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HAND BOOK OF GENERAL INFORMATION
Academic Rules, Regulations & Guidelines
for the Students of

Postgraduate Programs
of
2022 SCHEME

(WITH EFFECT FROM 2022-23)

Academic Planning, Assessment & Evaluation Process

Guidelines for Students of the Postgraduate Programs

2022 SCHEME

(WITH EFFECT FROM 2022-23)

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VISION

Leadership in Technical Education, Interdisciplinary Research & Innovation, with a Focus on Sustainable and Inclusive Technologies.

MISSION

- To deliver Outcome Based Quality Education, emphasizing on experiential learning with state-of-the-art infrastructure.
- To create a conducive environment for interdisciplinary research and innovation.
- To develop professionals through holistic education focusing on individual growth, discipline, integrity, ethics and social sensitivity.
- To nurture industry-institution collaboration leading to competency enhancement and entrepreneurship.
- To focus on technologies those are sustainable and inclusive, benefiting all sections of the society.

QUALITY POLICY

Achieving Excellence in Technical Education, Research and Consulting through an Outcome Based Curriculum focusing on Continuous Improvement and Innovation by Benchmarking against the global Best Practices.

CORE VALUES

Professionalism, Commitment, Integrity, Team Work and Innovation.

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GLOSSARY OF ABBREVIATIONS

1.	Academic Autonomy	Freedom given to a College in all aspects of conducting its academic programs, granted by the University for promoting excellence (within the guide lines of VTU)
2.	AC	Academic Council
3.	Autonomous College	College designated as an autonomous college by the university, as per the VTU Autonomous College Statute- 2006.
4.	AUD	Audit Course
5.	AEC	Ability Enhancement Course
6.	BoS	Board of Studies
7.	CIE	Continuous Internal Evaluation
8.	Commission	University Grants Commission
9.	Council	All India Council for Technical Education
10.	CGPA	Cumulative Grade Point Average
11.	GAC	Grading Advisory Committee
12.	Lateral Entry	Such students who have joined the program in the second year of four-year program
13.	MHRD	Ministry of Human Resources Development
14.	NSAR	Not Satisfied Attendance Requirement
15.	NSSR	Not Satisfied Sessional Requirement (did not get the Minimum CIE requirement to appear for SEE)
16.	Regular B.E.	Such students who have joined the program in the first year of four- year program
17.	SEE	Semester End Examination
18.	SGPA	Semester Grade Point Average
19.	University	Visvesvaraya Technological University (VTU)
20.	UG	Undergraduate Program
21.	PG	Postgraduate Program
22.	PH	Physics
23.	MCA	Master of Computer Applications
24.	MPD	M.Tech in Product Design & Manufacturing
25.	MDC	M.Tech in Digital Communication
26.	MCE	M.Tech in Computer Science & Engineering
27.	MVE	M.Tech in VLSI Design & Embedded Systems
28.	MCN	M.Tech in Computer Network Engineering
29.	MMD	M.Tech in Machine Design
30.	MCS	M.Tech in Communication Systems
31.	MPE	M.Tech in Power Electronics
32.	MST	M.Tech in Structural Engineering
33.	MSE	M.Tech in Software Engineering
34.	MIT	M.Tech in Information Technology
35.	MHT	M.Tech in Highway Technology
36.	MBT	M.Tech in Biotechnology
37.	MCA	Master of Computer Applications
38.	MDC	M.Tech in Digital Communication
39.	MCE	M.Tech in Computer Science & Engineering

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1.1 RASHTREEYA SIKSHANA SAMITHI TRUST (RSST)

Committed towards the dissemination of knowledge for the last 8 decades, we at Rashtreeya Sikshana Samithi Trust (RSST/RV) are dedicated to impart quality education in all disciplines. Our purpose of providing education at a higher scale was etched in stone in 1940 with the inception of the RV Higher Primary School by late M.C. Sivananda Sharma.

Described by many as insightful and hardworking, he was born and raised in a village called Madarahalli where he discovered his passion for reading books and learning from a young age. Inspired by the teachings of Mahatma Gandhi, Sri. Sivananda Sharma joined the Indian Independence movement as a freedom fighter where he realized his purpose of providing quality education for the development of the country. Following the principles of the Indian educationist Pandit Madan Mohan Malaviya, he initiated the journey of RV Educational Institutions (RVEI) from a single classroom with an enrolment of 6 students.

Today, our educational ecosystem consists of more than 20 institutions, which are supported by more than 2000 staff members with nearly 20000 students. Our academic infrastructure comprises of degree colleges, health science institutions, technology institutions, pre-university colleges & schools. We initiated RV-Skills to provide industry centered courses in Artificial Intelligence (AI), Automotive Engineering (AE) and Very Large System Integration (VLSI). Latest addition is RV University (RVU), a State Private University which has been established in Karnataka State with RSST as the sponsoring body in the year 2020. **RVU** is offering UG, PG and Doctoral degree in Liberal Arts and Sciences, Design and Economics and Finance. Additionally, we also have an Incubation Centre to guide & fund budding start-ups.

At RV, Institution dedicated to our mission of providing "excellence in education with societal commitment". Our institutions provide equal opportunities to the underprivileged and students with special needs. We also undertake social welfare initiatives through our institutions by organizing health camps, enhancing education in government schools and community awareness programs in rural areas.

We earnestly endeavor to make every student a success story. Our motto "Go, Change the world" inspires us to create a holistic educational experience, which empowers our students to grow and develop as global leaders who can revolutionize their respective fields for the betterment of society.

1.2   RV COLLEGE OF ENGINEERING (RVCE)

RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST) a not-for-profit Trust. RVCE is an Autonomous college. Currently, the institution offers 15 Bachelor, 16 Master Programs and 15 departments have Research Centres, affiliated to Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a Vision *"Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, With a Focus on Sustainable and Inclusive Technology".*

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Ranked 96th in the Country by National Institutional Ranking Framework (**NIRF: 2022-23**), **QS-IGUAGE -Diamond University Rating** (2021-2024), **EduFuture Excellence Award -Best Private Engineering University (South)** by Zee Digital, **"Engineering College of the Year-2021"** by the Higher Education Review Magazine, **Ranked 13th in the country & 2nd in Karnataka - IIRF Ranking (2021)**, **Ranked 6th** among the top 10 of 100 Pvt. Engg. Colleges in the Country by Education World Magazine. Eleven UG programs and eligible M.Tech. & MCA programs have been accredited by NBA multiple times.

1.3   OUTCOME BASED EDUCATION (OBE) WITH EXPERIENTIAL LEARNING (EL)

RVCE granted Autonomous Status by the VTU, UGC and Government of Karnataka in the year 2007 for its undergraduate programs and in the year 2016 for postgraduate programs. Being an Autonomous college affiliated to VTU, RVCE prescribes its own syllabi and academic activities. The institution has implemented Outcome Based Education (OBE) with a focus on ICT and project-based leaning to enhance critical thinking ability. The institution has introduced experiential learning to motivate students to innovate, bring in teamwork and lifelong learning & encourage students to form multidisciplinary groups for major projects, leading to securing funded projects. The programs are designed with requisite number of foundation courses, advanced courses, SWEBOK, MOOCS, NPTEL, QEEE, industry-based electives and laboratories to facilitate enhancement of competence of the students in all the relevant domains and render them employable, prepare them for higher studies, entrepreneurship and public service.

The academic activities concentrate on helping the students to gain an excellent theoretical knowledge base and in the development of skills to implement them. The latest teaching aids from multimedia equipment to simulation techniques ensure a thorough learning process. The college regularly invites experts and industry professionals to impart practical skills and lessons to students. Industrial visits are encouraged to help the students to grasp the technology at work. It is up to the student to take advantage of opportunities provided and build a bright future.

1.4   INTER-DISCIPLINARY RESEARCH & INNOVATION

By identifying institutional strength, interdisciplinary research areas have been identified, with the emphasis on creating a Unique Selling Point (USP) for the institute. RVCE is looking to contribute to sustainable development as practiced in ancient India and as advocated by the father of the Nation Mahatma Gandhi. The motto is, "Leveraging global knowledge and delivering local solutions".The institution graduated to a teaching and research institution, making use of large number of faculty with doctoral degree on its rolls. Distinguished scientists and leaders in Research in several domains are part of RVCE faculty. Research motivation includes incentivizing faculty to take up sponsored research and consultancy. The institution has to its credit over 1400 National and International Journal publications, completed sponsored research and consultancy projects worth Rs. 30.0 crores in the last three years.
The institution has over 75 licensed modelling, analysis and simulation software along

with high-end computing infrastructure. Most of the faculty members are involved in funded projects in the niche areas of IoT, cloud computing, Biotechnology, Robotics, and Mechatronics. This way, their knowledge base has been enhanced. The institution has to its credit over 50 filed patents, 47 published patents, 9 granted patents, completed sponsored research and consultancy projects worth Rs. 25.0 crores in the last three years.

The institution has established various Centres of Competence/Excellence in the campus.

Table 1 Centers of Competence / Excellence

SL NO	Name of the CoC / CoE	Coordinating Department
1.	Centre for Automotive Mechatronics	ME
2.	BOSCH REXROTH – RVCE Centre of Competence in Automation	ME
3.	Centre of Excellence in Macroelectronics	EC
4.	CISCO-RVCE Centre of Excellence in Internet of Things (IoT)	Interdisciplinary
5.	Centre of Excellence in Computational Genomics	BT
6.	Centre of Excellence in Smart Antenna Systems & Measurements (SASM)	EC
7.	Centre of Excellence for e-Mobility (Greaves Cotton)	EE
8.	Center for Quantum Information and Technology [CIRQuIT]	Interdisciplinary
9.	Center for CCTV Research	ET
10.	Centre for Education & Digital Learning Research (CEDLR)	Interdisciplinary
11.	Centre for Hydrogen and Green Technology Research	CY
12.	Samsung R&D Institute India (SRI-B) PRISM Program	ET
13.	Centre for Smart City Technologies	CV
14.	Centre for Logistics and Supply Chain Management	IM
15.	Centre for Visual Computing	CS
16.	Centre for Supply Chain Management	IEM
17.	CoE in Women in Cloud	IS
18.	CoE in Cognitive Intelligence Systems for Sustainable Solutions	CS
19.	Centre of Competence in Software Skills	Interdisciplinary

➢ **Wipro-IISC Research & Innovation Network Consortium (WIRIN)**

Wipro, IISc and RV College of Engineering have signed up an MOU that promotes collaborative research in artificial intelligence, machine learning, computer vision, and human machine interaction, related to autonomous systems and robotics. The key objective of the initiative is to promote research and education in this emerging area leading to end-to-end system development and capacity building.

An autonomous car is a vehicle capable of sensing its environment and operating without human involvement. The Society of Automotive Engineers (SAE) currently defines 6 levels of automation ranging from level 0 (fully manual) to level 5 (fully

autonomous). The principal activities include Collaborative research projects involving RVCE and IISc faculty members and Wipro researchers in topics and problems of relevance to autonomous systems and robotics - especially in artificial intelligence, machine learning, computer vision, and human machine interaction.

A lab has been set up in our college campus for carrying out all the activities related to this WIRIN Project. Some of the major activities which are being carried out include Data Collection and Annotations for the preparation of National Dataset in Indian Road Conditions, Designing and fabrication of the Vehicle, Development and Implementation of various Machine Learning and Deep Learning Algorithms etc. Students of almost all the branches are involved in this project. Future scope of this project is to promote the research in the field of autonomous vehicles and inculcate the importance of research in students.

The Automotive Mechatronics skill-based training school at RV - Mercedes Benz Centre began in August 2018 with the aim of providing deep insight into automotive systems. The parent company Daimler AG, Germany along with Mercedes-Benz India and RV College of Engineering joined hands to start the program and train students to address the requirements of Mercedes-Benz technology and innovation. 'Advanced Diploma in Automotive Mechatronics (ADAM)' aims to produce qualified, industry-ready professionals to be recruited at dealerships of MBIL as well as other brands of automobiles, automotive manufacturing plants and also at automotive R&D centers.

RVCE has established a knowledge and skill-based training centers such as Bosch Rexroth Automation Technologies Labs, Tata Ready Engineer's program. RVCE has conducted training on computer hardware, software and solar maintenance for rural studentunder Suryamitra scheme –Sponsored by AICTEBosch Rexroth Automation Technologies Labs, Tata Ready Engineer's program. AICTE and state sponsored on computer hardware and software and Suryamitra – solar maintenance.

