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

RV 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 2020-21)

Estd.1963

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RV COLLEGE OF ENGINEERING®

(An Autonomous Institution Affiliated to VTU, Belagavi)

RV Vidyaniketan Post, 8th Mile, Mysuru Road, Bengaluru- -560 059.

2020 Ranked 70th in Engineering Category

Accredited by NBA

One of the most preferred Technical Institutions

PROGRAMS OFFERED

B.E. Programs : AS, BT, CH, CS, CV, EC, EE, EI, ET, IM, IS, ME.
M.Tech (16), MCA, M.Sc. (Engg.)

Ph.D. Programs : All Departments are recognized as Research Centres by VTU

Best NCC Institution for Karnataka & Goa Directorate for the year 2017-19

Five RVCE Alumni cleared civil Services Exam in 2019-20

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

Ranked 3rd in Sports & Cultural Activities under VTU (2018-19)

Use of ICT in Teaching Learning Process

e-Journals e-Books

QEE (55 Course)

SWAYAM

NPTEL 9.300+ Enrolled 68th place in the country (Jul-Oct-2019)

Wikispace

MOOCS

MOODLE

Conference Publications 1275

Journal Publications 936

Patents Filed 50

Patents Published 43

Patents Granted 02

Holistic development of students through NCC, NSS Cultural activities, Community service & Sports.

Established Centre of Excellence in Macroelectronics & Internet of things

MoUs: 96+with Industries / Academic Institutions in India & abroad

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

UPSC Results (2019) : RVCE - Alumni

Name	: Rahul Sharanappa Shankanur
Rank	: 17
Branch	: ECE
Batch	: 2012

Name	: Raghavendra
Rank	: 739
Branch	: ECE
Batch	: 2012

Name	: Harshavardhana B.J.
Rank	: 352
Branch	: CSE
Batch	: 2015

Human Resource

Faculty with Industrial experience 48

Visiting Adjunct Faculty 07

Total Number of Faculty 371

Faculty with Ph.D. Qualification 217

Faculty Pursuing Ph.D. 122

Technical & Admin Staff 225

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

RV-Mercedes Benz Centre for Automotive Mechatronics

Certificate

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

INDIA RANKINGS 2020

R. V. College of Engineering, Bangalore

Ranked 70 in Engineering Category

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BENGALURU - 560 059

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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.	**Lateral Entry**	Such students who have joined the program in the second year of four-year program
11.	**MHRD**	Ministry of Human Resources Development
12.	**NSAR**	Not Satisfied Attendance Requirement
13.	**NSSR**	Not Satisfied Sessional Requirement (did not get the Minimum CIE requirement to appear for SEE)
14.	**Regular B. E**	Such students who have joined the program in the first year of four- year program
15.	**SEE**	Semester End Examination
16.	**SGPA**	Semester Grade Point Average
17.	**University**	Visvesvaraya Technological University (VTU)
18.	**UG**	Undergraduate Program
19.	**PG**	Postgraduate Program
20.	**MCA**	Master of Computer Applications
21.	**MPD**	M.Tech in Product Design & Manufacturing
22.	**MDC**	M.Tech in Digital Communication
23.	**MCE**	M.Tech in Computer Science & Engineering
24.	**MCM**	M.Tech in Computer Integrated Manufacturing
25.	**MVE**	M.Tech in VLSI Design & Embedded Systems
26.	**MCN**	M.Tech in Computer Network Engineering
27.	**MMD**	M.Tech in Machine Design
28.	**MCS**	M.Tech in Communication Systems
29.	**MPE**	M.Tech in Power Electronics
30.	**MST**	M.Tech in Structural Engineering
31.	**MSE**	M.Tech in Software Engineering
32.	**MIT**	M.Tech in Information Technology
33.	**MHT**	M. Tech in Highway Technology
34.	**MBT**	M. Tech in Biotechnology
35.	**MRM**	M.Tech. in Radio Frequency & Microwave

CONTENTS

1.0.   PROFILE OF THE INSTITUTION

1.1   RASHTREEYA SIKSHANA SAMITHl 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 Sarma.

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. Sarma 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 centred courses in Artificial Intelligence (AI), Automotive Engineering (AE) and Very Large System Integration (VLSI). 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 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

RV College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. RVCE is the flagship institution of RSST - a not for profit Trust. The institution provides opportunities to all sections, including to the under privileged, differently abled and socially marginalized people to gain engineering skills through various programs like WEST- Women Empowerment and Skill Training etc. RVCE is an Autonomous college. Currently, the institution offers 12 Bachelor, 16 Master Programs and all the departments have Research Centers, 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 includes -, Ranked 70th in the Country by National Institutional Ranking Framework (NIRF: 2019-20), "Engineering College of the Year-2019" by the Higher

