



KSIT
K. S. INSTITUTE OF TECHNOLOGY

K.S.INSTITUTE OF TECHNOLOGY

ACADEMIC RULES & REGULATIONS

APPLICABLE

TO

**MASTER OF COMPUTER APPLICATIONS (MCA)
PROGRAM**

OF

AUTONOMOUS SCHEME

(With Effect from 2025-2026)



K. S. INSTITUTE OF TECHNOLOGY

An Autonomous Institution, under Visvesvaraya Technological University,
Belagavi (Approved by AICTE, New Delhi & Government of Karnataka)

Accredited by NAAC with 'A+' Grade, NBA (CSE, ECE)

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-560 109, Karnataka, India.



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Vision

- To impart quality technical education with ethical values, employable skills and research to achieve excellence.

Mission

- To attract and retain highly qualified, experienced and committed faculty.
- To create relevant infrastructure.
- Network with industry and premier institutions to encourage emergence of new ideas by providing research and development facilities to strive for academic excellence.
- To inculcate the professional and ethical values among young students with employable skills and knowledge acquired to transform the society.

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GOVERNING BODY /COUNCIL

Composition of GC:

Chairman : President, Kammavari Sangham

Convener : Principal of the Institute

Members : Five members nominated by Management

1. Two senior faculty members nominated by the principal
2. Two Educationalist/Industrialist nominated by the Management
3. One member nominated by VTU.

Functions of GC:

1. To monitor conduction of examination and publishing the results.
2. Recommend and forward the results of examinations to the University for the Award of Degree.
3. Approval for the issue of grade cards to the students.

A. CONSTITUTION OF GOVERNING BODY OF THE COLLEGE RUN BY TRUST

MEMBERS OF THE GOVERNING BODY

Category	Position	Designation	Name
Management [5] [Two members to be updated by management]	Chairman	President, Kammavari Sangham	Sri R. Rajagopal Naidu
	Members	Hon. Secretary, Kammavari Sangham	Sri R. Leela Shankar Rao
		Treasurer, Kammavari Sangham	Sri T. Neerajakshulu Naidu
		Vice President	Dr. M. Rukmangada Naidu
		Vice President	Sri. B. Lokanadha Naidu
Teachers of the college [2]	Director (Admissions & PR), Prof. ECE dept.	Dr. Sangappa S B	
	IQAC coordinator & Prof. & Head Dept. of Computers & Communication Engg.	Dr. Chanda V Reddy	
	Dean Academics & Prof. & Head ECE dept.	Dr. P N Sudha	
Administrative Staff [1]	Office Manager	Mr. Y.V. Kesavan	
	Office superintendent	Mrs. C. Jyothi	
Educationist [1] or	Principal & Professor, Department of IEM, R. V. College of Engineering, Mysore Road. principal@rvce.edu.in subramanyakn@rvce.edu.in	Dr. K.N. Subramanya	

[1 member to be selected by management]	Members	Director Professor of Mechanical Engineering, Adhiyamaan College of Engineering. director@adhiyamaan.ac.in	Dr. G. Ranganath
Industrialist [1]		Analog Circuit Designer Intel Corporation, Intel, Bengaluru, Karnataka. ravichandran.Manjunath@gmail.com	Mr. Manjunath R
State Government nominee [1] [By VTU]		Academician not below the rank of professor or State Government official of Directorate of Higher Education/State Council of Higher Education	
VTU Nominee [1] [Nominated by the University]		Principal & Director, Channabasaveshwara Institute of Technology Gubbi, Tumakuru Road GUBBI-572216 director@cittumkur.org	Dr. Suresh D S
Member Secretary		Principal & Director	Dr. Dilip Kumar K

Academic Council (AC)

Composition of AC:

- Chairman : Principal of the Institute
- Convener : Dean Academic
- Members : All the Heads of Academic Departments in the Institute.

Functions of AC:

1. Scrutinize, approve and modify (if required) the proposals, recommended by the Board of Studies with regard to scheme, syllabi, curriculum and evaluation guidelines.
2. Frame Regulations consistent with the university norms/Guidelines for the conduct of examinations and initiate measures for improving the quality of teaching, student's performance evaluation and student advisory system in the Institute.
3. Approve the list of successful candidates for conferment of Degrees to the University.
4. Submissions of recommendations with norms to the Governing Body for institutional scholarships, fellowships, prizes and medals.

COMPOSITION OF ACADEMIC COUNCIL

Category	Position	Designation	Name
Principal	Chairman	Principal & Director	Dr. Dilip Kumar K
Heads of the department	Members	Prof. & Head AIML Prof. & Head CSD IQAC & Prof. & Head CCE Prof. & Head CSE (ICB) Prof. & Head CSE Prof. & Head ECE Prof. & Head MECH Prof. & Head Mathematics Assoc Prof. & Head Physics Asst. Prof. & Head Chemistry	Dr. Suresh Dr. Deepa. S. R Dr. Chanda V Reddy Prof. Kushal Kumar B N Dr. Rekha B Venkatapur Dr. P. N Sudha Dr. Anil Kumar Dr. Jalaja P Dr. Shashikala B S Dr. Kiran Kumar
Teaching Staff		Prof. dept. of ECE Assoc. Prof. dept. of Mathematics Assoc. Prof. dept. of Mech. Engg. Assoc. Prof. dept. of CSE	Dr. Rekha N Dr. Venkataramana B S Mr. M. Nagabhushana Mr. Raghavendrachar S
Industrialist [2]		Technical Director Technical Talent Development at Texas Instruments. Chief Growth officer- Pravaara Technologies, Bengaluru.	Mr. C P Ravi Kumar Dr Naganagouda S J

Educationist [3]	Principal & Professor ECE dept., Nitte Meenakshi Institute of Technology, Bengaluru. Principal & Professor Mechanical Engineering. New Horizon College of Engineering, Bengaluru. PhD (CSE), Professor at BMS College of Engineering, Bengaluru.	Dr. H.C. Nagaraj Dr. Manjunatha Dr. H S Guruprasad
VTU Nominees [3]	Professor & Head ECE dept. Don Bosco Institute of Technology, Kumbalgodu Mysore Road, Kengeri Hobli, Bengaluru-560074 Professor , Dept. of CSE, R V College of Engineering, R V Vidyaniketan Post, Mysore Road 8th Main, Bengaluru-560059 Professor ECE dept. Bangalore Institute of Technology, K R Road, V V Puram, Bengaluru-560004	Dr. Manjunatha Reddy H S Dr. Nagaraj G.S. Dr. Vijaya Prakash A M
The Controller of Examiner	CoE & Prof. Mech dept.	Dr. Umashankar M
Member Secretary	Dean Academics & Prof. & Head ECE dept.	Dr. P N Sudha

FINANCE COMMITTEE:

COMPOSITION OF FINANCE COMMITTEE

Category	Position	Designation	Name
Principal	Chairman	Principal & Director	Dr. Dilip Kumar K
Governing Body Nominee	Members	Prof. & Head CSE	Dr. Rekha B Venkatapur
Senior Teaching Faculty		Assoc. Prof. dept. of ECE	Dr. Devika B
Finance officer		Office Manager	Mr. Y.V. Kesavan

BOARD OF STUDIES (BOS)

COMPOSITION OF BOARD OF STUDIES (BOS):

Chairman : Head of the Department

Convener : Convener DAAC

Members : All members of DAAC

1. Two experts from outside the Institute.
2. One expert from outside the Institute nominated by the Vice Chancellor from a panel of six recommended by the principal.
3. One representative from Industry /Corporate sector/allied area nominated by the AC.
4. One post graduate meritorious alumnus to be nominated by the principal.
5. Chairman co -opts the members of BOS.
6. Co-opted Experts from outside the Institute whenever special courses of studies are to be formulated.
7. Other members of the faculty of the same department.

Functions of BOS:

1. Prepare the scheme of study, examination and syllabi for various program keeping in view the vision / mission objectives of the institute, interest of the stakeholders and State/National requirements for the consideration and approval of academic council.
2. Suggest HODs for improving teaching and evaluation techniques.
3. Prepare panel of experts for appointment as examiners.
4. Guide the department with respect to teaching, research, product development, extension and other academic activities.
5. Perform any other function assigned by the AC.

