Go, change the world

RV COLLEGE OF ENGINEERING®

(An Autonomous Institution Affiliated to VTU, Belagavi)
Approved by AICTE, New Delhi, Accredited By NBA, New Delhi
R.V. Vidyaniketan Post, 8th Mile, Mysuru Road, Bengaluru - 560 059.

HAND BOOK OF GENERAL INFORMATION

Academic Rules, Regulations and Guidelines for the Students of

Postgraduate Programs
of
2018 SCHEME – M.Tech
&
2020 SCHEME – MCA

(WITH EFFECT FROM 2021 - 22)

RV COLLEGE OF ENGINEERING®

Estd: 1963

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(An Autonomous Institution Affiliated to VTU, Belagavi)
R.V. Vidyaniketan Post,8th Mile, Mysuru Road, Bengaluru - 560 059.

One of the most preferred Technical Institutions in Karnataka

PROGRAMS OFFERED

2020 Ranked 70th in Engineering Category

Accredited by NBA

B.E., Programs : AI, AS, BT, CH, CS, CV, EC, EE, EI, ET, IM, IS, ME.
M.Tech (15) MCA, M.Sc. (Engg.)

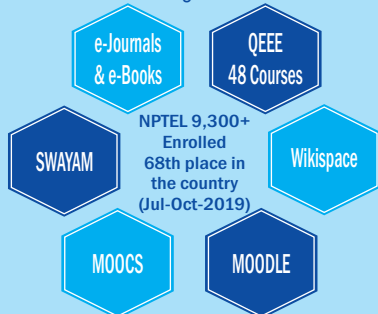**Ph.D. Programs** : All Departments are recognized as Research Centres by VTU Except AI & AS

Five RVCE Alumni cleared Civil Services Exam in 2020-21

Ranked in top 10 Pvt. College in the country by various magazines

Ranked 3rd in Sports & Cultural Activities under VTU (2019-20)

Use of ICT in Teaching Learning Process

- e-Journals & e-Books
- QEEE 48 Courses
- SWAYAM
- NPTEL 9,300+ Enrolled 68th place in the country (Jul-Oct-2019)
- Wikispace
- MOOCS
- MOODLE

Conference Publications 1325

Journal Publications 1020

Patents Filed 55

Patents Published 49

Patents Granted 07

Holistic development of students through NCC, NSS cultural activities, Community services & Sports.

16 Centres of Excellences

MoUs:90+with Industries / Academic Institutions in India & abroad

Executed more than Rs. 40 crores worth sponsored research projects & consultancy works since 3 years

UPSC Results (2020) : RVCE - Alumni

Name : Yatish R
Rank : 115
Branch: EEE
Batch : 2013

Name : Shrinivas MP
Rank : 235
Branch: IT
Batch : 2010

Name : Raghavendra N
Rank : 555
Branch: ECE
Batch :

Human Resource

- Faculty with Industrial experience 47
- Visiting Adjunct Faculty 06
- Total Number of Faculty 353
- Faculty with Ph.D. Qualification 225
- Faculty Pursuing Ph.D. 99
- Technical & Admin Staff 214

RVCE - Greaves Cotton Ltd Centre of excellence om e-mobility

RV-Mercedes Benz Centre for Automotive Merchatronics

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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.	BoS	Board of Studies
5.	**CIE**	Continuous Internal Evaluation
6.	**Commission**	University Grants Commission
7.	**Council**	All India Council for Technical Education
8.	**CGPA**	Cumulative Grade Point Average
9.	**GAC**	Grading Advisory Committee
10.	**MHRD**	Ministry of Human Resources Development
11.	**NSAR**	Not Satisfied Attendance Requirement
12.	**NSSR**	Not Satisfied Sessional Requirement (did not get the Minimum CIE requirement to appear for SEE)
13.	**SEE**	Semester End Examination
14.	**SGPA**	Semester Grade Point Average
15.	**University**	Visvesvaraya Technological University (VTU)
16.	**UG**	Undergraduate Program
17.	**PG**	Postgraduate Program
18.	**MCA**	Master of Computer Applications
19.	**MPD**	M.Tech in Product Design & Manufacturing
20.	**MDC**	M.Tech in Digital Communication
21.	**MCE**	M.Tech in Computer Science & Engineering
22.	**MCM**	M.Tech in Computer Integrated Manufacturing
23.	**MVE**	M.Tech in VLSI Design & Embedded Systems
24.	**MCN**	M.Tech in Computer Network Engineering
25.	**MMD**	M.Tech in Machine Design
26.	**MCS**	M.Tech in Communication Systems
27.	**MPE**	M.Tech in Power Electronics
28.	**MST**	M.Tech in Structural Engineering
29.	**MSE**	M.Tech in Software Engineering
30.	**MIT**	M.Tech in Information Technology
31.	**MHT**	M.Tech in Highway Technology
32.	**MBT**	M.Tech in Biotechnology
33.	**MRM**	M.Tech. in Radio Frequency & Microwave

CONTENTS

1.0   PROFILE OF THE INSTITUTION

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. 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 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, we are 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 13 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"*.
Recent awards and achievements include - Ranked 77th in the Country by National Institutional Ranking Framework (NIRF: 200-21), QS-IGUAGE - DIAMOND University Rating (2021-2024), EduFuture Excellence Award -Best Private Engineering University (South) by Zee Digital, "Best Private Engineering Colleges" - Ranked 13th in the Country & 2nd in Karnataka by IIRF Engineering Ranking-2021, "Engineering College of the Year-2020" by the Higher Education Review Magazine, Ranked 34th in the country by The Week Magazine-2020, Ranked 6th among the top 10 of 100 Pvt. Engg. Colleges in the Country by Education World Magazine-May21. Eleven UG programs and eligible M.Tech & MCA programs have been accredited by NBA multiple times.
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.