1.5   INDUSTRY INSTITUTE INTERACTION & PLACEMENT

RVCE is rapidly expanding its R&D activity and Industry-Academic collaborations. Companies have set up their lab in the campus for students to continue their projects under them, which in return is making a student-company rapport, enhancing students' employability. Faculty and students are involved in executing industrial consulting works. The collaboration has been fruitful so far with student's interaction with industry personnel has been increased by means of industrial visits, internships, expert lectures and skill-based trainings. The collaborations are increasing year after year to meet the requirements of industry and RVCE has been a perfect launching pad for students.

RVCE has signed MoUs with over 90 companies across the world to help students to get internships and find research and consultancy projects for its faculty members. Many of our faculty members get to do funded projects with the industry.

RVCE has seen a phenomenal increase in terms of number of offers and salary packages in the recent years. More than 250 private and public sector companies visit for campus recruitment. Increased number of visits by the leading organizations for their talent search/recruit cutting across various sectors, which includes Software

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Engineering & Information Technology, Chemical Process, Health Care, Bio Process, Pharmaceutical, Construction, Manufacturing & Production, Consultancy, Business Analytics & Supply Chain Management, e-Commerce & Retail Business, Global Finance & Banking Service, Research & Development. Some of the companies visiting for recruitment in the above domains include Atlassian, Arcesium, Citrix, Adobe, Cloudrea, Commvault, Goldman Sachs, Microsoft, Morgan Stanley, Paypal, Qualcomm, Sales force, SAP, Udaan, Walmart, Deloitte, KPMG, PwC, WDC, Intel, Cisco, TI, NI, NXP, Samsung, Robert Bosch, Wipro, ABB, MindTree, Infosys, Cognizant, Tejas Networks, Boeing, Airbus, IQVIA, Axis Bank Limited, Federal Bank and many more.

RVCE has not felt the pinch of the sudden economic slowdown due to pandemic. Instead, a reverse trend has happened at RVCE. Last year, we had over 280 companies visiting our campus for recruiting our students, over 90 percent of students were placed in top firms. Highest package offered was a salary package of Rs. 53.18 Lakhs per annum and another eight students got Rs. 45 Lakhs per annum. For the academic year 2021-22, the institute has already received over 950 job offers and the numbers are still counting. The average packages ranged between 10-11 Lakhs per annum.

1.6   STUDENT ACTIVITIES

NSS, NCC and Rotaract Team at RVCE organizes various events related to Community and Social services. Students are encouraged to participate in these events. Also, Cultural Activity team helps the students to identify their talents and provide platform to showcase their talents. RVCE also encourages student's participation in Sports and sports persons are given adequate facilities in terms of allowances, uniforms and attendance to compete in university, interstate, national and international competitions.

RVCE has more than 16 INNOVATIVE TEAMS including Hybrid automobile vehicles, Unmanned Aviation Vehicles (UAV), Drones, Robots and Racing Cars. Students were encouraged to participate in various competitions. The information related to innovative clubs given in the **COVER PAGE**. They have consistently won many awards at the Regional, University, National and International level competitions. These teams are mentored by faculty and industry executives/experts. The institution also has 24 professional societies.

1.7   ENTREPRENEURSHIP CELL

The institute has been educating students about entrepreneurship for the past 10 years.   The younger generation is more interested in incubating their ideas and making them into their own venture once they are out of the campus. RVCE has created an ecosystem in the campus to learn entrepreneurship. There are 5-6 courses available for students from the first year. They will learn subjects like Intellectual Property Rights, Management & Behavior Science, Economics, Systems Engineering and many more. RVCE also has an Entrepreneurship Development Cell with over 200 students as members of it. The college has tied up with over 15 companies to give the guidance and support needed for student entrepreneurs.

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1.8   INTERNATIONAL COLLABORATIONS

The institution has signed MoU with University of Applied Sciences (FHWS) Wurzburg-Schweinfurt, Germany, Dortmund University of Applied Science and Arts- Germany and Florida International University, Miami, USA, University of the West of Scotland-Paisley, UK and jointly working in the area of Robotics and Automation, Business Engineering, Logistics, Mechatronics, Augmented Reality, Virtual Reality and E-Mobility. The focus of collaboration is on joint paper publications, executing projects and consultancy works, hosting certification programs and internships for students, faculty sabbaticals and organizing joint programs/conferences.

1.9   ENVIRONMENT & SUSTAINABILITY

RVCE's vision focuses on 'sustainability' and accordingly explores, initiates & addresses environmental issues with a clear-cut direction on 3Rs (i.e., Reduce, Reutilize, Recycle). Thus, aiming at conservation of resources and also gainfully harnessing renewable energy/rain water etc. In addition to making all out efforts in building awareness amongst the students & staff about the effect of our activities on the environment, Proactively the Institute is involved in a number of projects on alternate use of wastes or creation of new products.

The Institute has strong industry linkages with various firms for better exploitation/management of vital resources viz. i) KPMG for rain water harvesting, ii) PCB for air quality & noise monitoring, iii) ISRO for automatic weather monitoring etc. to name a few. As an environmental initiative, the Institute has introduced several courses on Environment in the curriculum at UG level. These include courses on Environment Technology, Biology for Engineers and Global Electives on

Green Technology, Solid waste Management, Renewable Energy, air pollution control engineering, Water supply Engineering, Waste water Engineering, Industrial wastewater treatment, Environmental impact assessment, Hazardous waste management etc. Further to bring in awareness, the Institute also conducts programs like talks by experts in the field, conducting National/International conferences/workshops, street plays, panel discussions etc that highlight emerging environmental issues and facilitate dialogue among key stakeholders.

Renewable resources exploitation efforts include installation of 500 KWP roof top solar power station and solar water heaters in all the Hostels, Rain Water Harvesting (RWH) system etc. The Institute has an excellent Waste Management System to collect, segregate and dispose of the waste generated.

1.10   GOVERNANCE

The Governing Body of the institution consists of academicians, policy makers, industrialists, philanthropists and nominated student members. This helps in balanced policy making, utilization of funds and student as well as staff welfare measures. The long-term plans have been laid down in the strategic plan document in consultation with Department committees, joint workshops of senior professors for strategy formulation. The Institutional Monitoring, Planning and Policy Implementation Committee (IMPPIACT) consists of HoDs, Deans & Associate Deans,

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who are responsible for continuous improvement through identifying needs, bringing in discipline, defining academic & research activities, future plans etc. Various Deans viz. Academic, Student Affairs, R&D and PG Studies are responsible for implementation, outcomes and improvements in their respective areas of responsibility at the institutional level. Feedback systems are in place to know about the gap that exists in the current academic and other practices to identify opportunities for continual improvements in the institutional processes and practices and the monitoring is through IQAC. Also SAP-ERP implementation for smooth administration. Mobile apps are developed for purchase and leave management. The institution has established a sound value system in terms of human resource policies and service rules for the employees implemented with no discrimination. SAP ERP package is implemented for Modules such as - Finance & Controlling (FICO), Human Cost

Management (HCM), Materials Management (MM), Success Factor involving Leave Management System (SF) and Student Life Cycle Management (SLCM). The college currently has student strength of about 5700, faculty strength of around 370, Technical & Administrative Staff around 230 and about 360 Research Scholars are pursuing Ph.D.

1.11 PROGRAMS OFFERED BY THE INSTITUTION

(A) UNDERGRADUATE PROGRAMS:

Table 2 UNDERGRADUATE PROGRAMS

Sl. No.	Program	Year of Starting	Branch code
1.	B.E. in Civil Engineering	1963	CV
2.	B.E. in Mechanical Engineering	1963	ME
3.	B.E. in Electrical & Electronics Engineering	1963	EE
4.	B.E. in Electronics & Communication Engineering	1972	EC
5.	B.E. in Industrial Engineering & Management	1980	IM
6.	B.E. in Electronics & Instrumentation Engineering	1981	EI
7.	B.E. in Chemical Engineering	1982	CH
8.	B.E. in Computer Science & Engineering	1984	CS
9.	B.E. in Electronics & Telecommunication Engineering	1992	ET
10.	B.E. in Information Science & Engineering	2000	IS
11.	B.E. in Biotechnology	2002	BT
12.	B.E. in Aerospace Engineering	2015	AS
13.	B.E. in Artificial Intelligence & Machine Learning	2021	AI
14.	B.E. in Computer Science & Engineering (Data Science)	2022	CD
15.	B.E. in Computer Science & Engineering (Cyber Security)	2022	CY

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(B) POSTGRADUATE PROGRAMS:

Table 3 POSTGRADUATE PROGRAMS

Sl. No.	Program	Year of Starting	Branch Code
1.	Master of Computer Applications	1997	MCA
2.	M.Tech in Product Design & Manufacturing	2004	MPD
3.	M.Tech in Digital Communication	2004	MDC
4.	M.Tech in Computer Science & Engineering	2004	MCE
5.	M.Tech in VLSI Design & Embedded Systems	2005	MVE
6.	M.Tech in Computer Network Engineering	2005	MCN
7.	M.Tech in Machine Design	2006	MMD
8.	M.Tech in Communication Systems	2006	MCS
9.	M.Tech in Power Electronics	2006	MPE
10.	M.Tech in Structural Engineering	2006	MST
11.	M.Tech in Software Engineering	2006	MSE
12.	M.Tech in Information Technology	2007	MIT
13.	M.Tech in Highway Technology	2009	MHT
14.	M.Tech in Biotechnology	2011	MBT

(C) RESEARCH CENTERS:

The following departments offer M.Sc (Engg.) by research and Ph.D., recognized by VTU.

Table 4 RESEARCH CENTERS

Sl. No.	Program	Year of Starting
1.	Mechanical Engineering	1999
2.	Chemical Engineering	2000
3.	Electronics & Communication Engineering	2004
4.	Industrial & Engineering Management	2004
5.	Electronics & Telecommunication Engineering	2004
6.	Computer Science & Engineering	2004
7.	Civil Engineering	2005
8.	Biotechnology	2008
9.	Chemistry	2008
10.	Information Science & Engineering	2011
11.	Master of Computer Applications	2011
12.	Physics	2011
13.	Electronics and Instrumentation Engineering	2011
14.	Mathematics	2011
15.	Electrical and Electronics Engineering	2012

(D) DIPLOMA (UG & PG) AND CERTIFICATE COURSES /PROFICIENCY COURSES:

This will help in-house and external professionals and students to gain additional skills in the state-of-the-Art Technology and Science. Proficiency / Certificate courses are also being offered from time to time for both UG and PG students for upgrading their knowledge and skills. Such courses are open to outside participants also.

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2.0   ADMISSION PROCESS

2.1 ELIGIBILITY RULES FOR ADMISSION TO MASTER OF TECHNOLOGY PROGRAM

Admission to the Master of Technology course shall be open to all the candidates who have passed BE/B.Tech Examination of VTU (as per the eligibility criteria specified from time to time) or any other University / Institution. The decision of the equivalence committee will be final in establishing the eligibility of the candidates for a particular course. For the candidates with foreign degrees equivalence certificate from the association of Indian Universities is a must.

Candidates who have completed their pre-requisite degree through the distance mode education are NOT eligible for admission to M.Tech.

Admission to M.Tech program shall be open to the candidates who have passed the prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the years of the degree examination. However, in case of candidates belonging to SC/ST and Category I, the aggregate percentage of marks in the qualifying examination shall not be less than 45%.

The candidate must have secured the requisite marks in the entrance exam for PG Programs as per the Karnataka Examination Authority (KEA) or under GATE with an admission order from KEA are eligible for the admission to M.Tech Programs or through the entrance exams conducted by the University or RV College of Engineering.

For admission under the management quota: The candidates should have appeared and qualified in the Entrance Exam conducted by KEA or qualified under GATE or appeared and qualified through the entrance examination conducted by the University or RV College of Engineering.

> **For more details log on to**
> (i)   **KEA website: http://kea.kar.nic.in**
> (ii) **VTU website: http://www.vtu.ac.in**

2.2 ELIGIBILITY RULES FOR ADMISSION TO MASTER OF COMPUTER APPLICATIONS PROGRAM

The approved sanctioned intake by AICTE is 120. For admission to Master of Computer Applications program the candidates shall have passed BCA/ Bachelor Degree in Computer Science and Engineering or equivalent Degree

<div align="center">

OR

</div>

Passed B.Sc./ B.Com./ B.A. with Mathematics at 10+2 Level or at Graduation Level (with additional   bridge course as per the norms of the concerned University)

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Admission to MCA program shall be open to the candidates who have passed the prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the years of the degree examination. However, in case of candidates belonging to SC/ST and Category I, the aggregate percentage of marks in the qualifying examination shall not be less than 45%.