COMPOSITION OF BOARD OF STUDIES:

COMPUTER SCIENCE AND ENGINEERING & ALLIED BRANCHES FOR UG & PG

Category	Position	Designation	Name
Head of the Department	Chair Person	Professor & Head, CSE	Dr. REKHA.B.VENKATAPUR
All faculty members of the department (HoDs of Allied Branches)	Members	Professor & Head, AI-ML	Dr. SURESH M.B.
		Professor & Head, (CCE)	Dr. CHANDA.V.REDDY
		Professor & Head, CSD	Dr. DEEPA. S. R.
		Assoc. Professor & HOD, ICB	Mr. KUSHAL KUMAR. B.N
		Professor & HOD, MCA	Dr. SNEHA GIRISH
		Assoc. Professor, CSE	Dr. SUNITA CHALAGERI
		Assoc. Professor, CSE	Prof. RAGHAVENDARCHAR.S
		Assoc. Professor & PG Coordinator, CSE	Prof. KRISHNA GUDI
		Asst. Professor, AI-ML	Dr. SAHANA SALAGERE
		Assoc. Professor, CSD	Dr. SUREKHA BYKOD
		Asst. Professor, CCE	Prof. SHASHIKALA
Two subject experts from outside the parent university nominated by the Academic council		Professor & Chairperson, CSE(AI-ML), PES UNIVERSITY, jayashree@pes.edu Mobile no: 9845897074	Dr. JAYASHREE. P.
		Professor & Chairperson, CSE(AI-ML), DAYANANDSAGAR UNIVERSITY jayavrindav@gmail.com Mobile no: 9636602677	Dr. JAYAVRINDA VRINDAVANAM V
One expert nominated by the Vice chancellor		Asso. Prof., CS dept. M S Ramaiah Institute of Technology, Vidya Soudh, M S Ramaya Nagar, MSRIT Post, Bengaluru-560054	Dr. SOWMYA B J
One industry representative nominated by Principal		Principal Scientist, Philips India Research, Philips, dineshmys@gmail.com Mobile No: 9880382993	Dr. M.S. DINESH,
One Alumni nominated by Principal		(UG- 2014 Batch) Managing Engineer, Allstate India sbirc@allstate.com , Mobile no: 9980915849 Experience: 11 Years	Mr. SHARANGOUD BIRADAR
		(PG-2019 Batch) Software Engineering, Thermo Fisher Scientific, Mobile No. 91641 33511 (Experience: 15 Years) madhusudhan.gl@thermofisher.com	Mr. MADHUSUDHAN G L
Special Invitee		Director, Dept of MCA, Surana college, Bangalore University, Mobile No.: 9886571989, balaji.mca@suranacollege.edu.in .	Dr. Balaji K

COMPOSITION OF BOARD OF STUDIES:

ELECTRONICS & COMMUNICATION ENGINEERING

Category	Position	Designation	Name
Head of the department	Chairman	Prof. & Head ECE	Dr. P. N SUDHA
Faculty members of the department	Members	Director Admin & PR, Professor Professor Associate Professor Associate Professor Associate Professor Assistant professor Assistant professor	Dr. SANGAPPA.S.B Dr. REKHA N Dr. DINESH KUMAR D S Dr. ELECTA ALICE JAYARANI A Dr. BHARATHI GURURAJ Mrs. SANGEETHA.V Mrs. BHANUMATHI A
Two subject experts from outside the parent University are to be nominated by the Academic Council		Associate Professor Dept. of CSE(AI&ML) Dayananda Sagar University 98844701004. abdulhaq-aiml@dsu.edu.in Professor Dept. Of ECE NITTE Meenakshi Institute of Technology, deemed to be university paramesh@nmit.ac.in	DR. ABDUL HAQ NALBAND DR. PARAMESHACHARI B D
One expert to be nominated by Vice-Chancellor		Prof. & Head EEE, Sheshadripuram College of Engineering., Ring Road Hebbal, Mysuru-570017 surekha.manoj@sitmysore.ac.in	Dr. SUREKHA MANOJ
One Representative from industry /corporate sector/allied to be nominated by the Principal		Head of Technology strategy, COE, IOT EDGE, SENSORS, & CONNECTIVITY, BOSCH drguruprasad@in.bosch.com	Dr. GURUPRASAD A S
One member of the college alumni to be nominated by the Principal		Senior Member Technical Staff Designing Engineering. Advanced Micro Devices, White field syamini@amd.com	Mr. SOMASHEKAR YAMANI

COMPOSITION OF BOARD OF STUDIES:

MECHANICAL ENGINEERING

Category	Position	Designation	Name
Head of the department	Chairman	Prof. & Head	Dr. ANILKUMAR A
Faculty members of the department	Members	Associate Prof	Mr. NAGABHUSHANA
		Associate Prof	Dr. NAGAPRASAD K S
		Associate Prof	Dr. NIRMALA L
		Asst. Professor	Dr. HARISH U
Two subject experts from outside the parent University are to be nominated by the Academic Council		Associate Prof. Dept. of Mechanical Engg, REVA University. vijee.kumar@reva.edu.in	Dr. VIJEE KUMAR
		Professor, Dept. of Mechanical Engg . MSRUAS [MS Ramaiah University of Applied Sciences]	Dr. SURESH R
One expert to be nominated by Vice-Chancellor		Professor Dept. of Mechanical Engg. Govt., Engineering College Bedarapura, Chamaraj nagara-571313	Dr. T LOKESH
One Representative from industry /corporate sector/allied to be nominated by the Principal		Group Manager, Global Project Manager for worldwide projects, Bosch Ltd, Bangalore	Mr. Prasanna Kiran
One member of the college alumni to be nominated by the Principal		Asst. Manager PE-Projects and Development, Toyota Industries Engine India	Mr. Vamshi Krishna B

COMPOSITION OF BOARD OF STUDIES:

APPLIED SCIENCE AND HUMANITIES

Category	Position	Designation	Name
Head of the department	Chairman	Professor & Head (Mathematics)	Dr. JALAJA P
		Associate Professor Head (Chemistry)	Dr. KIRAN KUMAR S R
		Associate Professor Head (Physics)	Dr. SHASHIKALA B.S
Faculty members of the department	Members	Associate Professor (Mathematics)	Dr. VENKATARAMANA B S
		Assistant Professor (Mathematics)	Mr. NAVEEN V
		Assistant Professor (Chemistry)	Dr. HARISHA S
		Associate Professor (Physics)	Dr. SHEEJA KRISHNAN
		Assistant Professor (Humanities)	Mrs. ANURADHA M V
Two subject experts from outside the parent University are to be nominated by the Academic Council		Associate Professor GITAM University	Dr. VENKATESHWARALU B (Mathematics)
		Professor, Dayananda Sagar University	Dr. A.V. RAGHU (Chemistry)
		Professor & Head, Christ University	Dr. SHILPASHREE S P (Physics)
		Associate Professor & Head Department of Humanities, Govt. SKSJ Technological Institute, K R Circle, Bengaluru -560001	Dr. RAJASHEKHAR M N (Humanities)
		Associate Professor Dept. of Chemistry, Global Academy of Technology, Bengaluru-560098, Mobile No: 9916642780	Dr. BHASKAR M.
One expert to be nominated by Vice-Chancellor			
One Representative from industry /corporate sector/allied to be nominated by the Principal		Senior Manager in Semiconductor Industry (SanDisk, Bengaluru) (Physics)	Mr. SUJITH THOMAS (Physics)
One member of the college alumni to be nominated by the Principal		SOFTWARE ENGINEER, INDUSTRIAL AUTOMATION, EMBEDDED SYSTEMS, keerthangowdas222@gmail.com Mobile No.: 9845871477	KEERTHAN GOWDA S

Board of Examiners (BOE)

COMPOSITION OF BOE

CHAIRMAN: HEAD OF THE DEPARTMENT

MEMBERS: TWO/THREE FACULTY MEMBERS RECOMMENDED BY HOD COVERING DIFFERENT AREAS OF SPECIALIZATION.

1. Two/Three experts from other Local Institutions.
2. Chairman can co-opt few internal faculty members.

FUNCTIONS OF BOE:

1. Identify and forward the panel of examiners for each course to the Controller of Examination.
2. Identifying and assigning responsibility of question paper setting and scheme preparation.
3. Scrutinize and approve the question papers and scheme of evaluation.
4. Analyze the semester end examination results of all the semesters.

Joint Board of Studies (JBOS)

Responsible for discussing common academic issues and recommend to academic council for approval.

COMPOSITION OF JBOS

CHAIRMAN : PRINCIPAL

CONVENER : DEAN ACADEMIC

MEMBERS : CHAIRMAN OF BOS FROM ALL DEPARTMENTS,
CONTROLLER OF EXAMINATION.

INVITEES : INDUSTRY EXPERTS.

FUNCTIONS OF (JBOS):

Recommending to AC for Approval of:

1. The amendments to Rules and Regulations of Academic Program.
2. The scheme of study and Examination of first year Engineering Program.
3. Question paper pattern for theory courses.
4. Introduction of any new Open Elective/Humanities Science and other common courses in the curriculum.
5. Action plan for implementation of AICTE activity points.
6. Action plans for implementation of BE Honors & Minor Degree.