Inter-Disciplinary Research:

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 50 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 1500 National and International Journal publications, filed over 50 patents, 45 published patents, 5 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 Excellence in the campus.

Centres of Excellence

1.	Centre for Automotive Mechatronics
2.	BOSCH REXROTH – RVCE Centre of Competence in Automation
3.	Centre of Excellence in Macroelectronics
4.	CISCO-RVCE Centre of Excellence in Internet of Things
5.	Centre of Excellence in Computational Genomics
6.	Centre of Excellence in Smart Antenna Systems & Measurements (SASM)
7.	Centre of Excellence for e-Mobility
8.	Center for Quantum Research
9.	Center for CCTV Research
10.	Centre for Education & Digital Learning Research (CEDLR)
11.	Centre for Hydrogen and Green Technology Research
12.	Wipro-IISC Research & Innovation Network Consortium (WIRIN)
13.	Samsung R&D Institute India (SRI-B) PRISM Program
14.	Centre for Smart City Technologies
15.	Centre for Logistics and Supply Chain Management
16.	Centre for Visual Computing

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 being 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 students under Suryamitra scheme –Sponsored by AICTE Bosch Rexroth Automation Technologies Labs, Tata Ready Engineer's program. AICTE and state sponsored on computer hardware and software and Suryamitra – solar maintenance.

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 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 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 Rs10-11 Lakhs per annum.

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 vehicle, 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. The institution also has 24 professional societies.

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 course 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.

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.

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 no. 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.

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, 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. 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.

1.3 ACADEMIC PROGRAMS OFFERED:

(A)   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

(B) 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 Computer Integrated Manufacturing	2005	MCM
6.	M.Tech in VLSI Design & Embedded Systems	2005	MVE
7.	M.Tech in Computer Network Engineering	2005	MCN
8.	M.Tech in Machine Design	2006	MMD
9.	M.Tech in Communication Systems	2006	MCS
10.	M.Tech in Power Electronics	2006	MPE
11.	M.Tech in Structural Engineering	2006	MST
12.	M.Tech in Software Engineering	2006	MSE
13.	M.Tech in Information Technology	2007	MIT
14.	M. Tech in Highway Technology	2009	MHT
15.	M. Tech in Biotechnology	2011	MBT
16.	M.Tech. in Radio Frequency and Microwave Engineering	2013	MRM

(C) RESEARCH CENTERS:

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

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:

The institution has a provision to start Diploma (UG and PG) programs under autonomous scheme. 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.

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

OR

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)

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

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 Computer Integrated Manufacturing	MCM
6.	M.Tech in VLSI Design & Embedded Systems	MVE
7.	M.Tech in Computer Network Engineering	MCN
8.	M.Tech in Machine Design	MMD
9.	M.Tech in Communication Systems	MCS
10.	M.Tech in Power Electronics	MPE
11.	M.Tech in Structural Engineering	MST
12.	M.Tech in Software Engineering	MSE
13.	M.Tech in Information Technology	MIT
14.	M.Tech in Highway Technology	MHT
15.	M.Tech in Biotechnology	MBT
16.	M.Tech. in RF & Microwave	MRM

3.0 ACADEMIC PLANNING

3.1 ACADEMIC PLAN FOR PG PROGRAMS

a) The curriculum is designed as per OBE and shall include General Engineering courses, Core Professional Engineering, Professional Electives and Project works.

b) The percentage distribution / coverage of courses is as per the guidelines given by VTU / UGC / AICTE and Ministry of HRD, New Delhi.

c) Board of Studies (**BoS**) of each department are responsible for planning of Scheme and Syllabus of the respective programs. The structure of the scheme and common courses are reviewed in the Joint BoS.

d) Finalized scheme and syllabus are presented to the Academic Council for final approval

e) There shall be an equal emphasis on theory, practical / laboratory and workshops.

f) PG students are exposed to research through assignments, projects and experiential learning.

g) Additions and deletions of any particular course have to be recommended by respective BoS and approved by the Academic Council of the Institution. Such additions and deletions will be prospective.

h) Minor project and major projects are part of the curricula.

i) Internship / Industrial Training / Field Work are part of the curricula.

3.1.1 CALENDAR OF EVENTS:

Calendar of events will be published in the college website(www.rvce.edu.in)

College Timings:

Monday to Friday	:	**09:00 AM to 04:45 PM**
Saturday	:	**09:00 AM to 01:45 PM**

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

3.2 SEMESTER REGISTRATION / DROPPING/ WITHDRAWAL

a) **Every student has to register in person** at the beginning of every semester as per the notification issued by the institution from time to time. **Such of the 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, RVCE, in advance, indicating the reason for the delay** in registering.

c) A student may be barred from registering for a semester for specific reasons like disciplinary reasons, non-payment of fees etc.

d) **Withdrawal from Courses**: A student may opt to withdraw from a course on or before the date specified in the calendar of events. Such student who wants to utilize this facility has to submit an application through the HoD to Dean (Academics) & Dean (PG Studies), in consultation with the counselor and HoD of the respective department. Such candidate should have fulfilled the attendance requirement for the course(s) subject to maintaining the minimum requirement of 16 (Sixteen) credits for the semester.