The candidates are required to write Eligibility test PGCET conducted by KEA (Government Quota for Karnataka Students) or KMAT conducted by KPPGCA (Management Quota for all students) respectively every year and notified separately by each organization

For more details log on to
(i) KEA website: https://kea.kar.nic.in
(ii) VTU website: https://www.vtu.ac.in
(iii) KMAT website: https://www.kmatindia.com

2.3 PROGRAM DURATION for PG - M.Tech / MCA Programs
   (a) The regular duration of a PG academic program is **TWO (2)** Years
   (b) The maximum duration to complete the full time PG program is **FOUR (4)** years.

2.4 NOMENCLATURE OF PG PROGRAMS

Table 5 NOMENCLATURE OF PG PROGRAMS

Sl. No.	Program	Nomenclature
1.	Master of Computer Applications	MCA
2.	M.Tech in Product Design & Manufacturing	MPD
3.	M.Tech in Digital Communication	MDC
4.	M.Tech in Computer Science & Engineering	MCE
5.	M.Tech in VLSI Design & Embedded Systems	MVE
6.	M.Tech in Computer Network Engineering	MCN
7.	M.Tech in Machine Design	MMD
8.	M.Tech in Communication Systems	MCS
9.	M.Tech in Power Electronics	MPE
10.	M.Tech in Structural Engineering	MST
11.	M.Tech in Software Engineering	MSE
12.	M.Tech in Information Technology	MIT
13.	M.Tech in Highway Technology	MHT
14.	M.Tech in Biotechnology	MBT

3.0 ACADEMIC PLANNING

3.1 ACADEMIC PLANNING FOR ENGINEERING

- The curriculum is designed as per OBE and shall include General Engineering courses, Basic Science, Humanity & Social Sciences, Core Professional Engineering, Professional Electives and Global (Open) Electives and Project works.
- The percentage distribution / coverage of courses are as per the guidelines given by VTU / UGC / AICTE and Ministry of HRD, New Delhi.
- Individual Board of Studies **(BoS)** for each department takes care of formation of Scheme and Syllabus. The same is then approved by the Academic Council (AC) of the Institution.
- There shall be an equal emphasis on theory, practical / laboratory and workshops.
- Emphasis is also given for Self-study and experiential learning.
- Additions and deletions of any particular course have to be recommended by respective BoS and approved by the Academic Council of the Institution.
- Exclusive major projects and minor projects are also included in the curricula.
- Many interdisciplinary courses and open or global electives are also offered and a student can choose from these as per his/her interest.
- All students have to undergo **Continuous Internal Evaluation (CIE) which** includes Tests, Quizzes, Experiential learning.
- At the end of the semester eligible students have to take Semester End Examination (SEE) for both theory and practical as per the scheme.
- Students declared as Not Satisfied Attendance Requirements (NSAR) or Not Satisfied Sessional Requirements (NSSR) (Now termed as Not Eligible – NE)are not eligible to take up Semester End Examination (SEE) in that particular Course including laboratory, if any.

CALENDAR OF EVENTS: Academic Calendar will be prepared before the commencement of the academic year and published in the college website (www.rvce.edu.in)

College Timings: Monday to Friday: 9.00 AM to 4.45 PM
Saturday: 9:00 AM to 1:45 PM (Only on 2nd, 4th and 5th Saturday of the month)

Table 6 Academic Calendar

Number of Semesters/years	Two Main semesters (*Odd, Even*) and a supplementary semester
Semester Durations (Weeks)	Main semesters (*Odd, Even*):19 weeks each **(16 weeks of Academics & 03 weeks of exams)** Supplementary semester:10 weeks **(08 weeks of Academics & One / Two weeks of Exams)**

If special / remedial classes are arranged by the departments, students will have to mandatorily stay beyond working hours/ timetable including Saturdays. These classes will be counted for attendance.

3.2 SEMESTER REGISTRATION/ DROPPING / WITHDRAWAL OF COURSES

(a) **Every student has to register in person** at the beginning of every semester as per the notification issued by the office of the Dean Academics from time to time. **Such students, who do not register within one week from the date of commencement of the semester, shall not be eligible to take up that particular semester. Parents are advised to note.**

(b) In case of any delay to register due to any exigency, the **parent and student should intimate the Principal/Dean Academics / Dean Student Affairs / Head of the department, RVCE, in advance, indicating the reason for delay** in registering. However, for such students also, **the attendance requirement shall be calculated from the date of commencement of the semester** and not from the date of reporting to Institution.

(c) A student may be barred from registering for a semester for specific reasons for not registering, non-payment of fees, not eligible for the current semester due to lack of earning enough credits etc.

(d) **Dropping of Courses:** A student can drop a course under the guidance of the counselor in the specified period (after one month from the date of commencement of the semester) if the counselor and parent feel that the student cannot cope up with all the courses. This dropping of course shall be intimated to the Dean Academics through the HoD & counselor & Dean (PG Studies) before the dropping date as announced in the calendar of events. However, the total credits should **NOT FALL SHORT OF 16 (SIXTEEN) CREDITS** which are the minimum number of credits to be registered per semester. **Dropping of the course is not treated as attempt; student must re-register for that course after IV semester of the program. The dropped courses are not recorded in the Grade Card.**

Note:
1. If a candidate drops a course, then that particular course has to be taken up only in regular semester but not in fast-track.
2. **This facility is not applicable for first year students.**

(e) **Withdrawal from Courses**: A student may opt to withdraw from a course on or before the date specified (normally one month before the end of semester) in the calendar of events. Such students who want to utilize this facility have to submit an application through the HoD to Dean Academics & Dean (PG Studies), in consultation with counselor, parent and HoD of the respective department. The candidate should have fulfilled the attendance criteria (for the course/s that he / she want to withdraw). **The withdrawn course(s) are recorded in the Grade**

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Card as 'W' grade. However, such withdrawals will be permitted without prejudice to the minimum number of credits as specified in (d). **This facility is not applicable for first year students. Such of those students, who have been declared "W" grade have to re-register during supplementary semester and earn both attendance & CIE and clear semester end examination.** Such a candidate should have fulfilled the attendance requirement for the course(s) subject to maintaining the minimum requirement of 16 (Sixteen) credits for the semester.

   * **'W' Grade is treated as an attempt.**

3.3   ATTENDANCE REQUIREMENT

a) Each semester is considered as a unit and the candidate has to put in a minimum attendance of 85% in each course with a provision for condonation of 10% of the attendance by the Principal, RVCE for reasons such as (i) serious medical condition or (ii) representing the Institute / University /State /Nation in sports, cultural, technical or academic activity with the permission of the Principal duly endorsed by Dean Student Affairs and Dean Academics. Even in such cases, a minimum of 75% attendance is absolutely mandatory. Documents have to be submitted and prior permission must be obtained from the Principal before attending the event. The students who do not satisfy this condition will be declared as **NSAR (Not Satisfied Attendance Requirement)**.

b) If a student does not fulfill the attendance requirements in any course, he/she is not permitted to attend the Semester End Examination in that particular course.

TEMPORARY BREAK OF STUDY FROM THE PROGRAM

   (i) A student shall be permitted to withdraw temporarily on grounds like prolonged illness, grave calamity in the family or any other serious happenings, if a candidate intends to temporarily discontinue the program in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health, grave calamity in the family or any other serious happenings) and wants to rejoin the program later in respective semester, he / she shall apply to the Principal, RVCE well in advance. Such application shall be submitted within **at least 6 weeks** of the commencement of the semester or from the date he/she has not attended the classes, whichever is later, stating fully the reason for such a withdrawal, together with supporting documents and endorsement of his/her parents/guardians through the Head of the Department stating.

   (ii) The institute shall examine such an application and if it finds the case to be genuine, it may permit the student to temporarily withdraw from the program. Such permission is accorded only to those (a) who have the possibility to complete the prescribed program requirements within the time limits specified by the university. (b) Who do not have any outstanding dues / demand at the college / University level including tuition fees, any other fees, library materials etc.

(iii) The candidate has to rejoin the semester after the break from the commencement of the respective semester as and when it is offered.

(iv) The total period for completion of the program is reckoned from the commencement of the semester to which the candidate was first admitted and shall not exceed the maximum period as specified in section 2.3. The maximum period includes the break period.

(v) If any candidate is detained for any reason, the period of detention shall not be considered as 'Break of Study'.

(vi) A student availing of temporary withdrawal under the above provision shall be required to pay such fees and/or charges as may be fixed by the college until such time as his/her name appears on the Students' Roll list. However, it may be noted that the fees/charges once paid shall not be refunded. Normally, a student will be entitled to avail of the temporary withdrawal facility only once during his/her studentship of the program. However, any other concession for the student shall have to be approved by the Academic Council of the College. Hence, the student shall take the advice of the Principal to use the above provision only in exceptional cases.

3.4 TERMINATION FROM THE PROGRAM

A student shall be required to withdraw from the program and leave the Autonomous College on the following grounds.

● Absence from classes for more than six weeks at a time in a semester without leave of absence being granted by the competent Authority.
● Failure to meet the standards of discipline as prescribed by the college from time to time.

3.5 SEMESTER SCHEME

Each academic year is divided into two main semesters and one summer semester with their calendar, duration and academic activities fixed in advance by the College and as approved by the AC. The plan for implementing the Semester Scheme in the College is given in the Table No 7.

Table 7 Break of Academic Year into semesters

Number of Semesters	There are two Main semesters and one Summer semester: **NOTE:** Summer semester is provided to assist failed students. The student has to pay a special fee prescribed by the college to register for a course in the summer semester. The summer semester is provided to help the student in not losing an academic year. It is optional for a student to make use of summer semester. Summer semester is a special semester and the student cannot demand specific courses as a matter of right.

Internship/Indus trial Training/ Field Work duringSummer Break	Students need to take up summer internship/ practical training / industrial training/ field work for a minimum period of 06 weeks as part of the academic curriculum. For regular students internship/ practical training / industrial training/ field work is between 2nd and 3rd Semester.
Semester Duration	Main Semester is for 16 Weeks excluding SEE exams or 90 or more working days (as per VTU) Summer Semester is for 8 Weeks excluding the exams
Academic Activities (Breakup in weeks)	(a)**Regular Semester:** Registration for course- Three days Course work - 16 weeks from the starting date of registration Examinations- 03 weeks **TOTAL: 19 weeks each** Declaration of Results- One week (b) **Summer Semester (only for students with NSSR/ NSAR/ F/ Wgrades):** Registration of courses- Three days Course work – 8 weeks from the date of starting of registration Examination- Two weeks **TOTAL: 8 weeks.** Declaration of Results – within one week
Examinations	Continuous Internal Evaluation (CIE) and Semester End Examination (SEE), both will have equal weightage in the student's performance evaluation in Course Work / Laboratory Work and other activities. (**NOTE**: The CIE tests would be conducted on dates announced in advance as per the calendar of events and its results made known to the students from time to time)
Academic Calendar	The calendar of events for each academic year will be announced for odd semester, even semester and subsequent summer semester (fast track) before the beginning of each academic year.

3.6   CREDIT SYSTEM

(a)   It is compulsory to implement a Choice Based Credit System (CBCS) for academic programs at all the Autonomous colleges under the university. This will be of considerable benefit to the students for customizing their programs of direct interest to them, developing their individual capabilities and talents and preparing them for exciting careers ahead in the 21st century.

(b)   The Autonomous college shall provide for the followings:
Easy access to the schemes of Instruction, Syllabi, Credit structure of programs and the courses being conducted by all students (either in print or in electric

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form) so as to assist them in coursework planning.

Institution finalizing the conduct of course works by adopting a centralized time table for all the programs at a college, with a view to assist the students in customizing their programs and also optimizing the use of physical facilities. Establishing a dynamic Faculty Advisory System at each college with 18 students assigned to an Advisor, for guiding them in planning/implementing their course work in a flexible and effective manner and also monitoring them.

3.7 CREDITS STRUCTURE

The Credit Structure for M.Tech and MCA programs are as given in table 8 and 9 respectively.