INSTITUTE ACADEMIC AFFAIRS COMMITTEE (IAAC)

COMPOSITION

CHAIRMAN : PRINCIPAL – DR. DILIP KUMAR K

CONVENER : DEAN ACADEMIC – DR. P. N. SUDHA

IAAC COORDINATOR : DR. SURESH B M (AIML HOD)

MEMBERS :

COMMITTEE DETAIL	MEMBERS
COE	DR. UMASHANKAR M
IQAC COORDINATOR	DR. CHANDA V REDDY
STUDENT WELFARE COORDINATOR	DR. SALEEM S TEVARAMANI
MENTOR COORDINATOR	MR. KUSHAL KUMAR B N
SKILL DEVELOPMENT COORDINATOR	DR. SNEHA GIRISH
DAAC COORDINATOR	DR. SAHANA SALAGERE
HEADS OF ACADEMIC DEPARTMENTS	DR. REKHA B VENKATAPUR DR. DEEPA S R DR. GIRISH SHASTRY

Functions of IAAC:

1. Responsible for implementation of all academic decisions of AC and monitoring the registration of students, formulation of guidelines for conduct examination and evaluation and all the issues connected to the academic activity.
2. Responsible for the award of 'I' Grade and approving the course to be studied by students having shortage of credits for award of Degree.
3. Approval of drop and withdrawal of courses.
4. Review of CO, PO and PSO attainment and suggesting action plan for improvement.

DEPARTMENTAL ACADEMIC AFFAIR COMMITTEE (DAAC)

COMPOSITION

CHAIRMAN: HOD OF THE DEPARTMENT

CONVENER: SENIOR PROFESSOR

MEMBERS: ALL PROFESSORS, ASSOCIATE PROFESSORS AND TWO ASSISTANT PROFESSORS OF THE DEPARTMENT.

FUNCTIONS OF DAAC:

1. Appointment of Program/Academic Coordinator, Module and Course Coordinators.
2. Responsible for constitution of department curriculum design committee for drafting scheme of study, examination and syllabi for program offered in the department. This draft scheme and syllabi will be placed before the BOS for deliberation and adaption.
3. Helps Dean Academic and HODs in the registration of all departmental courses and preparation of Academic Time Table.
4. Responsible for departmental Project evaluation committee (DPEC) for project evaluation and departmental Internship evaluation committee (DIEC) for the evaluation of student Projects and Internship/Industrial training/Field training.
5. Responsible for Identification of courses to be offered during supplementary semester, allotment of guides for mini and major projects and recommending a course to be studied by students having shortage of credits for the award of Degree.
6. Scrutiny of Test Question Papers for its compliance to Blooms level and CO & PO mapping.
7. Approval of registration to different core and elective courses of failed students.

DEPARTMENTAL ACADEMIC AFFAIR COMMITTEE (DAAC)

COMPOSITION OF COLLEGE LEVEL DAAC

COORDINATOR : DR. SAHANA SALAGERE

MEMBERS :

DEPARTMENTS	MEMBERS
CCE	MRS. SHASHIKALA
CSE	MRS SHEEBHA
CSE (ICB)	MRS. RAJASHREE
CSD	DR. SUREKHA
ECE	DR. DINESH KUMAR
ME	MR. K PRASAD
MCA	MRS. HARILAKSHMI

MALPRACTICE CASES CONSIDERATION COMMITTEE (MCC)

To conduct enquiry of the students indulged in malpractice and decide the nature of punishment to be enforced depending upon the gravity of the offence.

COMPOSITION OF MCC

CHAIRMAN : PRINCIPAL – DR. DILIP KUMAR K

CONVENER : CONTROLLER OF EXAMINATION – DR. UMASHANKAR M

MEMBERS :

COMMITTEE DETAILS	MEMBERS
DEAN ACADEMIC	DR. P. N. SUDHA
COE	DR. UMASHANKAR M
STUDENT WELFARE COORDINATOR	DR. SALEEM S TEVARAMANI
MENTOR COORDINATOR	MR. KUSHAL KUMAR B N
SQUAD COORDINATOR	MR. CHRISTO JAIN
CONCERNED HEAD OF DEPARTMENT	
CONCERNED MENTOR	
ROOM INVIGILATOR	

SPECIAL INVITEE : LEGAL ADVISOR OF THE COLLEGE

RESPONSIBILITIES OF MCC:

Conducting enquires of malpractice cases and recommending penalties /punishments to the students involved in malpractice during examination.

Depending on severity of the Malpractice in CIE or SEE, the committee shall decide on penalties and punishments to be awarded to students involved in malpractice.

SQUAD COMMITTEE MEMBERS	
ECE	MR. CHRISTO JAIN
ECE	MRS. BHANU
CSE	MR. KRISHNA GUDI
CSE	MRS. SHRUTHI
CCE	MRS. SHASHIKALA
ME	DR. HARISH U
MCA	MRS. BASAVARAJESHWARI

RESEARCH COMMITTEE (RC)

COMPOSITION OF RC

COORDINATOR: DR SHEEJA KRISHNAN

MEMBERS :

DEPARTMENTS	MEMBERS
AIML	DR. SAHANA SALEGERE
CCE	MRS. SHASHIKALA
CSD	DR SUREKHA
CSE	DR VIJAYALAKSHMI
CSE(ICB)	MRS. POORNIMA
ECE	DR. REKHA N
ME	DR. SALEEM KHAN
ASH	DR. VENKATRAMANA DR. HARISH

ONLINE or MOOC or SWAYAM COURSE COMMITTEE (OCC)

COMPOSITION OF OCC

COORDINATOR : PROF. T SOMASEKHAR, CSE DEPT.

MEMBERS :

DEPARTMENTS	MEMBERS
AIML	MRS. USHA SRI
CCE	MRS NAGA JYOTHI
CSD	MRS. SATHYS SHEELA.
CSE	DR. SOUBHAGYA
CSE(ICB)	Mrs. RAJASHREE M BYALAL
ECE	MRS. BHARGAVI
ME	DR. NAGA PRASAD K S
ASH	DR. VENKATARAMANA B S

PROJECT EVALUATION COMMITTEE (PEC)

COMPOSITION OF PEC

COORDINATOR : DR. BHARTHI GURURAJ, ECE DEPT

MEMBERS :

DEPARTMENTS	MEMBERS
AIML	Mrs. RENUKA PATIL
CCE	Mrs. SHASHIKALA
CSD	MRS AMMUBHUVANA
CSE	Mr. RAGHAVENDRACHAR S
CSE(ICB)	Mrs. SUREKHA BHANGARI
ECE	Mrs. BHARGAVI ANANTH
ME	Dr. NIRMALA L
ASH	MRS BASAVARAJESHWARI

INTERNSHIP EVALUATION COMMITTEE (IEC)

COMPOSITION OF

COORDINATOR : DR. VIJAYALAKSHMI MEKALI

MEMBERS :

DEPARTMENTS	MEMBERS
AIML	MR KASHYAP VIJAYKUMAR
CCE	MRS. D SARITHA
CSD	MRS ROOPA K
CSE	MR. T SOMASEKHAR
CSE(ICB)	Mrs. MEGHA SHREE C
ECE	MR SANTHOSH KUMAR
ME	DR. HARISH U
ASH	MRS. HARILAKSHMI V M

SKILL DEVELOPMENT COMMITTEE (SDC)

COMPOSITION OF SDC

COORDINATOR : DR. SNEHA GIRISH, MCA HOD

MEMBERS :

DEPARTMENTS	MEMBERS
AIML	MR KASHYAP VIJAYKUMAR
CCE	MRS. SHILPA M.
CSD	MRS. SATYA SHEELA D.
CSE	MRS. SHRUTHI T.S.
CSE(ICB)	MS. RACHANA V. MURTHY
ECE	DR. SALEEM S. TEVARAMANI
ME	MR. MANJUNATH B. R.
ASH	MR. TRIMURTHY R.- KANNADA MR. NAVEEN V.- NSS MR. UMESHA- SPORTS MRS. PREETHI- YOGA

PREAMBLE

KAMMAVARI SANGHAM

The Kammavari Sangham, a multi-activity non-profit oriented voluntary service organization, was established in the year 1952 with the sole objective of providing charitable service to community and society.

The Kammavari Sangham has diversified its activities since its establishment over five decades ago. With a firm Belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousand, the Kammavari Sangham went about establishing educational institutions, starting with K. S. Polytechnic in 1992.