The withdrawn course(s) are recorded in the Grade Card as 'W' grade. **Such withdrawn courses can be registered either during a summer semester or during a fresh even or odd semester but cannot be registered during student's regular semester. THE WITHDRAWAL FACILITIES ARE AVAILABLE ONLY FOR REGULAR SEMESTER(S) AND NOT FOR SUMMER SEMESTER.**

e) **Dropping of Courses**: A student can drop a course under the guidance of the counselor 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)** & Dean (PG Studies) / Director MCA through the Counselor, Associate Dean and HoD, 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. The dropped courses are not recorded in the Grade Card. **SUCH DROPPED COURSES CAN BE REGISTERED ONLY AFTER THE COMPLETION OF MINIMUM DURATION OF THE PROGRAM.**

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 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 college authorities. 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) The basis for the calculation of the attendance shall be the period prescribed by the Institution through its calendar of events and not the date of registration to the semester.

c) The students will be informed about the attendance position periodically by the college notifying the status on the notice board before each CIE and during the multiple counseling sessions. **Student declared as NSAR is not eligible to take up SEE in that particular course.**

d) If a student does not fulfill the minimum attendance requirements in a course, the student is not

permitted to attend the Semester End Examination in that particular course.

e) **Temporary Break of Study from the Program:**

1. A candidate is normally not permitted to break the study. However, if a candidate intends to temporarily discontinue the program for valid reasons (such as accident or hospitalization due to prolonged ill health) and wants to rejoin the program later in respective semester of the subsequent academic year, he / she shall apply 15 days before the commencement of the semester to the Principal through the Head of the Department stating the reasons. Such temporary discontinuation and subsequent readmission are subject to the approval from the University. Even in such cases the maximum duration of study prescribed by the University will be applicable – refer Sec. (2.3 / 2.6)

2. 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 who do not have any outstanding dues / demand at the college / University level including tuition fees, any other fees library materials etc.

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

4. 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 2.3 / 2.6. The maximum period includes the break period.

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

3.4 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 below

Breakup 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/Industrial Training/ Field Work during Summer Break (for M.Tech Programs)	Students need to take up summer internship/ practical training / industrial training/ field work for a minimum period of 08 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/ W grades):** Registration of courses- Three days Course work – Six 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.

3.5   CREDIT SYSTEM

The **Choice Based Credit System** (CBCS) is followed for all the PG Programs of the college
a. Theory courses, conducted for 1 hour/week during a semester shall be considered for earning one credit.
b. Laboratory courses or tutorials, conducted for 2 hours/week during a semester shall be consideredas one credit.
Note: The above figure shall be multiplied by a factor of 2 in the case of Summer Semester.

3.6   CREDIT STRUCTURE

Based on the above, distribution of credits is shown in the Table below

Lecture (hrs/wk/sem)	Tutorials (hrs/wk/sem)	Lab. Work (hrs/wk/sem)	Credits (L:T:P)*	Credits (Total)
4	0	0	4:0:0	4
3	2	0	3:1:0	4
3	2	2	3:1:1	5
0	0	10	0:0:5	5
0	0	4	0:0:2	2
4	2	0	4:1:0	5
4	0	2	4:0:1	5

3.7

3.8 CREDITS REQUIREMENT FOR PG PROGRAMS

The total number of credits required to be earned by students to qualify for PG Degree programs are given in the Table below –

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	TWO (2) years or FOUR semesters	**88**
MCA Degree	TWO (2) years or FOUR semesters	**100**

Credit Distribution for M.Tech Programs

	Credit distribution for M.Tech Program		
Sl.No	**Category**	**Credit Percentage(%)**	**Credits Assigned 2018scheme**
1	HSS	0	Audit Course
2	Basic Science	4-5%	4
3	Professional Core	31%	27
4	Professional Electives	22 -23%	20
5	Other Electives (Global)	3-4%	3
6	Technical Seminar	2-3%	2
7	Internship	5-6%	5
8	Project Work	30-31%	27
Total Credits		**100**	**88**

Credit Distribution for MCA Program

	Credit distribution for MCA Program		
Sl.No.	**Category**	**Credit Percentage (%)**	**Credits Assigned 2020 scheme**
1	HSS	2%	2
2	Basic Science	5%	5
3	Professional Core	39%	39
4	Professional Electives	28%	28
5	Technical Seminar	2%	2
6	Project Work/Internship	24%	24
Total Credits		**100**	**100**

4.0   EVALUATION SYSTEM

4.1   Achievement Testing

Achievement 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, compute-support collaborative learning, mobile assisted learning, 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.

4.1.1 Continuous Internal Evaluation (CIE)

CIE will be conducted by the course teacher all through the semester. The evaluation process has three parts, consisting of quiz and descriptive / analytical type assessment spread throughout the semester, tests, weekly/fortnightly, assignments, problem solving, group discussions and seminars depending on the course. The tests have to be written in the official booklet. Evaluation and marks obtained after each test, will be shown to the students. After ascertaining that he/she has obtained the marks as per student's performance, the student shall affix his/her signature in the book after each test.

4.1.2 Scheme of Continuous Internal Evaluation of Theory Courses

CIE is executed by way of quizzes (Q), tests (T) and Assignments (A). A minimum of two quizzes are conducted and each quiz is evaluated for 10 marks adding up to 20 marks. Faculty may adopt innovative methods for conducting quizzes effectively. The three tests are conducted for 50 marks each and the sum of the marks scored from three tests is reduced to 50 marks. The marks component for each assignment is 15 marks. A minimum of two assignments are given with a combination of two components among 1) solving innovative problems 2) seminar/new developments in the related course 3) Laboratory/field work 4) Minor project.