Table 8 Credit structure for M.Tech Programs

Theory/ Lecture(L) (hrs/wk/sem)	Tutorials (T) (hrs/wk/sem)	Lab/Practical (P) (hrs/wk/sem)	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	6	0:0:3	3

Table 9 Credit Structure for MCA Program

Lecture (hrs/wk/sem)	Tutorials (hrs/wk/sem)	Lab. Work (hrs/wk/sem)	Credits (L:T:P)*	Credits (Total)
0	0	4	0:0:2	2
2	0	0	2:0:0	2
3	0	0	3:0:0	3
4	0	0	4:0:0	4
3	2	0	3:1:0	4
3	0	2	3:0:1	4
0	0	8	0:0:4	4
3	2	2	3:1:1	5
4	2	0	4:1:0	5
4	0	2	4:0:1	5

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3.8 CREDITS REQUIREMENT FOR PG PROGRAMS

The total number of credits required to be earned by students to qualify for the various Degree/Certificate programs are given in Table **10.**

Table 10 Total number of credits required to be earned by students

Program	Normal Duration Years (semesters)	Total No. of Credits to be earned
M.Tech Degree	2 years (4 semesters)	80
MCA Degree	2 years (4 semesters)	100

Table 11 Credit Distribution for M.Tech Programs

Credit distribution for M.Tech Program			
Sl. No	Category	Credit Percentage(%)	Credits Assigned 2022 scheme
1	HSS	0-5%	4
2	Basic Science	4-5%	4
3	Professional Core	31%	26
4	Professional Electives	22 -23%	13
5	Other Electives (Global)	3-4%	3
7	Internship	5-6%	6
8	Project Work	30-31%	24
Total Credits (%)		**100**	**80**

Table 12 Credit Distribution for MCA Program

Credit distribution for MCA Program			
Sl.No.	Category	Credit Percentage(%)	Credits Assigned 2022 scheme
1	HSS (AUD/AEC)	4%	4
2	Basic Science	5%	5
3	Professional Core	9%	9
4	Integrated Professional Core	38%	38

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5	Professional Electives	15%	15
6	Technical Seminar	2%	2
7	Project Work/Internship	27%	27
Total Credits		**100**	**100**

4.0 EVALUATION SYSTEM

4.1 ASSESSMENT TESTING

a) Assessment testing will be done in two parts as follows, both of them being important **in assessing the student achievement:**

(i) Sessional, involving **Continuous Internal Evaluation (CIE)** will be conducted by the course teacher all through the semester. The evaluation process has three parts, executed by way of Quizzes (Q), Tests (T) and Assignment (A). The evaluation of assignment could be descriptive / analytical type assessment spread throughout the semester, weekly/fortnightly assignments, problem solving, group discussions and seminars depending on the course. CIE could also be evaluated by experiential learning, collaborative learning, project-based learning, problem-based learning, web-based learning, game-based learning, computer-support collaborative learning, mobile assisted learning and seamless puzzle-based learning. The tests have to be written in the official booklets. It is the student's responsibility to see and confirm the evaluation and marks obtained after each test. After ascertaining that he/she has obtained the marks as per the performance, the student shall sign in the blue book after each test.

(ii) Terminal Examination designated as **Semester End Examination (SEE)** will be conducted jointly with an external examiner. This will include a written examination for theory courses and practical/design examination including viva-voce for laboratory / design courses. Controller of Examinations (CoE) in coordination with Dean Academics, and Board of Examiners implements the SEE process.

1. CIE and SEE will have **EQUAL (50:50) WEIGHTAGE.**
2. A student's performance in a course is judged by considering the performance in both CIE and SEE.
3. The course load of 20-26 credits per semester is being followed as per the recommendation of BoS and Academic Council.
4. In the credit system, both CIE and SEE will have equal (50:50) weightage. A student's performance in a course is judged by considering the performance in both CIE and SEE.
5. The marks obtained by the student in CIE will be displayed in the respective departments and the students are expected to affix their signatures during a prescribed period as confirmation of their verification of the marks.
6. The number of credits is clearly defined in the scheme of study. All the students are required to compulsorily register for all the courses prescribed for regular semester.

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7. Faculty Advisors / Counselors will monitor the student's CIE performance; take necessary further steps to advice the student accordingly. As a follow up of this, each student will be advised to continue with the average load/credits, drop of courses or withdraw from them **as indicated in section 3.2.**

8. Students shall be allowed to choose the elective/s, depending on their career plans, and there shall not be any restriction on the minimum number of students to be registered for an elective course.

4.2. A. CONTINUOUS INTERNAL EVALUATION (CIE)

4.2.1 SCHEME OF CONTINUOUS INTERNAL EVALUATION FOR THE THEORY COURSES:

MTech - CONTINUOUS INTERNAL EVALUATION (CIE):
TOTAL MARKS: 40[T] + 20[Q] + 40[EL] = 100

Table 13 Scheme of Assessment Evaluation - Theory MTech

	CIE	SEE
WEIGHTAGE	50%	50%
QUIZZES [Q]		
Quiz-I & II	Each QUIZ will be conducted for 10 Marks adding up to 20 MARKS.	*****
THEORY COURSE [T] (Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating)		
Test – I	Each test will be conducted for 50 Marks adding up to 100 marks. Final test marks will be reduced to 40 MARKS	*****
Test – II		
EXPERIENTIAL LEARNING [EL]	Maximum Marks: 40	*****
Case Study-based Teaching-Learning	10	*****
Program Specific Requirement for the EL Assessment	20	
Video based seminar (4-5 minutes per student)	10	
MAXIMUM MARKS FOR THEORY [Q + T + EL]	100	100
TOTAL MARKS FOR THE COURSE	100	100

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MCA - CONTINUOUS INTERNAL EVALUATION (CIE):
TOTAL MARKS: 50[T] + 20[Q] + 30[EL] = 100
Table 14:Scheme of Assessment Evaluation - Theory MCA

	CIE	SEE
WEIGHTAGE	50%	50%
QUIZZES [Q]		
Quiz-I & II	Each QUIZ will be conducted for 10 Marks adding up to 20 MARKS.	*****
THEORY COURSE [T] (Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating)		
Test – I	Each test will be conducted for 50 Marks adding up to 100 marks. Final test marks will be reduced to 50 MARKS	*****
Test – II		
EXPERIENTIAL LEARNING [EL] Case study/ Project based / Presentation/ Demonstration	Maximum Marks: 30	*****
MAXIMUM MARKS FOR THEORY [Q + T + EL]	100	100
TOTAL MARKS FOR THE COURSE	100	100

4.2.2 SCHEME OF CONTINUOUS INTERNAL EVALUATION FOR COURSES WITH INTEGRATED LABORATORY
MTech - CONTINUOUS INTERNAL EVALUATION (CIE) :
TOTAL MARKS: 10[Q] + 30[T] + 30[EL] + 30[LAB] = 100
Table 15: Scheme of Assessment Evaluation – Integrated MTech courses

	CIE	SEE
WEIGHTAGE	50%	50%
QUIZZES [Q]		
Quiz-I & II	Each QUIZ will be conducted for 10 Marks adding upto 20 marks. Final QUIZ marks will be average of the two quizzes making it to 10 MARKS	*****
THEORY COURSE [T] (Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating)		
Test – I	Each test will be conducted for 50 Marks adding upto 100 marks. Final test marks will be reduced to 30 MARKS	*****
Test – II		

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EXPERIENTIAL LEARNING [EL]	30	*****
Case Study-based Teaching-Learning	10	*****
Program Specific Requirement for the EL Assessment	10	
Video based seminar (4-5 minutes per student)	10	
MAXIMUM MARKS FOR THEORY [Q+T+EL]	70	100
PRACTICALS	30	
TOTAL MARKS FOR THE COURSE	100	100

MCA - CONTINUOUS INTERNAL EVALUATION (CIE) :
TOTAL MARKS: 20[Q] + 50[T] + 30[EL] + 50[LAB] = 100

Table 16:Scheme of Assessment Evaluation- Integrated MCA courses

	CIE	SEE
WEIGHTAGE	50%	50%
QUIZZES [Q]		
Quiz-I & II	Each QUIZ will be conducted for 10 Marks adding upto 20 marks. Final QUIZ marks will be average of the two quizzes making it to 20 MARKS	*****
THEORY COURSE [T] (Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating, and Creating)		
Test – I	Each test will be conducted for 50 Marks adding upto 100 marks. Final test marks will be reduced to 50 MARKS	
Test – II		*****
EXPERIENTIAL LEARNING [EL] Case study/ Project based / Presentation/ Demonstration	30	*****
MAXIMUM MARKS FOR THEORY [Q+T+EL]	100	100
PRACTICALS	50	50
TOTAL MARKS FOR THE COURSE	100	150

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4.2.3 SCHEME OF CONTINUOUS INTERNAL EVALUATION FOR LABORATORY ONLY COURSES

CONTINUOUS INTERNAL EVALUATION (CIE): TOTAL MARKS: 40 + 10 = 50

Table 17:Scheme of Assessment Evaluation -Laboratory

	CIE	SEE
WEIGHTAGE	50%	50%
LAB (Record marks + LAB Test)	40	*****
EXPERIENTIAL EARNING [EL]	10	*****
TOTAL MARKS FOR THE COURSE	50	50

4.2.4 ASSESSMENT OF MOOC COURSES
*   The candidate obtaining "F" grade in MOOC course have to re-register for the course in NPTEL / SWAYAM platform only. The failed course must be cleared / passed in ONLINE mode only.
*   The candidate is permitted to change the MOOC course in his second attempt. The respective BoS may propose an alternative course with same credits and complexity out of bunch of courses with the approval from the Office of Dean Academics.
*   The candidate must register and complete the course in ONLINE MODE ONLY.

4.2 B.   Semester End Examination (SEE)

The scheme of SEE is given in Table below.

Table 18: SEE scheme

RUBRICS for SEE **Theory courses**		
Q.NO	**Contents**	**Marks**
Each unit consists of TWO questions of 20 Marks of each. Answer FIVE full questions selecting ONE from each unit [unit 1 to 5]		
1 & 2	Unit 1:Question 1 or 2	20
3 & 4	Unit 2:Question 3 or 4	20
5 & 6	Unit 3:Question 5 or 6	20
7 & 8	Unit 4:Question 7 or 8	20
9 & 10	Unit 5:Question 9 or 10	20
	Total Marks	**100**

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RUBRICS for SEE Integrated Theory courses with Laboratory - MTech			
Q.NO	**Contents**	**Marks**
Each unit consists of TWO questions of 20 Marks of each. Answer FIVE full questions selecting ONE from each unit [unit 1 to 5]		
1 & 2	Unit 1: Question 1 or 2	16
3 & 4	Unit 2: Question 3 or 4	16
5 & 6	Unit 3: Question 5 or 6	16
7 & 8	Unit 4: Question 7 or 8	16
9 & 10	Unit 5: Question 9 or 10	16
11	Lab Component: Question 11	20
	Total Marks	**100**

RUBRICS for SEE Integrated Theory courses with Laboratory - MCA			
Q.NO	**Contents**	**Marks**
Each unit consists of TWO questions of 20 Marks of each. Answer FIVE full questions selecting ONE from each unit [unit 1 to 5]		
1 & 2	Unit 1: Question 1 or 2	20
3 & 4	Unit 2: Question 3 or 4	20
5 & 6	Unit 3: Question 5 or 6	20
7 & 8	Unit 4: Question 7 or 8	20
9 & 10	Unit 5: Question 9 or 10	20
	Total Theory paper Marks	**100**
	Laboratory Practical examination (Experiment conduction + Viva Voce)	**50**
	Total Marks	

In case of theory examination, the answer script will be evaluated by Internal course experts with 30% moderation from external examiners

(i)   If the difference between the marks awarded by the two evaluators is **less than 15%** of the maximum marks, the marks awarded by the moderator shall be considered for final grading.

(ii)   If the difference in marks between the two evaluators **is more than** 15%, the matter will be discussed among both the evaluators with CoE and come to a conclusion regarding final marks for grading.

In case of laboratory examination, evaluation will be done jointly by an internal and an external examiner. There is no provision for revaluation in case of practical exams.

Achievement testing will be done in two parts, consisting of CIE & SEE. **CIE and SEE will have equal(50:50) weightage in the Scheme of Evaluation.**

4.2 C. INTERNSHIP / INDUSTRIAL TRAINING

The M.Tech student shall undergo internship / industrial training for a duration of 6 weeks on full time basis after II semester final exams and before the commencement of III semester. The student must submit letters from the industry clearly specifying his / her name and the duration of the internship on the company letter head with authorized signature. Internship must be related to the field of specialization of the respective PG programme in which the student has enrolled.

4.2 D. MINOR & MAJOR PROJECT WORK

1) Before uploading the dissertation report of the major project, the guide shall ensure that the plagiarism check is done and obtain the certificate. The percentage of plagiarism must be < 20%. In case, the percentage of plagiarism is > 20% the guide shall reject the report and inform the candidate to make necessary corrections and resubmit the same.