Enthused with this success of its foray into technical education, the Kammavari Sangham moved forward by starting the K. S. Institute of Technology (KSIT) Its Engineering College in the year 1999. In the years that followed, KSIT quickly earned an outstanding reputation for academic excellence. The Sangham's collective group of institutions, known as Kammavari Sangham Group of Institutions (KSGI), embodies its commitment to comprehensive education.

The commitment to fostering education continued with the inception of K. S. School of Engineering and Management (KSSEM) in 2010, further solidifying the Kammavari Sangham's dedication to providing advanced technical and management education. Additionally, the K. S. School of Architecture (KSSA) was established in 2015, offering specialized education in architectural studies.

To cater to pre-university students, the Kammavari Sangham founded K. S. Pre-University College, which has been instrumental in preparing students for higher education and future careers.

Reflecting its continued commitment to academic excellence and societal progress, the K.S. Group has established K.S. Degree College with the vision of providing quality education and fostering innovation

All these institutions have established themselves as centre of learning and have contributed significantly to the community by offering scholarships and free hostel accommodations to deserving students, further underscoring the Kammavari Sangham's unwavering commitment to education and social upliftment.

K. S. INSTITUTE OF TECHNOLOGY

A LEADING INSTITUTION IN ENGINEERING AND MANAGEMENT EDUCATION

Nestled in Bengaluru, India's vibrant "Silicon Valley," **K. S. Institute of Technology (KSIT)** has been a pillar of educational excellence since its establishment in 1999. The city, renowned for its dynamic technology sector, cosmopolitan culture, and pleasant climate, provides an inspiring backdrop for innovation and academic pursuits. Bengaluru's thriving tech ecosystem and diverse cultural heritage create the perfect environment for students to learn, grow, and excel.

Founded under the prestigious Kammavari Sangham Group of Institutions, KSIT embodies a legacy of philanthropy and commitment to societal progress. With a focus on holistic development, the institute combines rigorous academics with a wide array of opportunities for co-curricular and extracurricular activities, fostering creativity, leadership, and teamwork.

KSIT boasts state-of-the-art sports facilities and actively promotes physical well-being and a spirit of healthy competition through inter-collegiate events. Its vibrant clubs and societies cater to diverse interests, ensuring students experience comprehensive personal and professional growth beyond the classroom.

Accredited by the **National Assessment and Accreditation Council (NAAC) with an A+ grade** for five years i.e. till **3rd Aug 2029**. KSIT is recognized for its unwavering commitment to academic and institutional excellence. Furthermore, the institute's core departments, Electronics and Communication Engineering (ECE) and Computer Science and Engineering (CSE), are accredited by the **National Board of Accreditation (NBA) till 30th June 2027**, underscoring its adherence to global educational standards.

Research and innovation are integral to KSIT's ethos. Faculty members are actively supported in their scholarly pursuits, ensuring students benefit from a continuously evolving knowledge base that reflects the latest advancements in technology and science.

Guided by the mission to empower students with knowledge, nurture their talents, and inspire purposeful leadership, KSIT is shaping the innovators and leaders of tomorrow. With the motto "Explore, Innovate, Excel,"

KSIT offers a harmonious blend of academic rigor, extracurricular vibrancy, and a supportive community, making it a preferred destination for education in Bengaluru.

KSIT stands as a Beacon of excellence, perfectly complementing Bengaluru's reputation as a global hub for technology, research, and innovation.

1. KSIT AUTONOMOUS REGULATIONS

The quality of Technical Education is influenced by several key factors, primarily, an outcome-based curriculum aligned with societal and industrial needs, a dedicated and competent faculty, a robust teaching-learning process, meaningful industry internships, and student evaluations based on clearly defined learning outcomes.

To ensure a systematic and standardized approach to various academic processes — including admissions, student registration, conduct of classes, teaching-learning, assessment, evaluation and grading and for recommending for the award the Bachelor of Engineering/Technology degrees and Postgraduate. To exercise of powers conferred by Visvesvaraya Technological University, hereafter referred as VTU. Under its GUIDELINES FOR THE IMPLEMENTATION OF ACADEMIC AUTONOMY IN INSTITUTIONS [2018] AMMENDMENT IN 2024 [framed under the section 20(w) of VTU act, 1994]. The Academic Council of K.S Institute of Technology makes the following regulations. These regulations shall govern all the student's seeking admission to various programme from the academic year 2025-26.

2. ACADEMIC RULES & REGULATIONS

All the degree programs offered under the autonomy will follow choice Based Credit System (CBSCS) and Outcome Based Education in Teaching, Learning & assessment.

- 2.1** These Regulations shall be called as “Academic Regulations Governing the Degree of Undergraduate and Postgraduate Programmes of KSIT – 2025”.
- 2.2** The Regulations are subject to amendments made by Visvesvaraya Technological University (VTU) and by the Academic Council with the approval of the Governing Body of the college from time to time and keeping the recommendations of the Board of Studies (BoS) in view.
- 2.3** These Regulations shall govern all the students seeking admissions to MCA programmes offered by KSIT under Autonomous Scheme from the academic year 2025-26. These Regulations govern the policies and procedures on the admission of students, Teaching, Conducting of examination, evaluation, announcement of results and graduation ceremony.
- 2.4** These Regulations are approved by the Governing body of KSIT on the recommendation of Academic Council of KSIT and shall supersede all corresponding earlier Regulations of the institution, if any, along with the amendments thereto, and

shall be binding on all concerned undergoing the said programme. These regulations shall come into force with effect from the date of their notification by the KSIT

- 2.5** These Regulations may evolve, get refined, revised, updated, amended, modified, or changed through appropriate approval from the Governing body on the recommendation of the Academic Council from time to time, and shall be binding on all parties concerned.
- 2.6** Periodic refinements in the Academic Regulations and Curriculum on the students admitted in the earlier years, shall be dealt appropriately and carefully, so as to ensure that such students are not subjected to any injustices whatsoever, although they are required to conform to these revised Regulations and Curriculum.
- 2.7** In order to grantee fairness and justices to all the parties concerned, in view of the periodic revisions and refinements, specific issues referred to shall be addressed separately by the Academic Council of the Institute.
- 2.8** The Governing Body shall consider all the issues relating to the Academic activities of KSIT for appropriate action, irrespective of whether a reference is made in these Regulations or otherwise.
- 2.9** The principal may co-opt or invite experts from outside or within, to any of the Academic Council meetings.
- 2.10** Any disputes arising from these Regulations must be addressed to the Governing Body of KSIT. The decision of the Governing Body shall be final and binding on all the parties concerned.
- 2.11** Any legal dispute arising from these Regulations shall be limited to the legal jurisdiction determined by the location of KSIT, which is the city of Bengaluru, Karnataka State and not that of any other party.

3. NOMENCLATURES USED

- Autonomous Institution: As per Visvesvaraya Technological University guidelines for the implementation of academic autonomy in the institution [2018] amendment in 2024. [Framed under the section 20(w) of VTU act, 1994].
- Commission: University Grants Commission [UGC].
- Council: All India Council for Technical Education [AICTE].
- University: Visvesvaraya Technological University [VTU].
- Institution: K.S. INSTITUTE OF TECHNOLOGY [KSIT] Bengaluru.

- Governing Body: Governing body of KSIT.
- Academic Council: Academic council of KSIT.
- BOS: Board of Studies for various programs offered at KSIT.
- BOE: Board of examiner for various programs offered at KSIT.
- EC & MPCCC: Examination & Malpractice Cases Consideration Committee of KSIT.
- Regular Students: Students who are admitted to the first year of the respective programme
- “Lateral Entry” means students who are admitted to the third semester of the respective programme (Undergraduate Engineering Programme through diploma quota based on the qualification at the time of entry)
- “Branch” means specialization in a programme like B.E. degree programme in Mechanical Engineering or B.E. degree programme in Computer Science and Engineering etc.

3.1 NOMENCLATURES OF THE ACADEMIC PROGRAMMES

- Under Graduate (UG) Level: Bachelor of Engineering (B.E.)
- Post Graduate (PG) Level: Master of Technology (M.Tech.) and Masters in computer Application (MCA)
- Research Level: Doctor of Philosophy (Ph.D.)
- Besides, the branch/programme of specialization, if any, shall be indicated in brackets after the abbreviation; e.g., B.E. (Electronics & Communication Engineering), M.Tech. (Computer Science & Engg).