Total CIE is 20+50+30=100 Marks.

One compensatory test / quiz may be given to such students, who **have missed the quiz or test or both** for genuine reason and have taken **prior permission** from the concerned course faculty, counselor and Head of the Department in writing.

4.1.3 Scheme of Continuous Internal Evaluation of Courses with Laboratory:
         Total marks: 100+50=150

Theory – 100 Marks

CIE is executed by way of quizzes (Q), Tests (T) and Assignments (A). A minimum of two quizzes are conducted and each quiz is evaluated for 10 marks adding up to 20 marks. Faculty may adopt innovative methods for conducting quizzes effectively. The three tests are conducted for 50 marks each and the sum

of the marks scored from three tests is reduced to 50 marks. The marks component for each assignment is 15 marks. A minimum of two assignments are given with a combination of two components among 1) solving innovative problems 2) seminar/new developments in the related course 3) Laboratory/field work 4) Minor Project. Total CIE for theory is 20+50+30=100 Marks. One compensatory test / quiz may be given to such students, who **have missed the quiz or test or both** for genuine reason and have taken **prior permission** from the concerned course faculty, counselor and Head of the Department in writing.

Laboratory- 50 Marks

The Laboratory session is held every week as per the time table and the performance of the student is evaluated in every session. The average of marks over number of weeks is considered for 40 marks. At the end of the semester a test is conducted for 10 marks. Total marks for the laboratory are 50.

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 a confirmation of their verification of the marks. In case any student fails to verify and affix the signature the allotted marks will be assumed to be accepted by the student. 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 each semester.

a) Semester End Examination (SEE)

The scheme of SEE is given in Table below.

SEMESTER END EVALUATION (SEE)				
Theory		**Laboratory**		**Total**
The question paper will be for 100 marks and shall consist of TEN questions from FIVE units with 20 marks each. Out of the TEN questions, students have to answer FIVE questions selecting ONE full question from each unit.	**100**	Experiment Conduction with proper results	**40**	**150**
		Viva voce	**10**	
Total	**100**	**Total**	**50**	

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.**

b) INTERNSHIP / INDUSTRIAL TRAINING (MTech)

The MTech student shall undergo internship / industrial training for a minimum period of 6 weeks. The student shall make a midterm presentation after 3 weeks of internship / industrial training to a panel comprising guide, one senior faculty and the head of the department. A viva-voce will be conducted at the end of 6 weeks by the internal internship guide and one external examiner, preferably from the industry where the student has carried out the internship / industrial training. The student has to prepare a

mid-term report and a final report after 6 weeks. Both the evaluation will carry equal weightage and the assessment will be as per the rubrics specified for internship / industrial training.

c) TECHNICAL SEMINAR / PROFESSIONAL SKILL DEVELOPMENT

All the students have to make two presentations during the course of the semester on the topic chosen from the relevant field. The internal assessment marks for the seminar shall be awarded by a panel comprising of a subject expert in the department, senior faculty and head of the department. The assessment will be as per the rubrics specified for seminar, technical seminar and professional skill development.

d) 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

4.2 GRADING SYSTEM

ABSOLUTE GRADING SYSTEM ON 10 POINT SCALE IS FOLLOWED IN THE EVALUATION OF STUDENT'S PERFORMANCE IN A COURSE.

a)   Letter grade is basically a qualitative measure (an alphabet/letter) giving the performance of a student, such as, **Outstanding (S)**, **Excellent (A)**, **Good (B)**, **Above Average (C)**, **Average (D),** 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**. The range of marks for each letter grade shall be as given in the following Grading system Table.

b)   Depending on the letter grades assigned, a student earns certain grade points. In the 10-point grading system, that is followed, the grade points earned for different letter grades are given in the table.

GRADING SYSTEM

Level	Out standing	Excellent	Good	Above Average	Average	Fail
Score (Marks) Range %	> = 90	> =80 <90	> =70 < 80	> = 60 < 70	> = 50 < 60	< 50
Grade	S	A	B	C	D	F
Grade Points	10	9	8	7	6	0

c)   **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:

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

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

$$CGPA = \frac{[\sum (\text{Course Credits}) \times (\text{Grade Point/s})] \text{ for all the courses registered by the student excluding F \& Transitional grades until that semester.}}{[\sum (\text{Course Credits})] \text{ for all the courses registered by the student excluding those with F \& Transitional grades until that semester.}}$$

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.)

d)   **Transitional Grades:** The transitional grades, such as '**I**', '**W**' and '**X**' shall be awarded to a student in the following cases.

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 with in 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 a consideration, like a student representing the institution / state / university / nation in university / state / national / international level events / competition. In such case, 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 supports claim of the candidate to abstain from the examination within the prescribed period, such applications are liable to rejected for I grade. The grading advisory committee's decision regarding the awarding 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 faculty advice.

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.

e) **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.

4.3   PASSING STANDARDS FOR PG PROGRAM

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

PASSING STANDARDS

	Cumulative Internal Evaluation (CIE)		Semester End Evaluation (SEE)		CIE & SEE
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)   A regular student admitted to PG program shall complete the course within 4 years, from the date of admission.

c) **Summer Semester:** The summer semester is provided to facilitate or as a recourse to such students who have absented themselves from attending CIE or SEE without valid reasons;

<div align="center">OR</div>

who have been unsuccessful in attaining the minimum passing standards for SEE (Grade F);

<div align="center">OR</div>

who have been detained for want of Sessional marks (CIE < 50%) and declared NSSR;

<div align="center">OR</div>

who have been detained for want of attendance (NSAR)

<div align="center">OR</div>

who have withdrawn from a course (Grade W).