Education Review Magazine, 7th (All India) and 5th (South Zone) by The Week Magazine Ranking 2020, Ranked 6th among the top 10 of 100 Pvt. Engg. Colleges in the Country by Education World Magazine, E-LEAD Certification by QS-IGUAGE. The institution is accredited by NAAC. 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. 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. Focusing more research has helped RVCE to file 50 patents, of them 40 have been published and three Patents granted recently. Around 50 – 60 percent of these patents were undergraduate or postgraduate projects. 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 established Interdisciplinary Research Centre, Incubation Centre, Centre of Excellence in Macroelectronics, Centre of Excellence in Smart Antenna Systems, Centre of Excellence in Computational Genomics and Cisco sponsored Centre of Excellence in Internet of Things, Mercedes Benz sponsored Centre of Excellence in Automotive Mechatronics, Greaves Cotton sponsored Centre of Excellence in e-Mobility. The institution is an Associate Member of Wipro-IISc Research Innovation Network and part of developing Autonomous Vehicles.

RVCE has established a knowledge and skill-based training centres in Automotive Mechatronics in association with Mercedes Benz. 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 Intel, IBM, CISCO, TI, NI, NXP, Samsung, Pace, Freescale Semiconductor, Bosch, Wipro, SAP, ABB, Bosch Rexroth, Mindtree, Infosys, Cognizant, Agilent, Hind High Vacuum, K-Pack, Kennametal, Lapp Cable, Tejas Networks, consulting companies, Boeing Aerospace, Qualcom, Banking sector apart from startup companies.

RVCE has not felt the pinch of the sudden economic slowdown. Instead, a reverse trend has happened at RVCE. Last year, we had over 210 companies visiting our campus for recruiting our students. Two students of RVCE were offered a salary package of Rs. 53 LPA and another three students got Rs. 49.5 LPA. CISCO alone has taken 50 students for Rs. 30 LPA. For the academic year 2019-20, the institute has already received over 1452 job offers and the numbers are still counting. Over 90 percent of students were placed in top firms including Customer Private

Limited, Delloite, Kirloskar Oil Engines, Accenture, Adobe Systems India, CISCO and many more. The average packages ranged between Rs. 8-9 LPA.

Student Activities

Participation in NSS, NCC, Sports, ROTARACT and Cultural Activities are encouraged and given prime importance for overall development of the students. 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 15 innovative teams including Hybrid automobile vehicle, Unmanned Aviation Vehicles (UAV), Drones, Robots and Racing Cars. Students were encouraged to participate in various competitions. The list of innovative clubs include Ashwa Racing (Formula Style Hybrid & Combustion Race Cars), Helios Racing (All-Terrain Vehicle (ATV)), Chimera (Hybrid Vehicles), Garuda (Super Mileage Cars), Vyoma (Unmanned Aerial Vehicles (UAV)), Jatayu (Autonomous Aerial Vehicles), Solar Car and Ashtra Robotics (Robotics), Antariksh, HAM Club (Amateur Radio). 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 & Incubation Centre

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 & Behaviour 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.

The institution has established Incubation Centre in the campus and currently houses seven incubates working in the areas of Biotechnology, Sensors, Chemical Engineering, Biomedical Engineering and Mobile Apps for e-Commerce.

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 and Virtual Reality, E-Mobility. The focus of collaboration is on joint paper publications, executing projects and consultancy works, 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

RVCE offers the following Undergraduate, Post-graduate & Doctoral study programs. RVCE also offers a wide range of proficiency courses, German courses and plans to start a series of certificate and diploma courses.

(a) Undergraduate Program

Sl. No.	Program	Year of Starting
1	B.E. in Civil Engineering	1963
2	B.E. in Mechanical Engineering	1963
3	B.E. in Electrical & Electronics Engineering	1963
4	B.E. in Electronics & Communication Engineering	1972
5	B.E. in Industrial Engineering & Management	1980
6	B.E. in Electronics & Instrumentation Engineering	1981
7	B.E. in Chemical Engineering	1982
8	B.E. in Computer Science & Engineering	1984
9	B.E. in Electronics & Telecommunication Engineering	1992
10	B.E. in Information Science & Engineering	2000
11	B.E. in Biotechnology	2002
12	B.E. in Aerospace Engineering	2015