4. PROGRAMMES OFFERED BY THE INSTITUTION:

SL No	Title of the UG Programme (B.E.)	Abbreviation	Year of establishment
1	Computer Science and Engineering	CS	1999
2	Electronics and Communication Engineering	EC	1999
3	Mechanical Engineering	ME	1999
4	Artificial Intelligence & Machine Learning	AI	2020
5	Computer Science and Design	CG	2021
6	Computers and Communication Engineering	CM	2022
7	Computer Science & Engineering (IoT and Cybersecurity including Blockchain Technology)	IC	2022

SL No	Title of the PG Programme	Abbreviation	Year of establishment
1	Computer Science and Engineering [M.Tech.]	SCS	2014
2	Master of Computer Applications [MCA]	MCA	2024

SL. No.	Title of the Research Centre (Ph.D. / M.Sc. Engg. by research)	Abbreviation	Year of establishment
1	Mechanical Engineering	ME	2006
2	Chemistry	CHE	2006
3	Computer Science and Engineering	CSE	2014
4	Electronics and Communication Engineering	ECE	2014
5	Physics	PHY	2025-26

5. DEFINITIONS OF KEYWORDS

The followings are the definitions/descriptions that have been followed for the different terms used in the Regulations of the MCA Program:

- 5.1 **Program:** An educational program in a particular stream/ branch of specialization leading to the award of a degree. It involves events/activities, comprising of lectures/ tutorials/ laboratory work/ field work, outreach activities/ project work/ vocational training/ viva/ seminar Internships/ assignments/ presentations/ self-study etc., or a combination of some of these.
- 5.2 **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 3), each session being of sixteen weeks duration (with working days greater than or equal to ninety). The odd semester may be scheduled from August and even semester from February of the year.
- 5.3 **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.
- 5.4 **Course:** Refers to usually referred to as 'papers' and is a component of a program. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.
- 5.5 **Credit:** Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.
- 5.6 **Audit Courses:** This Means Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.
- 5.7 **Choice-Based Credit System (CBCS):** Refers to customizing the Course work, Core, Elective, and soft skill Courses, to provide the necessary support for the students to achieve their goals.

- 5.8 Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each Semester for the Institution to maintain proper records.
- 5.9 Course Evaluation:** This means Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course. CIE and SEE to carry a weightage of 50 % and 50 % respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.
- 5.10 Continuous Internal Evaluation (CIE):** Refers to the evaluation of students' achievement in the learning process. CIE shall be by the Course Instructor and includes tests, homework problem-solving, group discussion, quizzes, mini-project, and seminars throughout the Semester, with weightage for the different components being fixed at the University level.
- 5.11 Semester-end examinations (SEE):** Refers to examinations conducted at the University level covering the entire Course Syllabus. For this purpose, Syllabi is to be modularized, and SEE questions are to be set from each module, with a choice confined to the concerned module only. SEE is also termed a university examination.
- 5.12 First Attempt:** Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall be considered as a first attempt.
- 5.13 Credit-Based System (CBS):** Refers to quantification of the Course work, after a student completes teaching-learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding a degree is prescribed in terms of the total number of credits to be earned by the students.
- 5.14 Credit Representation:** Refers to Credit Values for different academic activities considered, as per Table.1. Credits for a seminar, project phases, project viva-voce, and internship shall be as specified in the Scheme of Teaching and Examination.

Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	2	0:0:1	1

5.15 Letter Grade: It is an index of the performance of students in a said Course. Grades are denoted by letters O, A+, A, B+, B, C and F

Letter Grade	O	A+	A	B+	B	C	F
Grade Point	10	09	08	07	06	05	00

5.16 Grading: Grade refers to the qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in (CIE plus SEE). Grading is done by absolute Grading. The rubric attached to letter grades is as follows:

O- Outstanding

A+ - Excellent

A - Very Good

B+ - Good

B - Average

C - Pass

F - Fail

5.17 Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 10- point scale as under.

5.18 Passing Standards: Refers to passing a Course only when getting GP greater than or equal to 05 (as per clause mentioned in 11.1).

5.19 Credit Point: Are the product of grade point (GP) and number of credits for a Course
i.e., Credit points (CrP) = GP × Credits for the Course.

5.20 Semester Grade Point Average (SGPA): Refers to a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various Courses of a semester and the total Course credits taken during that semester. [Refer to 9]

5.21 Cumulative Grade Point Average (CGPA): This is a measure of the overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various Courses in all semesters and the sum of the total credits of all Courses in the semesters. It is expressed up to two decimal places. [Refer to Refer to 9]

5.22 Grade Card: Refers to a certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester. The grade card will display the programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.

5.23 University: Visvesvaraya Technological University (VTU), Belagavi

6. TITLE, DURATION AND CREDITS OF THE PROGRAMME OF STUDY

6.1 Title: The Programme shall be called Master of Computer Applications, abbreviated as MCA

6.2 Minimum Duration: The programme will be conducted on a full-time basis over a minimum duration of two academic years. It will be structured into four semesters, with each semester spanning 16 weeks, equivalent to 90 working days.

6.3 Eligibility: A faculty member or employee engaged in full-time work at an institution or organization, who is simultaneously pursuing or has pursued any full-time course during the same period as the regular working hours, shall be deemed ineligible for employment or for admission to higher studies.

6.4 Maximum Programme Duration: A candidate must complete the programme within a maximum duration of four years from the commencement of the first

semester. If a candidate fails to do so within this period, they must either discontinue the programme or re-enrol as a fresh candidate in the first semester.

6.5 Credit Requirements: To be **eligible for the award of the degree, a student must successfully complete a total of 80 prescribed credits.**

6.6 Credit Definition: The credit system is defined as follows:

- I. One hour of lecture (L) per week per semester is equivalent to 1 credit;
- II. Two hours of tutorial (T) per week per semester is equivalent to 1 credit; and
- III. Two hours of practical/ laboratory/ drawing (P) per week per semester is equivalent to 1 credit.
- IV. Four-credit courses involve a total of 50 hours of teaching–learning engagement,
- V. Three-credit courses are designed for 40 hours of instructional activity.

6.7 Academic Structure The academic calendar, detailing important events and timelines for the programme, will be published in advance by the University.

7. ELIGIBILITY FOR ADMISSION (AS PER THE GOVERNMENT ORDERS ISSUED FROM TIME TO TIME)

7.1 Eligibility Criteria for Admission: Candidates seeking admission must have passed a BCA, Bachelor’s Degree in Computer Science Engineering, or an equivalent degree. Alternatively, candidates who have completed a B.Sc., B.Com. or B.A. degree with Mathematics at the 10+2 level or during graduation are also eligible, provided they complete additional bridge courses as prescribed by the concerned University.

Applicants must have secured a minimum of 50% marks in the qualifying examination. However, candidates belonging to reserved categories from Karnataka State are eligible with a minimum of 45% marks.

7.2 Admission Procedure and Eligibility Requirements

- I. **Admission through PG CET and Government Quota:** Admission to the MCA programme in engineering colleges affiliated with Visvesvaraya Technological University (VTU) under the Government quota is based on performance in the Post Graduate Common Entrance Test (PGCET). This entrance examination is

conducted by the Karnataka Examination Authority (KEA), and candidates must appear for it to be considered for admission under the government roster system.

II. **Admission under Management Quota:** Candidates seeking admission under the Management Quota must have appeared for any of the following recognized entrance examinations: KEA PG CET, Karnataka Management Aptitude Test (KMAT), or any other approved entrance examination conducted by a competent authority recognized by the Government of Karnataka, VTU, or any other University within Karnataka State.

III. **Admissions Committee:** Each institution offering the MCA programme shall constitute an Admissions Committee comprising the Principal of the college as the Chairman, the Head of the concerned Department, and one senior faculty member from the department. This committee is responsible for conducting interviews and selecting eligible candidates for admission.

IV. **Additional Eligibility Requirements:**

- Candidates who have completed their qualifying degree from universities outside Karnataka must obtain an Eligibility Certificate from VTU to be considered for admission to the MCA programme in colleges affiliated with VTU.
- Foreign nationals seeking admission must also obtain an Eligibility Certificate from VTU. Additionally, they must present an equivalence certificate issued by the Association of Indian Universities (AIU).

The intake under various categories shall be as sanctioned by the AICTE, State Government and VTU, from time to time.

V. **Admission to Vacant Seats**

- The process for filling vacant seats shall adhere to the guidelines issued by the Government of Karnataka from time to time. In cases where seats remain unfilled after the completion of the PG admission process conducted by the Karnataka Examination Authority (KEA), the institution may fill these vacancies by inviting applications through a press notification.
- Preference will be given to candidates holding valid PG CET scores. In the absence of such candidates, admission will be based on merit, determined

through an entrance test conducted at the institutional level. The responsibility for overseeing this process lies with the Admissions Committee, which will comprise the Principal of the college, the Head of the concerned Department, and subject experts.