2) The candidate shall submit a soft copy of the major project work in the form of a CD which should contain the entire work in both Word and PDF format. Guides after checking the report for completeness as per the format and content, shall upload the report along with the plagiarism report (<20%). The guide shall also choose and submit a panel of 3 external subject experts for evaluation of the dissertation in a sealed cover to CoE.

3) The guide and the examiners shall independently evaluate and submit the marks in the prescribed format to the controller of examination. The average of the marks awarded by the two examiners shall be the final evaluation marks for the thesis. (A)

4) If the thesis is rejected by the first external examiner the report shall be sent to a second examiner appointed by the panel. If the second examiner also does not approve the dissertation report, the candidate has to carry out the project work once again and shall submit the dissertation report within 8 weeks, in such cases of rejection the candidate shall redo the entire submission of dissertation in softcopy after plagiarism check.

5) The candidate may also choose another topic of dissertation under a new guide, if necessary, in such an event the dissertation report shall be submitted within 4 years from the date of admission to the program.

6) If the dissertation report is approved and evaluated by both the examiners and the candidate secures minimum passing marks in the evaluation the controller of examination shall inform both the examiners to conduct the viva-voce exam and to submit the viva-voce marks.

7) The internal examiner as per the direction of the CoE shall arrive at a convenient date to conduct the viva-voce examination of the candidate in consultation with the external examiner with information to the controller of

examination.

8) The weightage for the evaluation of the project and the performance at the viva-voce shall be as per the scheme specified in the syllabus book. The marks awarded jointly by the examiners (B) after the viva-voce examination shall be sent to controller of examination immediately in a sealed cover

9) The date of submission of dissertation report may be extended to a maximum of 4 academic years from the date of admission to the first semester M.Tech /MCA program

10) Final SEE assessment: SEE=(A+B)/2

11) Final Grading based on CIE+SEE

4.3 GRADING SYSTEM

Absolute Grading system on 10-point scale is followed in the evaluation of student's performance in a course.

a) **LETTER GRADES:** Letter grade is basically a qualitative measure (an alphabet/letter) giving the performance of a student, such as, **Outstanding** (**O**), **Excellent (A+)**, **Very Good (A)**, **Good (B+)**, **Above Average (B)**, **Average (C), Pass (P)** and **Fail (F)**, based on the score. This is arrived at after the student's performance in a course, which includes **both CIE and SEE**.

b) The range of marks for each letter grade shall be as given in the following Table 19.

Table 19: Grading system

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	Average	Pass	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

c) **GRADE POINTS:** Depending on the letter grades assigned, a student earns certain grade points. In the 10-point grading system, the grade points earned for different letter grades are given in **Table 19**.

d) Grade point averages SGPA and CGPA: The grade points earned for each course are used further for calculating semester grade point average (SGPA) and the cumulative grade point average (CGPA), both of which being important performance indices of the student.

(i) **SGPA** (Semester Grade Point Average) is the performance index of a student in a semester and is calculated as follows:

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$$SGPA = \frac{\left[\sum \begin{array}{l}(\text{Course Credits}) \times (\text{Grade Point/s})] \text{ for all the course registered by} \\ \text{the student, excluding transitional grades, in that semester.}\end{array}\right]}{\left[\sum \begin{array}{l}(\text{Course Credits}) \text{ for all the courses registered by the student} \\ \text{excluding transitional grades, in that semester.}\end{array}\right]}$$

(ii) **CGPA** (Cumulative Grade Point Average) is the performance index of a student of all the previous semesters and is calculated as follows:

$$CGPA = \frac{\left[\sum \begin{array}{l}(\text{Course Credits}) \times (\text{Grade Point/s}) \text{ for all the courses registered by the} \\ \text{students excluding F grades until that semester.}\end{array}\right]}{\left[\sum \begin{array}{l}(\text{Course Credits}) \text{ for all the courses registered by the student} \\ \text{excluding F grades, in that semester.}\end{array}\right]}$$

The SGPA and CGPA respectively facilitate the declaration of academic performance of a student at the end of the semester and the end of successive semesters respectively).

e) **Transitional Grades:** The transitional grades, such as '**I**', '**W**' and '**X**' shall be awarded to a student in the following cases. These shall be converted into one or the other of the letter grades (**O-F**) after student completes his/ her course requirements, including examinations.

Grade 'I': Awarded to a student having satisfactory attendance at classes and meeting the passing standard at CIE in a course, but remained absent from SEE for valid and convincing reasons acceptable to the college, like

   (i) Severe illness or accidents, which disable him/her from attending SEE.

   (ii) A calamity in the family at the time of SEE, which required the student to be away from the college. The candidate or the parents should inform the incident to the Chief Superintendent of Examination before the commencement of particular examination. The documents related to the incident shall be submitted to the Controller of Examinations within a week's time from the date of that particular examination or last day of that particular even/ odd semester examination, whichever is earlier.

   (iii) Any other exigency which the Grading Advisory Committee thinks requires consideration, like a student representing the institution / state / university / nation in university / state / national / international level events / competition. In such cases, the student is required to take prior permission from Head of the institution with relevant documents. The student should also submit the proof of having attended the event / competition immediately after returning, without which the transitional grade will not be considered. IF the student does not submit the relevant documents that support the claim of the candidate to abstain from the examination if not submitted within the prescribed period, such applications are liable to be rejected for I grade. The grading advisory committee's decision regarding the awarding of the I grade is final.

GRADE 'W': Awarded to a student having satisfactory attendance at classes but withdrawing from that course before the prescribed date in a semester under the advice of counselor and HoD, forwarded to the Dean Academics for approval.

GRADE 'X': Awarded to a student having attendance (> = 85%) and CIE rating (>= 90%) in a course, but SEE performance observed to be 'F', which could result in an overall F grade in the course.

f) **EARNING CREDIT:** A Student would be considered to have completed a course successfully and earned the credits, if he/she secures a letter grade other than NSAR, NSSR, NE I, W, X or F in that course. Grade F in any course implies failure in that course.

4.4 PASSING STANDARDS

a) The Standard of passing in each course is given in the following Table 20

Table 20:Passing Standards

	Cumulative Internal Evaluation (CIE)		Semester End Evaluation (SEE)		CIE & SEE (Aggregate)
Theory without Practice	= >50%		= > 40%		= > 50%
Theory with Practice	Theory	= >40%	Theory	= >40%	
	Practice	= >50%	Practice	= >50%	
	TOTAL	= >50%	TOTAL	= >50%	
Practice	= >50%		= >50%		

b) **There shall be no re-examination for any course in the credit system** to take care of such students as given below:
   (i) Who have absented themselves from attending CIE or SEE without any valid reason;
   (ii) Who have failed (Grade F) to meet the minimum passing standard prescribed for CIE and / or SEE;
   (iii) Who have been detained for shortage of attendance in any course work;
   (iv) Who have withdrawn (Grade W) from a course.

Such students shall be required to re-register for the course(s) and go through CIE and SEE again and obtain at least a minimum Grade E or better in each case. While such students shall have to re-register for the same course(s) if hard core, they can re-register for alternative course(s) from among the soft core or elective courses, as the case may be. The re-registration shall be possible only when the particular course is offered again either in a main (Odd/Even) or a supplementary semester.

c) **SUCCESSIVE FAILURES**

If a student fails (Grade F) / Absent to pass a course and does not earn the required credits prescribed for the course even after Five (5) attempts, the admission of the student to the program will be terminated and the student will be informed to leave the institution. However, such a student may seek readmission to the program at the

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college as a fresh candidate to the first year, but not exceeding 4 years from the date of First admission.

d) Ability Enhancement (MOOC) courses are not counted for the vertical progression, however the students have to study and pass these courses before completion of the program.

e) FAST TRACK SEMESTER

* *For M.Tech* - A student can register for maximum of **THREE COURSES** (not more than two courses with lab component) in the fast track semester. The total credits put together should not exceed 15 credits.
* *For MCA* - A student can register for a maximum of **FOUR COURSES** (not more than two courses with lab component) in the fast track semester. The total credits put together should not exceed 20 credits.
* Courses with Transitional Grade Viz "W", "I" and "X" are also eligible to register in fast track semester (refer 4.3 for definition of these grades).
* All courses may not be offered in the fast track semester. It is the discretion of the institution to offer the courses based on the availability of resources. The institute shall notify time table for fast track semester well in advance.
* Fast track semester is optional, and it is for the student to make best use of the opportunity. Fasttrack semester is a special semester and the student cannot demand it as a matter of right.
* All the students must mandatorily register for fast track semester and compulsorily attend the fast track classes, for all the courses registered and re-earn the CIE

When to offer fast track semester: A student of PG program will have opportunity to register for fast track semester which is offered after II semester for courses from I to II semester and after IV semester for courses from III to IV semester. For registering to fast track semester, the student should complete the Internship/s as notified in the university Regulations/ directions. The students opting for fast track semester between II and III semester must comply with the missed internship requirement in the subsequent semester in the gap between III and IV semester.

f) MAKE-UP EXAMINATION

Make-up examination facility is available to those students who have missed SEE in one or more course in a semester and has been declared with sufficient justification as' **I**' grade. Students having '**X**' grade shall also be eligible to take advantage of this facility. The make-up examination would be held as per dates notified by the Controller of Examinations normally 10 days after the announcement of the results. In all these cases, the standard of the Make-up Examination shall be the same as that of the regular SEE for the Courses. There shall be no Make-Up examination for Fast track semester.

In case where the student fails to take make-up examination, the actual grade obtained in the regular examination will be considered as the final grade in the course (i.e '**F**' grade in case of '**X**' grade and '**AB**' in case of '**I**' grade). *No make-up examination will be applicable for Online MOOC Courses.*

4.6 SCHEDULE OF EXAMINATIONS

The Controller of Examinations will announce the schedule for the SEE, Makeup and Fast Track examinations. Examinations in an academic year conducted in the following order:

1. SEE at the end of odd semester
2. Make-up examination after odd semester as per 4.4(c)
3. SEE at the end of even semester
4. Make-up examination after even semester
5. Fast Track Semester at the end of even semester SEE as per 4.4(c)

4.7 VERTICAL PROGRESSION (PROMOTION TO NEXT ACADEMIC YEAR)

(a)   A student cannot have more than **FOUR** backlog courses **(for M.Tech)** and **FOUR** backlog courses **(for MCA)** as not passed (F, AB, NSSR, NSAR and W) at the end of each academic year for promotion to the next higher academic year. Such students who do not satisfy this minimum requirement in an academic year shall improve by registering for the courses in which they have failed (Grade F) / Declared NSAR /Declared NSSR / withdrawn (Grade W) during summer semester under the guidance of Dean (Academic) of the institution. The Dean (Academic) may constitute an advisory committee for such registrations.

(b)   If a student fails to satisfy the minimum requirements, stated in 4.7(a), even after the summer semester examinations, he/she cannot register for the next higher academic year. However, such students can register for the failed courses to a **maximum of THREE courses, for MTech and FOUR courses for MCA, (maximum of two courses with laboratory)** (odd semester courses during the regular odd semester and even semester courses during the regular even semester or during the summer semester, if offered) to secure a grade greater than D and thus satisfy the minimum requirement for promotion to the next higher academic year. All the requirements specified in 3.3 will apply to these students.

(c)   Odd semester to even semester mobility does not depend upon the preceding odd semester examination results.

4.8 PAPER VIEWING PROCESS (PVP) applicable to all SEE except LAB examinations.

Paper Viewing Process (PVP) has been implemented for both UG and PG programs. After the provisional results are announced, the candidate can view his/her SEE answer scripts. The candidate shall register for PVP and during PVP he/she can give his/her grievance in writing in the prescribed format. Then the answer scripts evaluated once again based on the grievance of the student by an expert committee. Paper viewing process is final and this eliminates issue of Photostat copying of answer scripts, re-valuation and challenge valuation.

PVP INVOLVES THE FOLLOWING STEPS
STEP – I: REGISTRATION FOR PVP
The registration dates will be announced by the CoE office once the provisional results have been announced. For each course/s for which the student wishes to verify the answer script, the student needs to register for the course in the prescribed format.

STEP – II: SCHEDULE FOR PVP
The schedule to view the answer scripts will be announced and the student should be present personally to view the answer scripts. During this time, the student will be

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provided with a grievance form along with the evaluated answer script with marks awarded, scheme of valuation and solution. The students should provide the specific grievance question wise and only those grievances will be addressed.