♦ Such students shall be required to re-register for the course(s) and go through CIE and SEE again and obtain a grade equal to or better than D in each case. The re-registration shall be possible when the particular course is offered again either in a Summer Semester or Main (odd/even semester for year back students only) semester.
♦ Course load will be specified for Fast track semester, for smooth operation of the program. For this purpose, students are requested to contact Dean (Academics), HoD, Director (MCA), Dean (PG Studies) and Associate Deans of their respective program for any assistance and clarification.
♦ Students, who have applied for Revaluation or Makeup, can also register for fast track semester; however, if they clear the courses in revaluation or makeup, the registration amount for fast track semester will be refunded.
♦ *For MTech -* A student can register for a 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 18 credits.

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

d)   Make-Up Examination:
A make-up examination facility would be available to students who may have missed to attend the SEE of one or more course in a semester for valid reasons (4.2d) and given' **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 Examination. There shall be no Make-Up examination for summer 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). In case of courses involving laboratory component, the **student should attend both theory and laboratory exams** during the make-up examinations.

4.4   SCHEDULE OF EXAMINATIONS

The Controller of Examinations will announce the Time Table for the SEE, Makeup and Summer Semester. Various examinations in an academic year conducted in the order are:
1.   SEE at the end of odd semester
2.   Make-up examination after odd semester to students as per 4.3(d)

3.   SEE at the end of even semester

4.   Make-up examination after even semester to students as per 4.3(d)

5.   Summer Semester at the end of even semester SEE

4.5   VERTICAL PROGRESSION (PROMOTION TO NEXT ACADEMIC YEAR)

(a)   A student cannot have more than **TWO** backlog courses **(for MTech)** and **THREE** backlog courses **(for MCA)** as not passed (F, AB, NSSR, NSAR, NE 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 4.5(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.

4.6   PAPER VIEWING PROCESS (PVP)

Paper Viewing Process (PVP) has been implemented from the academic year 2019-20 onwards for both UG and PG programs. After the provisional results are announced, the candidate can view his answer scripts for any discrepancy found. 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 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 provided with a grievance form along with the answer script with marks awarded & scheme and solution. The students should provide the specific grievance question wise and only those grievances will be addressed.

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 grade awarded is found, then better of the grades shall be considered for final grading.

4.7 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; Possession and /or use of mobile phones or any other electronic gadgets, revealing identity, destroying evidence, impersonation, misbehavior, misconduct or any other malpractice related to examination**). The candidate shall be required to appear before the malpractice investigating committee for enquiry. 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 published from time to time. In such cases, the said course will be awarded with a credit of **'0'**(Zero) with grade NE, for the calculation of SGPA.

4.8 REJECTION OF RESULTS

A student is permitted to reject the results of an entire semester (including CIE) only once during the program duration. The candidate, 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 candidate 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. If a student is found guilty of malpractice in a semester, he / she cannot reject the result of that semester. Rejection of result is not permitted to the students who have grade "NE" in the respective semester until the compliance of penalty and punishment is cleared.

4.9 GRADE CARDS

Each student will be issued a grade card at the end of odd and even semester as well as after the summer semester 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.

4.10 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 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** if the student has passed in all courses from 1 to 4th sem. and secured not less than **7.75 CGPA**.
2. A candidate who has passed in all the courses of 1st to 4th semesters securing not less than **CGPA 6.75 but less than CGPA 7.75** shall be declared to be eligible for the award of M.Tech / MCA Degree **in First Class**.
3. A Candidate who has passed in all the courses of 1st to 4th semesters securing a minimum **CGPA of 6.00 but less than 6.75** shall be declared to be eligible for the award of M.Tech/MCA degree in **Second Class.**

(d) 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.
   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.

2. 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.

3. 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.

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

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

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

7. Students with CGPA of $>=6.75$(Equivalent to First Class) or above are ONLY eligible for consideration for rank.

8. 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 S to D till the tie is resolved. If the tie is still unresolved, the students with similar CGPA will be awarded the samerank.

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 totime.

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
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 5.3 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
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:**

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 Link, Elsevier Science (Engg + CSE), e-Journals and e-Books, Taylor and Francis e-Journals, ProQuest (Architecture and all Engineering and its Allied Branches) and e-Books, Emerald e- Journals, Packt e- Books, Mc Graw Hill e-Books, New age e- Books, Cambridge University Press e Books, **Technology Platform:** Knimbus, Remote Access Solution, Net Analytiks, Turnitin Anti-Plagiarism Software.

These e- Journals can be accessed within the Campus through Weblink provided in library page of website https://rvce.edu.in//lib-journals and at home through Knimbus Platform or Knimbus app M-Lib. Skill Soft e - Books, IEEE Journals, HBR Ascend Online Material are Institutional subscribed resources, these can be accessed anywhere by using RVCE user IDand Password.

Library is also member of DELNET and is also making use of inter library loan facility provided by the DELNET, for borrowing non availability of books, manuscripts and journal papers in the library.

Web OPAC: The availability of books in 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.