8. COURSES STRUCTURE

8.1 Curriculum Structure of the Programme: The curriculum of the programme is designed to provide a balanced blend of theoretical knowledge, practical skills, and professional exposure. It shall comprise a combination of the following types of courses:

- I. **Professional Core Courses (PC):** These courses are fundamental to the chosen specialization or branch. They are mandatory for all students and are essential to fulfil the programme requirements in the respective discipline. Core courses may be categorized into *Hard Core* (compulsory, no choice) and *Soft Core* (with limited choices), depending on the programme structure.
- II. **Professional Elective Courses (PE):** These are specialization-specific courses selected from a pool of elective options. They are intended to provide extended learning opportunities, support the core discipline, offer interdisciplinary exposure, or enhance specific skills relevant to the student's career interests.
- III. **Open Elective Courses (OE):** These courses may be chosen from other technical or emerging areas beyond the core specialization, offering a broader academic perspective and interdisciplinary learning.
- IV. **Project Work and Seminar:** Students are required to undertake project work and present seminars as part of the curriculum. These components promote research, innovation, and effective communication skills.
- V. **Audit Courses (AC):** Audit courses are optional, non-credit courses aimed at self-enrichment. Students may choose any credit course from their programme (excluding those counted toward prescribed credits) as an audit. While Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) are not applicable, students must meet attendance requirements for the course to be recorded on the grade card—without any letter grade or credit value.

- VI. **Professional Training/Internship:** Students are encouraged to undertake internships in reputed industries, R&D organizations, IT companies, government agencies, or business organizations. The duration and structure of the internship are defined in the Scheme of Teaching and Examination.
- VII. **Online Courses:** These are mandatory non-credit courses focused on ability enhancement, skill development, emerging technologies, bridge learning, or advanced topics. Suggested by the respective Board of Studies, these courses are listed on the university portal. Students must enrol with the guidance of a mentor or staff coordinator. Although they are not counted towards vertical progression, passing these courses is a requirement for the award of the degree.

8.2 Elective Course Registration and Modification Policy: A candidate is required to exercise their choice of elective courses and complete the registration process prior to the commencement of the respective semester. However, the candidate may be allowed to change their elective subject within 5 days from the official start date of the semester, in accordance with the academic calendar issued by the KSIT.

8.3 Internship

8.3.1 Internship Guidelines: As part of the curriculum, students are required to undergo an internship for the duration specified in the Scheme of Teaching and Examination. The following guidelines govern the conduct and evaluation of the internship:

1. **Internship Placement:** The internship may be undertaken at any recognized industry, R&D organization, business organization, research institute, institute of national or international repute, or recognized national/international professional bodies, societies, or organizations.
2. **Faculty Supervision:** The department or college shall assign a faculty member to each student to act as an internal guide. This faculty member will facilitate the internship process, provide guidance, and supervise the student's progress.
3. **Progress Reporting:** Students are required to regularly update their internal guide on the progress of their internship and seek feedback or advice throughout the internship period.

4. **Completion Timeline:** The internship must be completed strictly within the timeframe specified in the Scheme of Teaching and Examination.
5. **Internship Report Submission:** Upon completion, students must submit a detailed internship report to the Head of the Department. This report must be approved and signed by both the internal and external guides.
6. **Evaluation:** The internship will be assessed for a total of 200 marks under Continuous Internal Evaluation (CIE) for 100 marks and Semester end examination for 100 marks. The evaluation will comprise two components: Presentation (50 marks) and Report (50 marks). SEE assessment will be conducted by an internal and external examiners.
7. **Location and Financial Responsibility:** Students are permitted to undertake internships anywhere within India or abroad. However, the KSIT will not provide any financial assistance for undertaking the internship.
8. **Failure to Complete Internship:** Internship is a mandatory component of the programme and is treated as one of the heads of passing. Completion of the internship is compulsory for the award of the prescribed credits. If a student fails to undergo or complete the internship, they shall be deemed to have failed in that course, and the corresponding credits will not be granted.

However, such a student may still be permitted to submit the project dissertation and appear for the viva voce examination. The internship credits will be awarded only after the student fulfils all the stipulated requirements in a subsequent academic year. This reappearance will be treated as an official attempt.

8.4 Seminar

8.4.1 Seminar Guidelines: The seminar is considered one of the heads of passing in the programme and must be successfully completed as per the Scheme of Teaching and Examination. The following guidelines govern the conduct and evaluation of the seminar

- I. **Seminar Presentation:** Each student is required to deliver a seminar of approximately 30 minutes on a topic selected from relevant and current areas in their field of study.

- II. Organization and Evaluation:** The Head of the Department shall coordinate the conduct of seminars by assigning appropriate faculty members for guidance and organization. A departmental committee, constituted by the Head, will be responsible for evaluating the seminar and awarding the Continuous Internal Evaluation (CIE) **for 100 marks.**
- III. Evaluation Committee:** The evaluation committee shall comprise three faculty members from the department, with the senior-most faculty member serving as the Chairman/Chairperson.

Note: These provisions should be read in conjunction with clause 11.1(IV) for complete applicability.

8.5 Project

8.5.1: Project Work and Dissertation Guidelines: As part of the academic requirements, each student must independently undertake project work as outlined in the Scheme of Teaching and Examination. This project must be carried out under the supervision of a faculty member from the department within the institution. If the project is interdisciplinary in nature, the student must also appoint a co-guide from the relevant department. The topic and title of the dissertation should be selected by the student in consultation with the guide (and co-guide, if applicable) prior to the commencement of the third semester. The subject of the dissertation must fall within the student's major field of study. While the title of the dissertation may be modified at the time of final submission, the field of work must remain unchanged. In cases where the project work is to be conducted in an external organization such as an industry or R&D laboratory, prior approval must be obtained from the Head of the department and Principal of the institution.

8.5.2: Project Submission and Evaluation Guidelines: The project is a compulsory head of passing in the programme. As part of the submission process, each candidate is required to submit a soft copy of their dissertation to the KSIT in the form of a CD. The dissertation must be compiled into a single monolithic PDF file, with all chapters combined, and not submitted as separate files. Following a thorough review of the dissertation for completeness and quality, the guide shall be responsible for

uploading the final document to the online Dissertation evaluation portal of KSIT. Along with the upload, the guide must enter the candidate's details, including name, USN, address, mobile number, and any other information as specified in the prescribed format available on the portal.

8.5.3: Plagiarism Check and Resubmission Policy: Once the dissertation is uploaded by the guide to the online Dissertation Evaluation Portal, it will automatically be subjected to a plagiarism check. The permissible plagiarism index is less than or equal to 25%. If the plagiarism index exceeds the allowed limit, the following actions will be taken:

- I. First Instance: The candidate must revise and resubmit the dissertation to the KSIT along with a penal fee of ₹2,500.
- II. Second Instance: If the resubmitted dissertation still exceeds the plagiarism limit, the candidate must again revise and resubmit it along with a penal fee of ₹5000.
- III. Third Instance (Persistent Plagiarism): If the dissertation is found to have a plagiarism index greater than 25% even after the second resubmission, the candidate will be required to redo the entire project and may only submit it after a gap of one semester, in accordance with the provisions of clause 6.2

Adherence to these guidelines is mandatory for acceptance and evaluation of the project dissertation.

8.5.4: Evaluation Details: The dissertation will be submitted via email for evaluation to two examiners: one internal examiner (either the guide or co-guide) and one external examiner appointed by the CoE, KSIT. Each examiner will independently assess the dissertation, and the evaluation should typically be completed within two weeks from the date of receipt. Upon completion, both examiners are required to submit their marks independently through the designated online link. The final evaluation marks for the dissertation will be determined by calculating the average of the marks awarded by the two examiners.

8.5.5: Viva-voce examination: Viva-voce examination of the candidate shall be conducted as per regulation 8.5.7, only if the dissertation and the evaluation report are accepted by the first external examiner. If the first external examiner finds the

dissertation and report below the required standard and fails to award the minimum passing marks, the dissertation shall not be accepted for SEE.

