certifcate after passing the examination, a candidate should apply directly to The Registrar (Evaluation), Karnataka State Open University, Manasagangotri, Mysore- 570006, in the prescribed convocation form. Other details may be obtained from the University or AUT website after the press notifcation about the convocation is issued by the University.
6. Provisional Pass Certifcate will be issued by the Registrar (Evaluation) on request of the candidate with his/her details including photocopy copies of all previous Semester marks cards and on payment of prescribed fee of Rs 300/- (subject to change) through DD drawn in favor of Finance Offce, KSOU payable at Mysore, Soon after the declaration of results by the University.
7. If the original Identify Card is lost, duplicate Identity Card may be obtained from the offce of the Deputy Registrar (Admission) on payment of Rs. 170/- (subject to change) through DD drawn in favor of Finance Offcer, KSOU payable at Mysore.
8. Any change of address should be intimated to the University and AUT. Kindly note that any change of address in the middle of the academic year may cause serious delay or loss in the postal transit.
9. Original certifcates of the candidates will initially be verifed by the Study Centres and later by AUT / KSOU representatives at a place & time specifed by KSOU, in due course.
10. Changes/ updating 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.
11. Candidate registered for a Bachelor's Degree / Post Graduate Degree can also pursue a Diploma Programme simultaneously, however, pursuing two Degree Programmes is not permitted.
12. Students should carefully read all offcial correspondence and other sources of information for students (such as website) to be aware of change of information contained in this prospectus/ Visit KSOU website www.ksoumysore.edu.in and AUT website www.algolindia.com regularly for updates.
13. Fees once paid will not be refunded under any circumstances.
14. Algol Universal Trust, the second party, will be held responsible for any kind of litigation with regards to services.

Disclaimer

Contents of this prospectus are designed with the objective of providing information and broad guidelines to the students. University and Algol Universal Trust reserves the right to modify information with or without notice. For any disputes jurisdiction of Mysore Courts only would be applicable.

ALGOL UNIVERSAL TRUST

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