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.
1. Elsevier - Science Direct (Engineering + Computer Science)- www.sciencedirect.com : No. of Journals:296.
2. Taylor & Francis (Engineering + Architecture) https://www.tandfonline.com: No. of Journals : 536.
3. Springer Nature (ME, CV, CS, EC and allied branches) https://link.springer.com : No. of Journals : 690.
4. IEEE Conference: 125
5. Emerald (Management) https://www.emeraldinsight.com : No. of Journals : 120.
6. Packt (Professional) https://prod.packtpub.com/in : No. of e-Books : 5000
7. Taylor & Francis (Engineering and allied branches) https://www.tandfonline.com :No. of e-Books : 4950
8. McGraw Hill Express (Subscription model for four year) http://mcgrawhilleducation.pdn.ipublishcentral.com :No. of e-Books :505.
9. Elsevier SD (Engineering): https://www.sciencedirect.com :No. of e-Books :436.

10. New Age International (Reference + text): http://www.newagepublishers.comservlet/nahome: :No. of e-Books : 220.
11. Knimbus (e-Library + Remote access + Mobile App) Technology Platform https://new.knimbus.com
12. NetAnalytiks Platform: https://sententia.online.
13. Turnitin (Plagiarism Software Online Tool):   https://www.turnitin.com
14. IEEE Electronic Library (IEL): https://ieeexplore.ieee.org/Xplore/home.jsp:No. of Journals :1990.
15. Harvard Business Review Ascent (HBR Ascend https://hbrascend.org).

5.4.2   CENTRAL LIBRARY:
Total number of Titles: 55808
Total number of Volumes: 172682

5.4.2 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, 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.
- 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.

5.4.3 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

5.4.4 DIGITAL LIBRARY FACILITY

The internet and e- resources accessibility is available at digital library, is open to all students from 9am to 4.30pm. 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

RVCE has consistently maintained an excellent placement record. The graduates and post - graduates of RVCE have been recruited by some of the world's leading corporates and leading Indian companies. Following activities have been conducted by Placement and Training Department

- Coordinates with more than 300 leading organizations which recruits Engineers/Technocrats for summer internship and full time job offers.
- Assist the students in the overall personality development with technical skills, interpersonal skills and positive attitude.
- Provides necessary Pre-Placement Training for the pre-final year students in the form of Pre-Placement talks arranged by various industries / corporate.

- Nodal agency for providing inputs on career opportunities for higher studies.
- In addition to the placement activities, the department involves in mentoring students for opportunities in entrepreneurship and internship
- Engages with the corporates to offer scholarship to students on merit cum means basis.

PLACEMENT PERFORMANCE:

Table: 5.5 Placement Performances

M.Tech program

Particulars	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022*
No of offers	179	164	172	165	160
Average salary	7.65	9.93	10.72	9.07	9.67
Highest salary	17.76	20.00	20.20	21.96	31.5

MCA program

Particulars	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022*
No of offers	53	124	147	114	222
Average salary	6.5	4.5	6.5	6.00	7.50
Highest salary	10	12.5	28	24	20

*still under 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 a 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

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

Name of the Hostel	Accommodated to	No. of Rooms	Total Capacity	Contact No. of Residential warden
Sir M. Visveswaraya (Single occupancy)	Final Year UG & PG Students	254	254	Mr. Mohan Kumar 9481219296
Chamundi	First year UG	123	250	Mr. Shiva Kumar

(Double occupancy)	Students			9480343742
New Cauvery (Double occupancy)	2nd and 3rd Year UG and PG Students	352	704	Mr. Sunil S 8792574177 Mr. Sachin KC 9901443385
Cauvery Annex (Double occupancy)	First year UG Students	30	90	Mr. Sachin KC 9901443385

GIRLS HOSTELS

Warden	Dr. Padmaja K V Professor & Associate Dean (PG) Electronics & Instrumentation Engineering (O):080-68188166 (M): 9845016646
Deputy Warden	Dr. Sudha Kamat Associate Professor Head of the Department, Physics (O): 080-8188232 (M): 9480404395

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

IMPORTANT NOTE

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 motto is to 'express through movement'. Everyone has a different personality with a common love for dancing which links us all together. The team mainly comprises of 3 divisions: The Western association: Enigma, The Eastern association: Dhritarang, The Classical association. The Western and Eastern associations compete in competitions

on national and inter collegiate level. Apart from this the whole team is responsible for organizing events at college level such as the flashmobs, and also indulges in performing at various events in the college. Flare – This is a flagship event conducted during 8th Mile.

(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. Project Mishram who are a pretty famous band right now, started in Alaap. They host events like Battle of Bands (Flagship event) and Voice of 8th mile (eastern and western) and Tarang (Instrumental competition in eastern and western). They have made achievements at NIT Trichy, IIT Madras, and IIMB.

The music club renders with all kinds of musical talent such as classical, folk, rock, pop etc. They have many student bands inside the club which has actively performed both in competitions as well as professionally.

(C) CARV (CIRCLE OF ACTING AT RV)

Circle of Acting in RV, CARV promotes talent in dramatics and has been actively organising events in the college such as Street Acts , Stage Competitions as well as put up various stage shows in bengaluru .They are divided into three starnds on the basis of language
a) CARV English
b) CARV Hindi
c) CARV Kanada

Carv is a platform for theatre lovers to explore themselves and their art forms!. They perform dramas, plays, mad-ads, street plays and mime to entertain people as well as to compete in various inter-college fests. They also host various flagship events in 8th mile including Hallabol- street play competition, Silent story-Mime event, Mad attack-Mad Ads event, Seriously funny-Standup event, Coliseum -intercollegiate centre stage theatre competition

They Regularly participate in street plays, theatre & solo competitions in various colleges. Qualified prelims for mega fests at IIT-B & IIT-KGP, won national level street play competition in BITS-GOA annual fest, IISC and

IIM-Bangalore. Also won many accolades in street plays and theatre, with a motive to promote social awareness on various causes with good content and creativity.