- a. The first external examiner may:
 - I. Recommend modifications or suggestions for improvement, or
 - II. Reject the dissertation entirely.
 - III. In both cases, the examiner must provide justifications or suggestions for resubmission.
- b. The resubmitted dissertation, incorporating the suggested modifications and compliant with 8.5.3, shall be sent again to the same first external examiner for re-evaluation. If accepted, Viva-voce will be conducted as per 8.5.7.
- c. If the first external examiner rejects the dissertation again then it shall be sent to a Second External Examiner, approved by the CoE, KSIT. The decision of the second examiner is final.
- d. If the second examiner accepts the dissertation and report then the Viva-voce will be conducted as per 8.5.7.
- e. If the second examiner also rejects the dissertation then the candidate must redo the entire dissertation work and resubmit it in accordance with 6.4. The entire procedure must be repeated, starting from the soft copy submission.
- f. In case the first external examiner rejects the dissertation as per the clause mentioned in 8.5.5(a) then the CoE, KSIT may forward it to a different second external examiner and the decision of this second examiner is final.
- g. If the second examiner (under this clause) accepts the dissertation and report, the Viva-voce will be conducted as per 8.5.7.
- h. If the second examiner rejects the dissertation and report, the candidate must redo the dissertation work entirely and resubmit the dissertation report subject to provisions of 6.4.
- i. The candidate, whose Dissertation is rejected, can rework on the same topic or choose another topic of dissertation under the same Guide or new Guide if necessary. In such an event, the report shall be submitted subject to provisions of 6.4.
- j. The Viva-voce examination of the candidate shall be conducted jointly by the external examiner and the internal examiner or guide. The internal examiner will

- coordinate and finalize a mutually convenient date for the Viva-voce, and inform the same to CoE, KSIT accordingly.
- k. The relative weights for the evaluation of dissertation and the performance at the viva voce shall be as per the scheme of teaching & examination.
 - l. The marks awarded by both the Examiners at the viva voce Examination shall be sent jointly to the COE, KSIT immediately after the examination.
 - m. The examination fee for the evaluation of the dissertation report and the conduct of the Viva-voce, as determined by the KSIT from time to time, shall be paid through the Head of the department in accordance with the instructions issued by the CoE KSIT and Principal.
 - n. The candidates who fail to submit the dissertation work within the stipulated time have to submit the same at the time of next ensuing examination

9. COMPUTATION OF SGPA AND CGPA

9.1 Letter Grade: The University follows an absolute grading system, wherein marks obtained in each course are converted into letter grades. At the end of each semester, results are declared along with the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA). The CGPA is computed at the end of every semester, except for the first semester. The grading system includes letter grades assigned based on the range of marks obtained, as per the absolute grading scale defined below:

Letter Grade and corresponding Grade Points on a typical 10 - Point scale							
Letter Grade	O	A+	A	B+	B	C	F
	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail
Grade Point	10	9	8	7	6	5	0
% of Marks Secured	90-100	80-89	70-79	60-69	55-59	50-54	0-49

- a. The minimum mark to score for CIE is 50% of the maximum marks of CIE, and the minimum passing mark for SEE is 40% of the maximum marks of SEE. In aggregate, the students have to secure 50% total marks of the course (CIE+SEE marks).

- b. A student obtaining a Grade F in a Course shall be considered a failure and is required to reappear in subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be retained. However, the number of attempts taken to clear a Course shall be indicated in the grade cards/ transcripts.

9.2 Grade Point Averages: The credit index can be used further for calculating the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA), both being important academic performance indices of the student. While SGPA is equal to the credit index for a semester divided by the total number of credits registered by the student in that semester, CGPA gives the sum total of credit indices of all the previous semesters divided by the total number of credits registered in all these semesters. Both equations together facilitate the declaration of the academic performance of a student, at the end of a semester and the end of successive semesters respectively. Thus,

$$SGPA = \frac{\sum (\text{Course Credit} \times \text{Grade points of the letter grade})}{\sum (\text{Course Credit}) \text{ for all the courses registered during the semester excluding DP and W grades}}$$

$$CGPA = \frac{\sum [\text{Course Credits} \times \text{Grade Points}] \text{ for all Courses excluding those with F and transitional grades until that Semester}}{\sum [\text{Course Credits}] \text{ for all Courses excluding those with F grades until that semester}}$$

9.3 Grade Card: Based on the secured letter grades, grade points, SGPA, and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued.

9.4 Conversion of CGPA into percentage and class equivalence: There is no prescribed formula for converting CGPA into percentage of marks. However, for purposes such as employment, higher education, etc., the following standard conversion may be adopted for a 10-point CGPA scale:

- A. Percentage of Marks (M) = CGPA × 10

Illustration: If a student has earned a CGPA of 8.20, then: M = 8.20 × 10 = 82.0%.

This conversion may also be used for determining class equivalence, where applicable.

- B. Class Equivalence: Based on the converted percentage of marks (P) from the final CGPA, the classification of a graduating student is determined as follows:

1. **First Class with Distinction (FCD):** If $P \geq 70\%$
2. **First Class (FC):** If $60\% \leq P < 70\%$
3. **Second Class (SC):** If $50\% \leq P < 60\%$

This classification may be used for academic records, employment, or further studies, wherever applicable.

10. CONTINUOUS INTERNAL EVALUATION AND SEMESTER END EVALUATION

10.1 Continuous Internal Evaluation (CIE):

- a. CIE carries a weightage of 50% of the maximum marks allotted for each theory and practical paper. To qualify, a candidate must secure at least 50% of the maximum marks prescribed for the CIE in each Theory course, Laboratory, Internship, Project, or Dissertation.
- b. CIE Marks shall be based on
 - Tests marks
 - Assignments, Quiz, Simulation, Experimentation, Mini project, oral examination, field work etc., conducted in respective courses.
- c. The CIE marks in a theory course, shall be based on three tests covering the entire syllabus. An additional test may be conducted for the needy students to provide an opportunity to improve their CIE Marks before the end of the semester. The CIE marks shall be the average of the marks scored in three tests.
- d. Candidates are required to write their tests in Blue Books. These Blue Books, along with all other documents related to the award of CIE marks as per regulation 8.7.1(b), must be retained by the Head of the Department for a minimum of six months from the date of the announcement of the result. They should be made available for verification whenever directed by the Registrar (Evaluation).
- e. Every page of the CIE marks list must be signed by the concerned faculty, the Head of the Department, and the Principal. The marks list shall be displayed on the notice board to allow for any corrections, which must be made before submission to the CoE, KSIT. The Head of the department are responsible for sending the finalized CIE marks to the COE, KSIT well in advance of the Semester End Examinations. No corrections will be accepted once the marks list has been submitted to the COE, KSIT.

- f. Candidates who obtain less than 50% of the CIE marks in any course either Theory, Laboratory, Internship, or Project will be deemed ineligible to appear for the Semester End examination in that course. In such cases, the Head of the Department shall facilitate opportunities for the candidate to improve their CIE marks when the course or laboratory is offered again in the subsequent academic year, in accordance with the provisions of regulation 6.4.

10.2 Semester End Evaluation (SEE):

- I. The weightage for the Semester End Evaluation (SEE) is 50% of the maximum marks allotted for each theory and practical course. A University examination shall be conducted at the end of each semester.
- II. Setting of Theory Question Papers and Evaluation: Theory question papers shall be prepared by examiners appointed by the University. There shall be a double valuation system for all theory papers, wherein the answer scripts are evaluated independently by two examiners appointed by the CoE, KSIT.
- III. Valuation Process:
 - a. If the difference between the marks awarded by the two examiners is 15% or less of the maximum marks, the candidate shall be awarded the average of the two evaluations.
 - b. If the difference exceeds 15%, the answer script shall be evaluated by a third examiner appointed by the CoE, KSIT. In such cases, the average of the marks of the two closest valuations shall be considered as the final marks.
 - c. If one of the three marks lies exactly midway between the other two, the higher two marks shall be taken for averaging.

11. ELIGIBILITY FOR PASSING AND AWARD OF DEGREE

11.1 Eligibility for passing

- I. A student securing any grade from 'O' to 'C' in a course shall be considered as passed. However, if a student obtains an 'F' grade in any head of passing, they must reappear for the Semester End Examination (SEE) in that specific head.

- II. A student shall be declared successful at the end of the Programme for the award of Degree only on obtaining CGPA ≥ 5.00 , with none of the Courses remaining with F Grade.
- III. To pass a theory or laboratory (practical) course, a student must secure:
 - a. A minimum of 40% marks in the SEE,
 - b. A minimum of 50% marks in CIE, and
 - c. A minimum of 50% in the aggregate of CIE and SEE.
 - d. The minimum passing grade in such courses is 'C'.
- IV. For Internship, Seminar, Project, Dissertation, and Viva-voce examinations, a student must secure at least 50% of the maximum marks prescribed for the SEE. The minimum passing grade in these course is 'E'.
- V. Candidates in the IV semester who have backlogs in earlier courses are allowed to upload the dissertation report and appear for the SEE. However, the grade card for the IV semester will be issued only after clearing all backlog courses and becoming eligible for the award of the degree.
- VI. A candidate may at his/her desire reject his/her latest semester, except the IV semester, results of SEE in respect to all courses of that semester. Rejection shall be permitted only once during the entire Programme. The CIE marks of the rejected semester shall remain the same. Rejection of results of the University examination including CIE marks is not permitted.
- VII. If a candidate chooses to reject the SEE results of an odd semester, they are permitted to take admission to the immediate next even semester. However, if the rejected results pertain to an even semester, the candidate is not allowed to take admission to the following odd semester.
- VIII. The application for rejection of results must be submitted to the CoE through the HoD, Dean academics and principal of the college, within seven days from the date of announcement of the results
- IX. A candidate who opts for rejection of a semester's results shall remain eligible for the award of class and distinction, but will not be eligible for the award of rank.