(b) Postgraduate Program

Sl. No.	Program	Year of Starting
1.	Master of Computer Applications	1997
2.	M.Tech in Product Design & Manufacturing	2004
3.	M.Tech in Digital Communication	2004
4.	M.Tech in Computer Science & Engineering	2004
5.	M.Tech in Computer Integrated Manufacturing	2005
6.	M.Tech in VLSI Design & Embedded Systems	2005
7.	M.Tech in Computer Network Engineering	2005
8.	M.Tech in Machine Design	2006
9.	M.Tech in Communication Systems	2006
10.	M.Tech in Power Electronics	2006
11.	M.Tech in Structural Engineering	2006
12.	M.Tech in Software Engineering	2006
13.	M.Tech in Information Technology	2007
14.	M.Tech in Highway Technology	2009
15.	M.Tech in Biotechnology	2011
16.	M.Tech. in Radio Frequency & Microwave	2013

(c) 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.

Advanced Diploma in Automotive Mechatronics
RV College of Engineering, Bengaluru and Mercedes-Benz India Private Ltd have jointly developed a skill based 'Advanced Diploma in Automotive Mechatronics' (ADAM) course which is aimed to train the job aspirants in Automotive with high skills in Modern Automotive Diagnosis, Servicing and Maintenance in line with global market demand.

FHWS-RVCE Program
The University of Applied Sciences Würzburg-Schweinfurt (FHWS) in Bavarian state of Germany has an MoU with RVCE as its education/research partner. RVCE assists Indian students for admission in one of the three BE programs Mechatronics, Business & Engineering and Logistics taught in English at FHWS. RVCE Bangalore conducts one year bridge course (a requirement of German university) before their admission to FHWS.

(d) Research Centers

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

Sl. No.	Programme	Year of Starting
1.	Mechanical Engineering	1999
2.	Chemical Engineering	2000
3.	Electronics & Communication Engineering	2004
4.	Industrial & Engineering Management	2004
5.	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
16.	Library and Information Centre	2015

2.0   ADMISSION PROCESS

2.1   ELIGIBILITY RULES FOR ADMISSION TO MASTER OF TECHNOLOGY for M.Tech 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 R V 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 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)   W**ithdrawal 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. (2.2)

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 2.2. 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 (Break up 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 FOR PG PROGRAM

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 considered as 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 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

Sl.No.	Category	Credit Percentage (%)	Credits Assigned 2018 scheme
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

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 30 marks. At the end of the semester a test is conducted for 10 marks. The students are encouraged to implement additional innovative experiments in the lab and are rewarded 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 M.Tech 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.**

c)   INTERNSHIP / INDUSTRIAL TRAINING

The 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.

d)   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.

e)   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 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.

b) **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;

OR

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

OR

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

OR

who have been detained for want of attendance (NSAR)

OR

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(e)
3.   SEE at the end of even semester
4.   Make-up examination after even semester to students as per 4.3(e)
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 same rank.

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

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

5.2   Professional Societies
Every student is advised to become a member of at least one of the Professional Societies which are active in the institution. They are required to actively participate in the Professional Society activities which will enhance their overall skills, organizational capabilities and leadership

qualities apart from opportunity to network with experts from industries and R&D organizations.

1. IEEE Student Branch with Three societies
   - ➢ IEEE Communication Society
   - ➢ IEEE Power & Energy Society
   - ➢ IEEE Computer Society
2. International Society of Automation (ISA)
3. Computer Society of India (CSI)
4. Information Systems Audit and Control Association (ISACA)
5. Indian Institute of Chemical Engineers
6. Indian Concrete Institute (ICI)
7. American Society for Civil Engineers (ASCE)
8. Indian Institution of Industrial Engineers
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
Scholarships are available to students on merit cum means basis from the following Organizations
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	Schneider Electric India Foundation
21	Foundation for Excellence
22	Mercedez Benz Scholarship
23	Boeing
24	Kennametal Scholarship
25	Raghuvendra Singh Foundation

26	Intel Scholarships
27	M/s Meritor- CVS India (P) Ltd
28	Sitram Jindal Scholarship
29	NTT Data Inc Scholarship
	NGO Scholarships
30	Arunodaya Scholarship for TE & ECE Students(Means)
31	Sarthaka Trust
	Alumni Scholarships
32	Alumni Association of RVCE
33	Alumni 1979 Batch of E&C

Students can contact placement@rvce.edu.in for the further details and application

5.4   LIBRARY & INFORMATION CENTRE

5.4.1 Networking & Digital Library Services:

Library is a consortia member of VTU through which we subscribe Springer Link, Elsevier Science (Engg + CSE),e-Journals, Taylor and Francis e-Journals, Emerald e- Journals and e- Books, Packt e- Books, McGraw Hill e-Books, New age 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 ID and 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 : 555.
3. Springer Nature (ME, CV, CS, EC and allied branches) https://link.springer.com : No. of Journals : 690.
4. Emerald (Management) https://www.emeraldinsight.com : No. of Journals : 120.
5. Packt (Professional) https://prod.packtpub.com/in : No. of e-Books : 5000
6. Taylor & Francis (Engineering and allied branches) https://www.tandfonline.com :No. of e- Books : 4950
7. McGraw   Hill   Express   (Subscription   model   for   four   year) http://mcgrawhilleducation.pdn.ipublishcentral.com :No. of e-Books :505.