- For audit courses no SEE exams.
- Condition for dropping: Only after 4 years

STEP – III: VALUATION BY EXPERT TEAM

The grievance forms will be verified and each answer script applied for PVP will be evaluated by an expert team and if any change in the marks awarded is found, then better of the marks shall be considered for final grading. No negative evaluation in PVP.

4.9 MALPRACTICE

A student who is booked under malpractice will be prevented from writing that particular examination from the instant he/she is booked for malpractice (**Possession of manuscripts/printed material related or not related to the concerned course of exam; Possession and /or use of mobile phones or any other electronic gadgets, revealing identity in the answer scripts, destroying evidence of malpractice, impersonation, misbehavior, misconduct or any other malpractice related to examination**). The candidate shall be required to appear before the malpractice investigating committee. The day, date and time will be specified by the Chief Superintendent / Controller of Examination. If found guilty, depending on the severity of the case, the committee will impose an appropriate punishment as per the Examination Regulations and Guidelines. In such cases, the said course will be awarded with a credit of '0' (Zero) with the grade 'MP' for the calculation of SGPA.

4.10 REJECTION OF RESULTS

A student is permitted to reject the results of an entire semester (including CIE) only once during the program duration. The student, who desires to reject the performance, shall reject performance in all the courses of the semester, irrespective of whether he/she has passed or failed in the courses. Such a student is allowed to take re-admission for the relevant semester. Such a student will have to represent to the Principal in writing with the concurrence of the parent. Rejection of the result is not permitted to the students who have grade 'MP' in the respective semester until the compliance of penalty and punishment is cleared.

4.11 GRADE CARDS

Each student will be issued a grade card at the end of odd and even semester as well as fast track examinations. This will have a list of all the courses registered by the student for the examination together with their credits, the letter grades and grade points awarded. Only those courses registered for credit and having grade points shall be included in the computation of the student's performance like SGPA and CGPA and the audit courses will not form part of this computation. The result of mandatory courses, which are of the noncredit type, will also be reflected in the grade card with appropriate letter grades. It may be noted that each student shall have to obtain at least **grade** C **or higher** (pass grade) **in each mandatory course to qualify for the award of degree by the university**.

4.12 PERCENTAGE EQUIVALENCE OF GRADE POINTS (ON 10 POINT SCALE)

The Equivalence of CGPA with the percentage of marks to be considered for equivalence in the conventional system for students coming from VTU colleges to autonomous

colleges is as follows:

Conversion of CGPA in to percentage of marks and class equivalence, there is no formula for the conversion of CGPA into the percentage of marks. However, the following table may be referred for the conversion of the CGPA on 10-point scale into the percentage of marks for employment / higher studies, etc.

Percentage = CGPA x 10

Example: 8.54 (CGPA)*10 = 85.4%

Recommendations for Degree Award:
a) Eligibility for Passing and Award of Degree:
- A student who obtains any grade O to C shall be considered as passed and if a student secures F grade in any of the head of passing, he/she has to reappear in that head for the SEE.
- 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.

b) Each autonomous institution shall forward its recommendations to the university in respect of students qualifying for UG/PG/ Research degree awards based on their success in the examinations / adjudication of theses as the case may be after receiving approval from the authorities / Bodies of the college concerned.

c) The university reserves the right to withdraw a degree even though it has been granted, should there be discovery that the work upon which it was based or the academic records in support of it had been falsified. In such a case the degree will be withdrawn promptly upon discovery of the falsification.

d) Online courses: to be done in online mode only. For F grade he /she can take any courses from bunch of the courses permitted by BoS.

4.13 GRADUATION CEREMONY

(a) The college will have its own annual Graduation ceremony for the award of Provisional Degrees to students completing the prescribed academic requirements in each course of study, in consultation with the University, as per the provisions in the Statutes.

(b) Prizes, Medals and Ranks to the meritorious graduating students will also be issued during the graduation ceremony.

(c) Award of Class at Degree Level

Master Degree in Technology for MTech and Master of Computer Applications for MCA shall be awarded to the candidates who have passed all the stipulated courses from 1st to 4th semesters. Declaration of the class for the degree shall be based on the performance of the candidate from 1st to 4th Semester taken together for students.

1. A candidate will be declared to have obtained **First Class with Distinction**

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(FCD) if the student has passed in all courses from 1 to 4th sem. and secured CGPA greater than or equal to **7.0 CGPA**.

2. A candidate who has passed in all the courses of 1st to 4th semesters securing **CGPA greater than or equal to 6 CGPA, but less than 7 CGPA s**hall be declared to be eligible for the award of M.Tech / MCA Degree **in First Class (FC)**.

3. A Candidate who has passed in all the courses of 1st to 4th semesters securing **CGPA greater than or equal to 5 CGPA, but less than 6 CGPA s**hall be declared to be eligible for the award of shall be declared to be eligible for the award of M.Tech/MCA degree in **Second Class (SC).**

4.13A. AWARD OF RANKS

1. **M.Tech** - Maximum of THREE ranks will be awarded in each M.Tech program provided the minimum number of students eligible to appear for the fourth semester SEE is FIVE. The rank shall be declared only for full time students who have passed all courses of every semester in the first attempt and on the basis of CGPA obtained.

2. **MCA** - TEN Ranks shall be awarded in the MCA program or 10% of the students appeared for examinations whichever less is. The rank shall be declared only for students based on aggregate CGPA obtained from 1st to 4th Semester in first attempt only.

3. Student appearing for Makeup / Summer Semester and any subsequent examinations in any credit or audit course/courses during the program shall not be eligible for the award of ranks. The candidates who do not submit the dissertation report within the stipulated period are not eligible for consideration of rank.

4. Only students who complete the program in two consecutive years for M.Tech/MCA (regular students), are eligible for consideration for the award of ranks.

5. For the award of rank, CGPA shall be calculated from 1st to 4th semester

6. The basis for declaring the rank shall be the CGPA in the descending order of merit from the highest CGPA.

7. CGPA shall be calculated to the second decimal position.

8. Students with CGPA of >=6 (Equivalent to First Class) or above are ONLY eligible for consideration for rank.

9. If two students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA, if it is not resolved even at this stage, the number of times student has obtained higher grades sequentially from 'O' to 'C' till the tie is resolved. If the tie is still unresolved, the students with similar CGPA will be awarded the same rank.

4.13B. Provision to move to Integrated Ph.D program

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(a) The candidates pursuing M.Tech. Degree at the University and who have successfully completed the prescribed common coursework of the first three semesters of study with a minimum CGPA of 7.75 out of 10 or 70 % aggregate marks and published research papers in 'SCOPUS/SCI/WoS Indexed Journals /UGC-CARE Approved Journals' or obtained/filed patents shall be eligible for up-gradation to the Ph.D. Program, subject to approval by the Admissions Committee.

(b) Integrated Ph.D. program is a fulltime program.

5.0 VALUE ADDED COURSES & SERVICES

The institution will conduct proficiency courses from time to time depending on industry and skill requirements. A schedule of such courses shall be announced well in advance. Such courses shall be mandatory or otherwise depending on the importance of such courses. Separate certificates shall be awarded for such courses.

5.1 Finishing School

1. A student after getting placed may be required to undergo special training as prescribed by the employers as per the calendar of events that shall be announced from time to time.
2. A student who is not placed but wants to enhance his skills for employability can also opt for finishing school.
3. The curricula, fees (if any) and the courses of finishing school shall be announced by the Department of Placement and Training from time to time.

5.2 Professional Societies

Every student is advised to become a member of at least one of the Professional Societies which are active in the institution. They are required to actively participate in the Professional Society activities which will enhance their overall skills, organizational capabilities and leadership qualities apart from opportunity to network with experts from industries and R&D organizations.

1. IEEE Student Branch with Three societies
   ➢ IEEE Communication Society
   ➢ IEEE Power & Energy Society
   ➢ IEEE Computer Society
2. International Society of Automation (ISA)
3. Computer Society of India (CSI)
4. Information Systems Audit and Control Association (ISACA)
5. Indian Institute of Chemical Engineers
6. Indian Concrete Institute (ICI)
7. American Society for Civil Engineers (ASCE)
8. Indian Institution of Industrial Engineers

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9. Fluid Power Society of India (FPSI)
10. Indian Society for Heating, Refrigeration and Air Conditioning Engineers(ISHRAE)
11. Indian Society for Technical Education (ISTE)

5.3 Scholarship Facility

RV College of Engineering facilitates the scholarship to all eligible candidates under Government, corporate, NGO and Alumni scholarships schemes. Around 2000 students are benefited by the scholarship schemes to the tune of ₹ 5 crores.

Below are the various Government agencies, corporate & NGOs offering scholarships to our students.

Table 21: Scholarship Facility

Sl No	Government scholarships
01	SC/ST Scholarship
02	SC/ST Fee Concession (Free ship)
03	KEA 2010 Subsidy scholarships
04	MHRD (PU Board) (DBT)
05	Jharkhand State Tribal Co-Op Development Corp
06	BCM (OBC) Scholarship
07	Bihar / Samastipur OBC Scholarship
08	Karnataka Minorities Development Corp., Loan
09	K K Education / Alhaj Attar / Mamoor Welfare Trust
10	Dept Of Sainik Welfare For Ex Service Children
11	BBMP Mahanagara Palike/ Town / City Municipal
12	Merit Scholarship DTE Assam Gauwhati
13	N H F D C Faridabad
14	Merit Scholarship DTE Karnataka
15	Merit –Cum- Means (DBT)
16	Karnataka Employees Welfare Association
17	Nalanda / Samastipur Jilla Kalyan scholarship
	Corporate Scholarships
18	ABB JDF Foundation
19	Cognizant Foundation
20	Mercedez Benz Scholarship
21	Boeing
22	Kennametal Scholarship
23	Intel Scholarships
24	M/s Meritor- CVS India (P) Ltd
25	Sitram Jindal Scholarship
26	NTT Data Inc Scholarship

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	NGO Scholarships	
27	Arunodaya Scholarship for TE & ECE Students(Means)	
28	Sarthaka Trust	
29	Foundation for Excellence	
30	Raghuvendra Singh Foundation	
	Alumni Scholarships	
31	Alumni Association of RVCE	
32	Alumni 1979 Batch of E&C	

Students can contact placement@rvce.edu.in for the further details and applications (Corporate Scholarship), Veda Murthy, Scholarship section for Government scholarship

5.4   LIBRARY & INFORMATION CENTRE:

5.4.1   NETWORKING & DIGITAL LIBRARY SERVICES:

The library is a consortia member of VTU for e-Resources, through which we are receiving the following e-Journal/ e-Books: IEEE Conference Proceedings, Springer Nature e-Journals / e-Books, Elsevier Science (Engg + CSE), e-Journals / e-Books, Taylor and Francis e-Journals/e-Books, ProQuest (Architecture and all Engineering and its Allied Branches Database), Emerald e- Journals/e-Books, Packt e- Books, Mc Graw Hill e-Books, New age e- Books. Technology Platform: MAP System, Net Analytics', Drillbit Plagiarism Software.

These e- Journals can be accessed within the Campus through the link provided in the library page of website https://rvce.edu.in//lib-journals and at home MAP Cloud-hosted remote access. IEEE Journals, Pearson e-Books, Wiley e-Books are Institutional subscribed resources, these can be accessed anywhere by using RVCE user ID and Password.

Library is also a member of DELNET and is also making use of the interlibrary loan facility provided by DELNET, for borrowing non-availability of books, manuscripts, and journal papers in the library, and sending required library books to DELNET on request.

Web OPAC: The availability of books in the main library and to check number of books borrowed by the reader can be accessed through any internet browser with the link http://112.133.207.137/opac. This can be accessed from college as well as home.

Online access: IP enabled online access facilities for e-books and journals have been provided for students and faculties throughout the campus and at home. Website https://rvce.edu.in//lib-journals.