(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. The club has successfully completed over 1400 projects till date. It conducts a number of socio-cultural activities on and off the campus such as Blood Donation Camps, book and stationary distribution t the needy, social awareness programs etc.

(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. To promote quizzing culture in RVCE and for the sheer thrill of quizzing, the members of RVQC also organize quizzes every month on topics as varied as sports, music, movies and politics.

(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 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 National Cadet Corps (NCC)

NCC-RVCE is doing good work in moulding youth of RVCE into become good citizens of this nation. This is proved time and again by the participation of our cadets in national level camps, winning medals and bringing laurels to Karnataka and Goa directorate and to the college. For all these achievements, ourcollege was recognized as "Best NCC Institution Runners – 2017" "Best NCC Institution Winners – 2018" and "Overall Best NCC Institution – 2019" of Karnataka and Goa Directorate.

I am happy to share that so far 9 cadets have participated in Republic Day parade, 5 cadets have participated in All India Thal Shinik Camp and 2 cadets has participated in basic and advance mountaineering camp at Himalayan Mountaineering

Institute, Darjeeling and 5 cadets completed Youth exchange program (YEP) as a student ambassadors representing India at different countries like Russia, Srilanka, kazakistan and Vietnam.

NCC RVCE keeps on organizing talks from eminent officials in military and civil services. A few of previous talks organized at RV College in the recent years were by Lt. General PG Kamath (PVSM,AVSM,YSM,SM) on "Career opportunities for Engineers and Life experience in Defence", Brigadier Raj Bahadur Sharma, VSM on "National Security", Brig. A Arun SM, DDG HQ, Recruiting Zone, Bangalore on "Leadership Qualities", Air Commodore M M Ali, VVIP Pilot, Indian Air Force on "SSB Process". It helps the cadets and other students of college to get insight of Defence and Civil services. Motivational talks like these help them to introspect and make good decisions in life in terms of Career and also as a responsible citizen. NCC Cadets and other students have joined Defence Services and have cleared UPSC exams to become IAS and IPS Officers.

NCC Officer: Cap. Dr. Mahendra Kumar S PhDEmail
ID: ncc@rvce.edu.in

6.3 NSS

The NSS Unit of RVCE is very vibrant and organizes many activities to complement the needs of society. NSS- RVCE also educates various stake holders of the society, which not only helps the community, but also provides an opportunity for the students to understand the conditions prevalent in
the community and inculcate leadership qualities. NSS-RVCE regularly organizes Voluntary Blood Donation Camp, Voluntary Eye Pledge Camp, Orphanage visit, Eye screening Camps, Programs to promote National Integration and inculcate patriotism, Celebration of National Festivals and other events of national importance, Campaign regarding Drug abuse, Road Safety campaigns, Swachh Bharat initiatives etc.

6.4 Sports Facilitie

The college encourages sports activities by providing excellent infrastructure and coaching facilities. TheRVCE Cricket, Basketball, Badminton, Table Tennis and Chess teams have won many trophies and Championships. The College provides facilities for outdoor and indoor games. It has a modern Multi- Gym facility. Sports Persons are honored by the Management. RVCE believes sports activities keep the young minds fresh and active.

6.5 Departmental Associations

Every Department has its own technical association which provides a forum for technical knowledge assimilation, organizational capabilities and leadership.

7.0 DISCIPLINARY MEASURES

7.1 General Discipline
The students will not assist or even associate himself / herself in any activities which disturbs or is likelyto disturb the peace and smooth working of the institution.
The tuition fee shall be paid by the student before or at the time of admission / registration in every academic year.
The student shall follow all the rules and regulations laid down by the college authorities/management from time to time.
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.

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 proofto 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
- 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.
- 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.
- Ragging Menace is a criminal offence and such of the students who involve in ragging will 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.
- Students indulging and/or encouraging ragging will not be eligible for placement services, hostel facility, air concession, railway concession, scholarships, passport/visa clearance etc.
- Photographs of students who have been involved in ragging shall be published in the notice board and also published in local newspapers.
- Enquiry committee's decision regarding the punishment is final.
- 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)

7.3 Dress Code
- Dress code is defined based on the need for safety, security, functionality and comfort.
- Students are required to wear decent outfits.
- 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.
- Boys are expected to wear shirts and trousers. No tight fitting clothing is permitted.
- Displaying offensive and obscene slogans and icons on clothing is prohibited.
- Uniforms for Labs is white coats and for workshops steel grey uniform.
- Students who do not adhere to the dress code are liable to be rusticated from the institution.

7.4 Mobile Phone
- 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.

- 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.

7.5 Security Issues

- 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
- Motorcyclists must remove their helmets before entering the College campus.
- College Security Staff have the right to ask individuals to identify themselves. Action shall be initiated against those persons who refuse to identify themselves.
- The students are advised to park their vehicle in the designated parking areas.