8. Elsevier SD (Engineering): https://www.sciencedirect.com :No. of e-Books :436.
9. New Age International (Reference + text): http://www.newagepublishers.comservlet/nahome: :No. of e-Books : 220.
10. Knimbus (e-Library + Remote access + Mobile App) Technology Platform https://new.knimbus.com
11. NetAnalytiks Platform: https://sententia.online.
12. Turnitin (Plagiarism Software Online Tool): https://www.turnitin.com
13. IEEE Electronic Library (IEL): https://ieeexplore.ieee.org/Xplore/home.jsp :No. of Journals:1990.
14. Harvard Business Review Ascent (HBR Ascend https://hbrascend.org).

5.4.2   Central Library:
Titles: 54343
Volumes: 170976

5.4.3 Policy for issue of Books and other library resources:
- Each user is provided with a Smart identity Card, Students should keep their Smart identity card safely, so that no one else misuses it. In case loss of identity card, 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. 5.00 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.

5.4.4   Working Hours of Library
Monday to Friday:	**09.00 am to 09.00 pm**
Saturday:	**09.00 am to 05:30 pm**
Sunday:	**09:00 am to 01.30 pm**

5.4.5 Digital Library Facility
The internet and e- resources accessibility is available at digital library, is open to all students from 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

The Placement & Training Department is headed by a Dean (P & T) The main thrust of the Placement and training Department is in the following areas: Training of the students in interview skills, personal grooming, etc. Arranging industrial visits and other related activities. In-plant training Campus interview for graduating student by the industries organizing / arranging for summer placement and final placement for the students. Conducting Entrepreneurship development programs.

PLACEMENT PERFORMANCE:

Table: 5.5 Placement Performances

Particulars	2015-16	2016-17	2017-18	2018-19	2019-20
No. of offers made	1200	1207	1191	1452	876
No. of companies that visited RVCE	148	172	215	230	132

The Placement and training department conducts various **mandatory programs** to enhance the personality, communication skills and employability of graduates. The students who do not satisfactory complete these trainings may be barred from attending placement drives.

5.5   Transportation Facility (Annexure-1)

5.6   Hostel Facility:
(a)   There are four BOYS Hostels in the campus catering to over 1200 inmates.
(b)   There are two Ladies Hostels located near to 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.
- *Boarders are a part and parcel of the hostel blocks and mess Administration*
- *Boarders who excel in academics are given awards.*
- *Boarders are encouraged to take part in NSS, NCC, Rotaract, Raag and Sports activities.*

BOYS HOSTELS

Warden	Prof. P Nagaraju, **Associate Professor,** Electronics & Telecommunication Engineering (O): 080-6717 8171, (M): 9916911720
Deputy Warden	**Dr. Manjunatha Reddy Associate Professor, Biotechnology** (O): 080-6717 8385, (M): 9844573697

Name of the Hostel	Used by	No. of Rooms	Total Capacity	Contact No. of In-House Warden
BOYS HOSTELS				
Sir. M.Visveswaraya (Single Rooms)	Final Year UG & PG Students	255	255	Sri. Shivakumar N 9480343742 Intercom: 8065
New Cauvery Hostel (Double Sharing)	UG students of 2nd and 3rd Sem & PG Students	352	704	Sri Somanath M Basutkar 9916258085 Sri. Sunil 8792574177
Chamundi Hostel (Double Sharing)	First year UG	123	250	Sri Shivakumar N 9480343742
Cauvery Hostel-Annexe (Triple Sharing)	First year UG	30	90	Sri. Sunil 8792574177

GIRLS HOSTELS	
Warden	**Dr. Padmaja K V** Professor & Associate Dean (PG) Electronics & Instrumentation Engineering (O): 080-6717 8330 (M): 98450 16646
Deputy Warden	**Dr. Sudha Kamat** Associate Professor Head of the Department, Physics (O): 080-67178037 (M): 9480404395

GIRLS HOSTELS				
Name of the Hostel	Used by	No. of Rooms	Total Capacity	Contact No. of In-House Warden
Krishna Garden – (Off Campus) (Double Sharing)	UG & PG Students	66	132	Ms. Chandrakala 9880223540
RVCE Girls DJ Hostel – (On Campus) (Triple Sharing)	UG Students	33	90	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. Th
e 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 ,

CARV English CARV Hindi 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 centrestage 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 to 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 organise 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.