Sl No	Journal Publisher	URL	No. of Journals
1	Elsevier - Science Direct (Engineering + Computer Science)	www.sciencedirect.com	296

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2	Taylor & Francis (Engineering + Architecture)	https://www.tandfonline.com	555
3	Springer Nature (ME, CV, CS, EC and allied branches)	https://link.springer.com	690
4	IEEE Conference	https://ieeexplore.ieee.org	100
5	IEEE Journals(Institutional Subscription)	https://ieeexplore.ieee.org	190
6	Emerald (Management) Journals	https://www.emeraldinsight.com	120
7	Emerald (Management) Case Studies	https://www.emeraldinsight.com	1000
8	ProQuest (Architecture and all Engineering and its Allied Branches)	https://www.proquest.com	4492
Sl No	**e-Books Publisher**	**URL**	**No. of e-Books**
1	Packt (Professional)	https://prod.packtpub.com/in	5002
2	Taylor & Francis (Engineering and allied branches)	https://www.tandfonline.com	4950
3	McGraw Hill Express (Subscription model for four year)	http://mcgrawhilleducation.	505
4	Elsevier SD (Engineering)	https://www.sciencedirect.com	436
5	Emerald (Management)	https://www.emeraldinsight.com	436
6	New age International	https://digital.elib4u.com/	220
7	MINT e-Books	https://mintbook.com	3469
8	Pearson e-Books	https://elibrary.in.pearson.com	446
9	Wiley e-Books	https://ebooks.wileyindia.com	213
Technology Platform			
1	NetAnalytiks Platform	https://sententia.online	
2	Drillbit (Plagiarism Software Online Tool)	https://www.drillbitplagiarismcheck.com	
3	MAP Systems (Remote Access)	https://rvcoe.mapmyaccess.com	

5.4.2 CENTRAL LIBRARY:

Total number of Titles: 60588
Total number of Volumes: 185500

5.4.3 POLICY FOR ISSUE OF BOOKS AND OTHER LIBRARY RESOURCES:

· Each user is provided with a Smart identity Card, Students should keep their Smart identity card safely, so that no one else misuses it. In case loss of identity card, a duplicate will be issued only on payment of Rs.1000/-.
· Four books are issued for undergraduates and five for postgraduate students.
· Two additional Books are issued for SC/ST students.
· Students are permitted to borrow CDs/ DVDs along with books.
· Reference books are to be read within the library premises.
· Books are issued for a period of two weeks, with one renewal for next two weeks.
· For late return of books, late fee of Rs.1.00 per day is collected.

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· Reservation policy is provided.
· In case of a student is leaving the institution on long leave, completed course he/she should obtain a **"No due Clearance"** from the library by returning all the documents borrowed and paying other dues, If any.

5.4.4 WORKING HOURS OF LIBRARY

Monday to Friday: 09.00 am to 09.00 pm
Saturday: 09.00 am to 04:30 pm
Sunday: 09:00 am to 01.30 pm

5.4.5 DIGITAL LIBRARY FACILITY

The internet and e- resources accessibility is available at digital library, is open to all students from 9 am to 4.30 pm. The students are required to follow the instructions displayed at the library and digital library strictly in order to avoid withdrawal of these facilities for such students who violate any of the Rules.
Email ID: library@rvce.edu.in

5.5 PLACEMENT & TRAINING

About placement and Training Department:

• The Department presently coordinates with more than 300 leading organizations which recruit Engineers/Technocrats.
• The RVCE has all the required facilities for the conduction of the recruitment process such as seminar hall for company presentations, rooms for group discussion, conferencing and interviews.
• The Department is a nodal agency for providing inputs on career opportunities for higher studies.
• The Department also engages with the corporates to offer scholarship to students on merit cum means basis. The scholarship to the tune of   Rs.0.70 Crores is instituted with approximately 130 beneficiaries.
• It provides platform for the students to interact with company executives in the form of HR conclave, Industry collaborate workshops, guest lectures by top corporate and top University faculty like MIT etc.
• Industry sponsored best student award, best teacher award, star award etc., is organized by Placement Department
• The Training Program which is being offered at the institutional level and being facilitated by the Department of Training & Placement and is aimed at orienting the students with life skills.

Table 22: Placement Performance

M.Tech program

Particulars	2018-2019	2019-2020	2020-2021	2021-2022	2022-23*
No of offers	164	183	194	226	93
Average salary	9.93	6.95	7.66	7.99	9.5
Highest salary	20.00	15.00	21.96	29.50	37.33

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MCA program

Particulars	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023*
No of offers	124	147	114	253	112
Average salary	4.5	6.5	6.00	7.50	8.32
Highest salary	12.5	28	24	20	16.20

*2022-23 Still in Progress

5.6 Transportation Facility (Annexure-1)

5.7 Hostel Facility

(a) There are four BOYS Hostels in the campus catering to over 1200 inmates.
(b) **There is one ladies hostel inside campus and another located near the college**.
(c) All the hostels in the campus are equipped with modern kitchen equipment and solar heating facility.
(d) Hostels are provided with Internet& common TV Room, Indoor Games facilities.
(e) Boarders are part and parcel of the hostel blocks and mess Administration
(f) **Boarders who excel in academics are given awards.**
(g) **Boarders are encouraged to take part in NSS, NCC, Rotaract, Raag and Sports activities.**

BOYS HOSTELS

Table 23:Boys Hostel

Warden	Prof. P. Nagaraju Associate Professor Dept. of Electronics and Telecommunication Engineering (O): 080 6818 8219 (M): 9916911720
Deputy Warden	Dr. A.H. Manjunatha Reddy Associate Professor Dept. of Biotechnology (O): 080 6818 8160 (M): 984457369
Resident Warden	Mr. Mohan Kumar (O): 080 6818 8257 (M): 9481219296

Name of the Hostel	Accommodation Details	No. of Rooms	Total Capacity	Contact No. of Block Supervisor
Sir M. Visveswaraya (Single occupancy)	Final Year UG & PG Students	254	254	Mr. Puttaswamy H. 9449335861
Chamundi (Double occupancy)	First year UG Students	123	250	Mr. Puttaswamy H. 9449335861

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Cauvery (Double occupancy)	2nd and 3rd Year UG and PG Students	352	704	Mr. Lokesh H.B. 8123450795 Mr. Jagadeesha R. 8105884373
Krishna (Double occupancy)	First year UG Students	74	148	Mr. Dhilip Kumar N. 9886748997
Krishna Annex (Double occupancy)	First year UG Students	30	60	Mr. Mallesh M. 9901905979

GIRLS HOSTELS
Table 24:Girls Hostel

Warden	**Dr. Padmaja K V** Professor Electronics & Instrumentation Engineering (O):080-68188166 (M): 9845016646
Deputy Warden	**Dr. Sudha Kamath** Head of the Department, Physics (O): 080-68182080, 080-68188232 (M): 9480404395

IMPORTANT NOTE

GIRLS HOSTELS				
Name of the Hostel	Used by	No. of Rooms	Total Capacity	Contact No. of In-House Warden
Krishna Garden Hostel (Off Campus) (Double Sharing)	UG & PG Students	66	132	Ms. Chandrakala 9880223540
RVCE Girls DJ Hostel (On Campus) (Triple Sharing)	UG Students	**95**	**295**	Caretaker; Mrs. Dhanamma 8553425655

In case of violation of College / Hostel norms & rules and regulations, a student may be prevented from continuing in that semester and / or appearing for the semester examination depending on the outcome of the Disciplinary Action Committee report. Ignorance of any rule does not condone any misbehavior.

6.0. EXTRA CURRICULAR ACTIVITIES
All cultural activities in the college are conducted under the umbrella of CAT (Cultural Activity Team). The CAT has the following wing of student clubs of different types of cultural activities.

6.1 CULTURAL ACTIVITY TEAMS

(A) FOOTPRINTS (DANCE CLUB)
Footprints is a cultural dance organization from RVCE. It is a community of dancers with versatile dance culture and background. The team is mainly comprised of 3

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divisions: The Western association: Enigma, The Eastern association: Dhritarang, The Classical association.

Figure 1FOOTPRINTS (DANCE CLUB)

(B) ALAAP (MUSIC CLUB)

Alaap is the music club of RVCE. With about 60 musicians who are well versed with different genres. play quite a few genres like Carnatic classical, Hindustani classical, western classical, jazz, pop, rock and some metal.

Figure 2 ALAAP (MUSIC CLUB)

(C) CARV (CIRCLE OF ACTING AT RV)

Circle of Acting in RV, CARV promotes talent in dramatics and has been actively organizing events in the college such as Street Acts, Stage Competitions as well as put up various stage shows in Bangalore . They are divided into three strands on the basis of language ,

   a) CARV English
   b) CARV Hindi
   c) CARV Kannada

Figure 3 - CARV(CIRCLE OF ACTING AT RV)

(D) RAAG (YOUTH CLUB OF RVCE)

The Youth Club of RVCE conducts various programs inculcating social awareness among students. It also conducts programs for skill development and literature.

(E) ROTARACT

Rotaract Club of R.V. College of Engineering is an institution based club in R.I. District -3190, sponsored by Rotary Bangalore South. The club takes pride in having a record of an annual 1000+ registrations every year and thus being the biggest Rotaract club in South East Asia and one of the largest in the world.

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Figure 4 ROTARACT

(F) QUIZ CORP
RVQC has evolved into one of the best known clubs in national quizzing circuits. Being one of the few quiz clubs in the country run entirely by students, we have created and nurtured many quizzers and quizmasters who are highly respected across the country.

(G) EVOKE (FASHION CLUB OF RVCE)
This is the fashion club of RVCE. They organize ramp walks and participate in many college fests in and outside of Bengaluru. They also perform for many fashion companies such as Pantaloons etc.

(H) DEBSOC
RVCE Debating Society is a high achieving society that participates in and organizes

Parliamentary Debating Tournaments. Since its inception in 2003, RVCE Debating Society has been a society that has focused on excellence and inclusion. They train our juniors in the activity of Parliamentary Debating, providing them a worldview in several aspects beyond their academic skills. Through this society and the training, it provides, members significantly develop their public speaking skills and confidence. They diversify their viewpoints and move towards developing as individuals. As a society they have

Figure 5 DEBSOC achieved several notable feats on a national and international level.

(I) PHOTOGRAPHY CLUB
This club plays a major role in capturing all of the college events, fests etc. They promote photography skills throughout the college and help organize various events.

(J) SATTVA (THE ART CLUB): A club to promote fine arts and crafts.

(K) KANNADA SANGHA: It provides an opportunity to non-Karnataka students to get an exposure to Karnataka's heritage and language, through Kannada programs.

6.2 INNOVATIVE TEAMS

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Table 25: Innovative Teams

Sl. No.	INNOTIVE TEAMS
1	ASHWA RACING
2	TEAM VYOMA
3	TEAM CHIMERA
4	TEAM GARUDA
5	TEAM HELIOS
6	SOLAR CAR TEAM
7	PROJECT JATAYU
8	TEAM ASTRA
9	TEAM KRUSHI
10	TEAM ANTARIKSH
11	FREQUENCY CLUB
12	TEAM HYDRA
13	ENTREPRENEURSHIP DEVELOPMENT CELL
14	CODING CLUB

6.3 NATIONAL CADET CORP

Figure 6 NCC

"**Unity and Discipline**" is the motto for NCC. In living up to its motto, NCC-RVCE strives to be the best force that is helping the youth to be groomed into dynamic and nation loving individuals. Time and again our cadets have proved the same by their participation in national level camps, winning medals and bringing laurels to Karnataka and Goa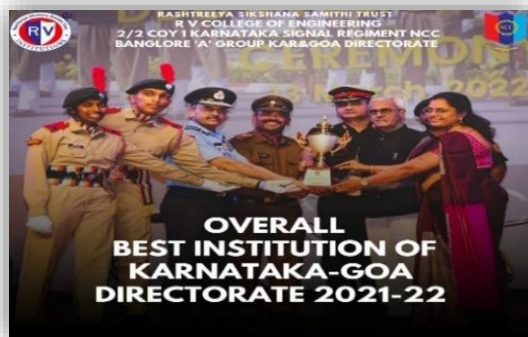 directorate and to the col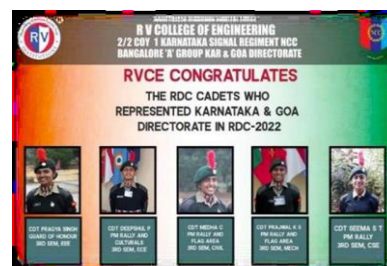lege. For all these achievements, our college was recognized as "Best NCC Institution Runners – 2017" "Best NCC Institution Winners – 2018" and "Overall Best NCC Institution – 2019, 2021-22" of Karnataka and Goa Directorate.

A total of 14 cadets have attended the prestigious Republic Day camp so far, 5 of the same during 2022. 5 have made it to the Thal Sainik camp and there stand numerous others, who have made NCC RVCE and the directorate proud by attending the Youth exchange programme and other major camps like advanced mountaineering, advanced leadership camps.

We also hold a significant record in the number of our cadets who have joined the armed forces to serve the nation.

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Achievement and activities

Figure 7 : NCC

5 Cadets represented NCC RVCE at Republic Day Parade 2022 as a part of the Karnataka & Goa directorate contingent. They took part in many events such as All India Guard of Honour, Flag Area Competition and Cultural. CJUO Krithika D joined the armed forces through NCC Special Entry Scheme and is undergoing training at OTA ,Chennai.