7.6 Support Services

- Photocopying Facilities
- Banking Facilities with ATM
- Post Office
- Stationery Stores

- Food Court (Two)
- Health Centre
- Pharmacy
- 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.	Deputy Controller of Examination	Dr. Ananthram V	anantharamav@rvce.edu.in	080-6818 8132
6.	Deputy Director	Lt. Col. Ishwar G Doddamani (Retd.)	dy.director@rvce.edu.in	080-6818 8113
7.	Facility Manager	Maj. Raghavendra C (Retd.)	seniormanager@rvce.edu.in	080-6818 8101
8.	Dean Placements & Training	Dr. Ranganath D	placement@rvce.edu.in	080-6818 8269
9.	Dean, Research & Development	Dr. H Narashima Murthy	dean.research@rvce.edu.in	080-6818 8144
10.	Dean (PG & Research) for Circuit Programs	Dr. Rajashree Shettar	dean.circuit@rvce.edu.in	080-6818 8203
11.	Dean (PG & Research) for Non-Circuit Programs	Dr. Renuka Devi M V	dean.noncircuit@rvce.edu.in	080-6818 8190
12.	Warden, RVCE Boys Hostel	Prof. P. Nagaraju	rvce.bh@rvce.edu.in	080-6818 8219
13.	Deputy Warden, RVCE Boys Hostel	Dr. Manjunatha Reddy	rvce.bh@rvce.edu.in	080-6818 8268
14.	Warden, RVCE Girls Hostel	Dr. K.V.Padmaja	warden.rvgh@rvce.edu.in	080-6818 8166
15.	Deputy Warden, RVCE Girls Hostel	Dr. Sudha Kamath M K	warden.rvgh@rvce.edu.in	080-6818 8232
16.	Campus Doctor	Dr. Sudharshan B.G.	rvcehealthcentre@rvce.edu.in	080-6818 8102
17.	Librarian	Dr. T.R.Sridevi	librarian@rvce.edu.in	080-6818 8236

HEAD OF THE DEPARTMENTS

Sl No.	Department	E-mail ID	Contact No.
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

ASSOCIATE DEANS OF PG PROGRAMS

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8	ELECTRONICS & TELECOMMUNICATION ENGINEERING	adean.tc@rvce.edu.in	080 - 6818 8247
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11	MASTER OF COMPUTER APPLICATIONS	adean.mca@rvce.edu.in	080 - 6818 8176

Innovative Clubs of RVCE

#	Club	Description
1	Ashwa Racing	Ashwa Mobility Foundation (AMF) is a student R&D platform that designs and fabricates Formula theme race cars and future mobility solutions to tackle urban transportation problems.
2	Astra Robitics	Team involved in the design, fabrication and building applications specific robots
3	Coding Club	To facilitate students the skills, confidence, and opportunity to change their world using coding and help them become successful in GSoC, ACM-icpc, and other recognized coding competitions.
4	Entrepreurship Development Cell	E-Cell is a student run body that aims to promote entrepreneurship by conducting workshops, speaker sessions and discussion on business and its aspects. We possess a mentor board to help startups grow.
5	Frequency Club	Team aims at contributing in both software and hardware domains mainly focusing on Artiicial Intelligence, Machine Learning and it's advances.
6	Garuda	Design and Development of supermileage urban concept electric car. Indigenous developmen of E-mobility products.
7	Jatayu	Build a low cost Unmanned Aerial Vehicle capable of Autonomous Navigation, Obstacle Avoidance, Object Detection, Localization, Classification and Air Drop of a package of optimum weight.
8	Solar Car	Build a roadworthy solar electric vehicle in under to build a green and sustainable environment
9	Team Antariksh	Team Antariksh is a Space Technology Student Club whose goal is to understand, disseminate and apply the engineering skills for innovation in the field of Space technology. designing Nano-Satellite payload for ISRO PS4 Orbital platform, RVSAT-I along with developing experimental rockets of various attitde.
10	Team Chimera	Building a Formula Electric Car through Research and Development in E-Mobility, Electrifying Formula R acing.
11	Helios Racing	Team involved in design manufacturing and testing of All Terrain Vehicles and other supportive tasks for he functioning of the team . Participating in BAJA competitions organized by SAE in India and the USA.
12	Team Hydra	Developing autonomous underwater vehicles and use it for various real world applications such as water purification, solid waste detection and disposal etc.
13	Team Krushi	Develop low cost equipments, which help farmers in cultivating and harvesting the crops. Use new technology applications to reduce the labour time hand cost for farmers. Aims at developing implants for Tractors.
14	Team Vyoma	Design, fabrication and testing of radio controlled aircrafts and research on various types of unnamed aerial vehicles.
15	Team Dhruva	Organizing activities like quizzes based on astronomy Stargazing and telescope handling sessions. Construction of a standard observatory. working on small projects with organizations like ICTS. IIA, Aries etc.
16	Ham Club	To popularize Amateur Radio as a hobby among students, alongside exploring technical innovations n the communications domain. Intended to provide human capital for service to the nation at times of natural claimatics.

NCC

NSS

"Not me but you"
"Education through
Community Service &
Community Service through education"

Cultural Activity Teams

1. AALAP (Music club)
2. DEBSIC (Debating society)
3. CARV (Dramatics club)
4. Footprints (Dance club)
5. QUIZCORP (Quizzing society)
6. Rotaract (Social welfare club)
7. RAAG (Youth club)
8. EVOKE (Fashion team)
9. f/6.3 (Photography club)
10. CARV ACCESS (Film-making club)

VISION

Leadership in Technical Education, Interdisciplinary Research & Innovation, with a focus on Sustainable and Inclusive Technology

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 indiidual growth, discipline, integrity, ethics and social sensitivity.

⇨ To nurture industry-institution collaboration leading to competency enhancement and entrepreneurship.

⇨ To focus on technologies that are sustainable and inclusive, benefitting all sections of the society.