11.2 Eligibility for Award of Degree:

A student shall be declared to have successfully completed the Master of Computer Applications (MCA) degree upon fulfilling all stipulated course work as per the applicable regulations and earning the prescribed credits in accordance with the Scheme of Teaching and Examination for the programme.

12. ATTENDANCE REQUIREMENT, REGISTRATION, AND ENROLMENT:

12.1 Registration and Enrolment:

- I. Except for the first semester, students must register for each semester during a specified week prior to the Semester End Examination (SEE) of the previous semester.
- II. The registration sheet must include the candidate's details, course name and code, number of credits, and category (core/elective/audit) for each course in that semester.
- III. A Faculty Adviser, appointed by the Head of the Department, will guide students in planning their course of study, providing academic counselling, emotional support, and career guidance.

12.2 Attendance Calculation:

- I. Each semester's courses are treated as separate units for the purpose of attendance calculation.
- II. A candidate is required to maintain a minimum attendance of 85% in each course. However, a shortage of attendance up to 10% may be condoned by the Principal on the specific recommendation of the HoD, subject to valid reasons. Condonation may be considered in cases such as:
 - Medical grounds
 - Participation in NSS/NCC/Red Cross,
 - Republic Day or Independence Day parades
 - Representation in University/State/National/International level sports or cultural events
 - Participation in seminars, workshops, or paper presentations of academic significance

- III. Appropriate supporting documents must be submitted along with the HoD's recommendation to request condonation for the shortage of attendance.
- IV. A candidate, who does not satisfy the attendance requirement (in one or more Courses) as mentioned above shall not be eligible to appear for the SEE of that semester and shall not be permitted to take admission to the next higher semester.
- V. The candidate shall be required to repeat that semester during the subsequent year. For candidates admitted late to the I or III semester with approval from the competent authority (Karnataka Examination Authority/VTU), attendance will be calculated from the actual date of admission
- VI. Monitoring and Notification: The Head of the department must regularly notify the list of candidates who fall short of attendance. This list must be submitted to the CoE, KSIT at least one week prior to the commencement of the examination.

13. PROMOTION AND ELIGIBILITY (VERTICAL PROGRESSION):

- I. There shall be no restriction on promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
- II. A candidate shall be eligible for admission to the second year of the program only if they have a maximum of four backlog courses from the first year. Each credit course is treated as a separate head of passing for this purpose.
- III. Mandatory non-credit courses, if any, will not be considered for determining eligibility for promotion, award of class, or calculation of SGPA and CGPA. However, passing these courses is mandatory before the award of the degree.
- IV. Passing of ONLINE courses is compulsory for the award of the degree. Although these online courses are not considered for vertical progression, students must complete them within the maximum duration of the program. If a student fails a selected online course in a given semester, they may complete it in a subsequent semester by taking the same course again (if re-offered online), or Opting for another approved online course available during that period. The title of the qualified course(s) will be recorded in the grade card with the letter 'PP' (Pass in Online Course).

14. TEMPORARY DISCONTINUATION/BREAK IN THE PROGRAM

- (a) If a candidate temporarily discontinues the programme or takes a break during any semester for any reason, they may be permitted to rejoin the programme by registering for the same semester under the prevailing scheme. The candidate must complete all remaining coursework, subject to the provisions of Regulation 6.4. Additionally, based on the equivalence established between the old and new schemes, the candidate may be required to complete additional course(s) as decided by the concerned Board of Studies approved by the Dean Academics and Principal. A grade card will be issued reflecting completion of such courses. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion, but may be considered for calculating SGPA and CGPA in determining eligibility for the award of the degree. However, such candidates will not be eligible for the award of rank.
- (b) Candidates who are admitted to any semester of the current scheme from a different (previous) scheme, either as repeater / fresher, are also required to complete additional course(s) if needed, as determined by the Board of Studies Board of Studies approved by the Dean Academics and Principal, based on the equivalence between the two schemes. A grade card will be issued accordingly. Like in clause 14(a), these additional courses will not be considered for promotion eligibility, but may be used in the calculation of SGPA and CGPA to assess eligibility for the degree award. Such candidates, too, shall not be eligible for the award of rank.

15. AWARD OF PRIZES, MEDALS AND RANKS

15.1 Award of Prizes and Medals: The award of Prizes and Medals shall be governed by the conditions stipulated by the Donor, subject to the statutes framed by the KSIT for such recognitions.

15.2 Award of Ranks

1. The award of rank in the Master of Computer Applications (MCA) programme is based on the Cumulative Grade Point Average (CGPA) secured by the student upon successful completion of the programme.

2. A student shall be eligible for a rank at the time of awarding the MCA degree only if the following conditions are met:
 - (a) The student is not a repeater in any semester.
 - (b) The student has not rejected the results of any semester.
 - (c) The student has passed all courses in Semesters I to IV in the first attempt only.
3. The total number of ranks to be awarded shall be 10% of the total number of students who appeared for the IV semester examination, subject to a maximum of 10 ranks.

Illustration:

- a. If 150 students appeared for the IV semester, then 10 ranks will be declared.
 - b. If 84 students appeared, then 8 ranks will be declared.
 - c. In case of a fractional number of ranks, the number will be rounded up only if the first decimal place is 5 or more.
4. Ranks are awarded strictly based on merit, determined by CGPA. In case two or more students have the same CGPA, the tie will be resolved by comparing the number of times each student has secured a higher SGPA. If the tie persists, the frequency of higher letter grades (like S, A, B, etc.) obtained by the students will be considered to determine the rank order.

16. GRADUATION CEREMONY

1. The College organizes an annual Graduation Day ceremony prior to the University Convocation to confer Provisional Degrees to students who have successfully fulfilled all academic requirements within the prescribed duration. Only those students recommended by the Office of the Controller of Examinations (COE) and approved by the Academic Council shall be eligible to receive the Provisional Degree, upon submission of the prescribed application form and payment of the applicable fee to the Office of the COE.
2. Students who are recommended for the award of the degree by the COE and approved by the Academic Council must apply to the University for the official Convocation Degree Certificate, along with the prescribed convocation fee.

3. To promote academic excellence, the College confers Ranks and Medals on outstanding students during the Graduation Day ceremony, recognizing their meritorious performance throughout the program.

17. MALPRACTICE

For matters concerning student malpractices during examinations, please refer to the **“KSIT Examination manual 2025-26: Section 3.11.**

18. CONFLICT OF INTEREST GUIDELINES FOR STAFF:

18.1 Any staff member whose **ward is enrolled in any program** at the institute **shall not serve** on the following academic and administrative bodies:

- Governing Body (GB)
- Academic Council (AC)
- Board of Studies (BoS)
- Board of Examinations (BoE)
- Malpractice Enquiry Committee (MEC)
- Academic Grievance Cell (AGC)
- Disciplinary Committee (DC)
- Student Counselling Cell (SCC)
- Departmental Academic Affairs Committee (DAAC)
- Controller of Examinations (COE)

18.2 Any staff member whose **ward is registered for a course** offered by their own department **must not be involved** in:

- Question paper setting
- Evaluation or review of answer scripts
- Conduct of practical exams
- Conduct of internal tests or any examination-related duties for that course

19. APPLICABILITY AND POWER TO MODIFY

The regulations governing the Master of Computer Applications (MCA) degree under KSIT Autonomous (*Under Visvesvaraya Technological University (VTU)*) shall be binding on all stakeholders involved in the programme.

- (i) Notwithstanding anything stated in the preceding regulations, the KSIT reserves the right to issue directions or orders to address any difficulties or unforeseen circumstances that may arise during the implementation of these regulations.
- (ii) These regulations shall not be interpreted as limiting the authority of the KSIT Autonomous (*Under Visvesvaraya Technological University (VTU)*) to amend, modify, or repeal any or all of the provisions mentioned above, as deemed necessary.

NOTE: These regulations are subject to modification by the Academic Council (AC) as required. Ignorance of these rules is not an acceptable excuse for non-compliance.