SUO Madhan joined the armed forces through IMA CDS 151 entry and is undergoing training at IMA, Dehradun. Hasiru, the tree plantation drive by NCC RVCE, was launched on 12th June 2021 with the aim of planting at least 385 trees, in the honour of Padma Shri awardee Saalumarada Thimmakka.

Under the guidance of our principal, Dr. K N Subramanya, Senior Manager of Estate and Facilities RVCE, Retired Major Raghavendra C and Capt. Dr.

Figure 8: NCC

Mahendra Kumar, ANO of NCC RVCE, and other faculty of RVCE, around 1500 people were successfully vaccinated in one day. As many as 3 similar and exclusively free vaccination drives were organised by NCC RVCE to aid people belonging to all sectors of society during the outbreak of the covid-19 pandemic. Cadets from NCC RVCE have chosen a diverse array of careers like defence services, civil services and are all doing immensely great in their choices.

6.4 NATIONAL SERVICE SCHEME

The National Service Scheme is a public service program under the Union Ministry of Youth Affairs and Sports. The Motto of NSS, "Not Me But You", reflects the essence of democratic living and upholds the need for self-less service. NSS helps the students develop appreciation to other person's point of view and also show consideration to other living beings.

NSS RVCE is very active and organises number of events every year. More than 200 volunteers are enrolled under NSS and provide their constant support day in and day out.

The Utsarga Marathon is a flagship event organized by NSS RVCE every year to spread the awareness of physical fitness and our social responsibility to all the participants and also the spectators of the run. The funds collected are channelled for under privileged children education, women empowerment activities and child welfare programs. As a part of the contribution towards rural upliftment, NSS RVCE organizes village visit programs. Volunteers get a chance to interact and empathize underprivileged people. Appropriate projects to transfer technology to these areas are taken up. Also, volunteers take part in numerous activities like government school rejuvenation, plantation drives and awareness drives.

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Achievements of NSS RVCE:

❖ Received a Letter of Appreciation from the Bruhat Bengaluru Mahanagara Palike (BBMP) for collecting a total of 600 Kg of recyclable waste in and around RVCE for the event Plog Run 2022– A waste collection drive aimed to collect recyclable waste materials.

❖ Received a Letter of Appreciation from Campus to Community for School Bell event for working towards rejuvenation of Government Schools in Karnataka. Highest number of participants for teaching underprivileged and school dropout students during COVID 19 lockdown in Karnataka is from NSS-RVCE.

❖ Plantation Drive - planted over 250 saplings near the Sondekoppa Lake, Bengaluru was broadcasted in DD-Chandana and also published in the newspaper.

Photos:

Figure 9 PLOG Run 2022

Figure 10 RVCE NSS Team 2021-22

Figure 11 Azadi ka Amrut Mahotsav – Sakaala awareness - 2021

Figure 12 Utsarg Marathon - 2020

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7 DISCIPLINARY MEASURES

7.1 GENERAL DISCIPLINE

a)   The students will not assist or even associate himself / herself in any activities which disturbs or is likely to disturb the peace and smooth working of the institution.

b)   The tuition fee shall be paid by the student before or at the time of admission / registration in every academic year.

c)   The student shall follow all the rules and regulations laid down by the college authorities/management from time to time.

d)   Students will have to maintain regular attendance. In case of attendance less than 75% the student will not be allowed for the ensuing CIE tests. Cumulatively he should have over 85% attendance as mentioned earlier, to be eligible for the semester end exams. In case of any absence, they should have to provide appropriate proof (medical certificate /letter from parent etc.) and information, within three days of the absence to the department, the teacher concerned and the counselor.

e)   In case of planning to participate in any curricular (including paper presentation/competition), co-curricular and extra-curricular activities, prior permission has to be sought through proper channel. Further immediately within three days, on return from the event, should also provide the necessary proof to the counselor, the department, and the teacher concerned. Otherwise, they will not be considered for any attendance benefit and the certificate will not be considered for credits for the paper on Innovation and Social Skills.

RECOVERY OF LEGAL CHARGES AS APPLICABLE

The institution shall recover legal expenses incurred towards representing/defending such petition/suit before any court of law by making the Institution a party for their personal benefit (eg. Name change etc) and the parents /students shall abide by such reasonable condition and pay such amount which would be on actual.

7.2 ANTI-RAGGING RULES

a)   As per the orders of the Supreme Court, Govt. of India, UGC, AICTE, Govt. of Karnataka, VTU, "Ragging" is a Criminal Offence leading lo Non-Bailable Imprisonment. Students should not indulge in ragging or support ragging directly or indirectly in whatsoever manner. Severe action will be initiated against those indulging in ragging or supporting ragging.

b)   Ragging means causing, inducing, compelling or forcing a student, whether by way of a practical joke or otherwise, to do any act which detracts from human dignity or violates his/her person or exposes him/her to ridicule or to forbear from doing any lawful act, by intimidating, wrong fully confining or injuring him or by using criminal force on him / her or by holding out to him / her any threat of such intimidation, wrongful restraint, wrongful confinement, injury or the use of criminal force.

c)   Ragging Menace is a criminal offence and such of the students who involve in ragging will

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be rusticated from the college. Further, their University degree and conduct certificates will be embossed in BOLD letters with a statement that they indulged in ragging.

d)   Students indulging and/or encouraging ragging will not be eligible for placement services, hostel facility, air concession, railway concession, scholarships, passport/visa clearance etc.

e)   Photographs of students who have been involved in ragging shall be published in the notice board and also published in local newspapers.

f)   Enquiry committee's decision regarding the punishment is final.

g)   The offence of ragging is not only punishable under Section 116 of the Karnataka Education Act, 1983, but also under various provisions envisaged in Sections 109, 110, 111, 112, 113, 114, 115, 116,302,305,306, 339, 340, 341. 342, 343, 344, 346, 347, 354, 359, 368,448,451 and 506 of the Indian Penal Code (IPC).

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7.3 DRESS CODE

a) Dress code is defined based on the need for safety, security, functionality and comfort.

b) Students are required to wear decent outfits.

  i. Girls are expected to wear Chudidars / Salwars and Kameez with sleeves. Jeans with decent tops with sleeves are allowed. No tight fitting clothing is permitted.

 ii. Boys are expected to wear shirts and trousers. No tight fitting clothing is permitted.

iii. Displaying offensive and obscene slogans and icons on clothing is prohibited.

c) Uniforms for Labs is white coats and for workshops steel grey uniform.

d) Students who do not adhere to the dress code are liable to be rusticated from the institution.

7.4 MOBILE PHONE

e) The **possession & use** of Mobile Phones by the students in the academic areas inside the campus is banned. However, for the convenience of the students the mobile lockers have been provided in every department. **The parents/ guardians are advised not to call to the students on the mobile phones from 9.00 AM to 5.00 PM. In case of emergency, please contact respective HoD or Counselor.**

f) If a student is found conversing on mobile or in possession of a mobile phone in any of the academic areas, the mobile will be confiscated and fine of Rs.5000/- will be levied for violating the rule.

7.4 SECURITY ISSUES

g) Wearing of identity card in such a way that it is clearly visible, is a must inside the campus for security reasons. Entry in to the campus without valid Identity card is strictly prohibited. The faculty and the security personnel have the authority to check the ID cards

h) Motorcyclists must remove their helmets before entering the College campus.

i) College Security Staff have the right to ask individuals to identify themselves. Action shall be initiated against those persons who refuse to identify themselves.

j) The students are advised to park their vehicle in the designated parking areas.

7.5 SUPPORT SERVICES

k)   Photocopying Facilities

l)   Banking Facilities with ATM

m)   Post Office

n)   Stationery Stores

o)   Food Court (Two)

p)   Health Centre

q)   Pharmacy

r)   Meditation Centre

KEY EXECUTIVES

SL No.	Designation	Name	E-Mail ID	Contact No.
1.	Principal	Dr. Subramanya K N	principal@rvce.edu.in	080-6818 8111
2.	Dean Academics	Dr. Shanmukha Nagaraj	dean.academics@rvce.edu.in	080-6818 8127
3.	Dean Student Affairs	Dr. Uma B V	dean.studentaffairs@rvce.edu.in	080-6818 8128
4.	Controller of Examination	Dr. G. Sadashivappa	coe@rvce.edu.in	080-6818 8116
5.	Facility Manager	Maj. Raghavendra C (Retd.)	seniormanager@rvce.edu.in	080-6818 8101
6.	Dean Placements & Training	Dr. Ranganath D	placement@rvce.edu.in	080-6818 8269
7.	Dean, Research & Development	Dr. H Narashima Murthy	dean.rnd@rvce.edu.in	080-6818 8144
8.	Dean (PG & Research) for Circuit Programs	Dr. Rajashree Shettar	dean.circuit@rvce.edu.in	080-6818 8203
9.	Dean (PG & Research) for Non-Circuit Programs	Dr. Renuka Devi M V	dean.noncircuit@rvce.edu.in	080-6818 8190
10.	Warden, RVCE Boys Hostel	Prof. P. Nagaraju	rvce.bh@rvce.edu.in	080-6818 8219
11.	Deputy Warden, RVCE Boys Hostel	Dr. Manjunatha Reddy	rvce.bh@rvce.edu.in	080-6818 8268
12.	Warden, RVCE Girls Hostel	Dr. K.V.Padmaja	warden.rvgh@rvce.edu.in	080-6818 8165
13.	Deputy Warden, RVCE Girls Hostel	Dr. Sudha Kamath M K	warden.rvgh@rvce.edu.in	080-6818 8232
14.	Campus Doctor	Dr. Sudharshan B.G.	rvcehealthcentre@rvce.edu.in	080-6818 8102
15.	Librarian	Dr. T.R.Sridevi	librarian@rvce.edu.in	080-6818 8236

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1	AEROSPACE ENGINEERING	hod.ae@rvce.edu.in	080 - 6818 8240
2	BIOTECHNOLOGY	hod.bt@rvce.edu.in	080 - 6818 8159
3	CHEMICAL ENGINEERING	hod.ch@rvce.edu.in	080 - 6818 8223
4	CIVIL ENGINEERING	hod_civil@rvce.edu.in	080 - 6818 8185
5	COMPUTER SCIENCE AND ENGINEERING	hod.cse@rvce.edu.in	080 - 6818 8199
6	ELECTRONICS & COMMUNICATION ENGINEERING	hod.ec@rvce.edu.in	080 - 6818 8178
7	ELECTRICAL & ELECTRONICS ENGINEERING	hod.ee@rvce.edu.in	080 - 6818 8192
8	ELECTRONICS AND INSTRUMENTATION	hod.it@rvce.edu.in	080 - 6818 8164
9	ELECTRONCS & TELECOMMUNICATION ENGINEERING	hod.tc@rvce.edu.in	080 - 6818 8213
10	INDUSTRIAL MANAGEMENT ENGINEERING	hod.im@rvce.edu.in	080 - 6818 8150
11	INFORMATION SCIENCE & ENGINEERING	hodise@rvce.edu.in	080 - 6818 8247
12	MECHANICAL ENGINEERING	hod.me@rvce.edu.in	080 - 6818 8143
13	DEPARTMENT OF CHEMISTRY	hod.chemistry@rvce.edu.in	080 - 6818 8228
14	DEPARTMENT OF MATHEMATICS	hod.maths@rvce.edu.in	080 - 6818 8263
15	DEPARTMENT OF PHYSICS	hod.physics@rvce.edu.in	080 - 6818 8232
16	DIRECTOR, MASTER OF COMPUTER APPLICATIONS	director-mca@rvce.edu.in	080 - 6818 8171

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2	CIVIL ENGINEERING	adean.cv@rvce.edu.in	080 - 6818 8379
3	COMPUTER SCIENCE AND ENGINEERING	assoc_deancse@rvce.edu.in	080 - 6818 8204
4	ELECTRONICS & COMMUNICATION ENGINEERING	adean.ec@rvce.edu.in	080 - 6818 8367
5	ELECTRICAL & ELECTRONICS ENGINEERING	adean.ee@rvce.edu.in	080 - 6818 8394
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7	INFORMATION SCIENCE & ENGINEERING	adean.is@rvce.edu.in	080 - 6818 8250
8	MECHANICAL ENGINEERING	adean.me@rvce.edu.in	080 - 6818 8147
9	MASTER OF COMPUTER APPLICATIONS	adean.mca@rvce.edu.in	080 - 6818 8176