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.

(H) 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.

 Sanskriti (The Arts Club): A club to promote fine arts and crafts.
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 Service Scheme (NSS)
The National Service Scheme is a public service program under the Union Ministry of Youth Affairs and Sports. The NSS Unit of RVCE is very vibrant and organizes number of activities to complement the needs of the society.

To spread the message about the importance of physical fitness and to understand our social responsibility, the Utsarga Marathon is organized every year. The funds collected are channeled for girl child education, women empowerment activities and child welfare programs.

As a part of our contribution towards rural upliftment, NSS RVCE organizes village visit programs. Volunteers get a chance to interact and empathize with the underprivileged people. Appropriate projects to transfer technology to these areas are taken up. Also, volunteers take part in activities like government school rejuvenation, plantation drives and awareness drives.

Activities for inclusion of specially abled people are taken up by NSS every year. Cricket tournament for blind people is one of our steps towards this initiative. Donating used books and hard bounds for the preparation of brile books for blind people is another important activity in this regard.

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, our college 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 PhD
Email ID: ncc@rvce.edu.in

6.3 Sports Facilities
The college encourages sports activities by providing excellent infrastructure and coaching facilities. The RVCE 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.

6.4 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 likely to 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 proof to the counselor, the department, and the teacher concerned. Otherwise they will not be considered for any attendance benefit and the certificate will not be considered for credits for the paper on Innovation and Social Skills.

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

7.2 Anti Ragging Rules

- 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	**080-67178020**
2	Dean Academics	Dr. Shanmukha Nagaraj	dean.academics@rvce.edu.in	080-6717 8346
3	Dean Student Affairs	Dr. Uma B V	dean.studentaffairs@rvce.edu.in	080-6717 8345
4	Controller of Examination	Dr. G. Sadashivappa	coe@rvce.edu.in	080-6717 8163
5	Dean Placements & Training	Dr. Ranganath D	placement@rvce.edu.in	080-6717 8052
6	Dean (R&D)	Dr. H Narashima Murthy	dean.research@rvce.edu.in	080-6717 8106
7	Dean (PG & Research) for Circuit Programs	Dr. Rajashree Shettar	dean.circuit@rvce.edu.in	080-6717 8178
8	Dean (PG & Research) for Non-Circuit Programs	Dr. Renuka Devi M V	dean.noncircuit@rvce.edu.in	080-6717 8317
9	Deputy Director	Lt. Col. Ishwar G Doddamani (Retd.)	dy.director@rvce.edu.in	080-6717 8099
10	Facility Manager	Maj. Raghavendra C (Retd.)	raghavendrac@rvce.edu.in	080-6717 8030 7780707070
11	Warden, RVCE Boys Hostel	Prof. P. Nagaraju	rvce.bh@rvce.edu.in	080-6717 8424
12	Deputy Warden, RVCE Boys Hostel	Dr. Manjunatha Reddy	rvce.bh@rvce.edu.in	080-6717 8125
13	Warden, RVCE Girls Hostel	Dr. K.V.Padmaja	warden.rvgh@rvce.edu.in	080-6717 8330
14	Deputy Warden, RVCE Girls Hostel	Dr. Sudha Kamath M K	warden.rvgh@rvce.edu.in	080-6717 8037
15	Campus Doctor	Dr. Sudharshan B.G.	rvcehealthcentre@rvce.edu.in	080-6717 8100
16	Librarian	Dr. T.R.Sridevi	librarian@rvce.edu.in	080-6717 8057

Head of the Departments

Sl No.	Department	E-mail ID
1.	AEROSPACE ENGINEERING	hod.ae@rvce.edu.in
2.	BIOTECHNOLOGY	hod.bt@rvce.edu.in
3.	CHEMICAL ENGINEERING	hod.ch@rvce.edu.in
4.	CIVIL ENGINEERING	hod_civil@rvce.edu.in
5.	COMPUTER SCIENCE AND ENGINEERING	hod.cse@rvce.edu.in
6.	ELECTRONICS & COMMUNICATION ENGINEERING	hod.ec@rvce.edu.in
7.	ELECTRICAL & ELECTRONICS ENGINEERING	hod.ee@rvce.edu.in
8.	ELECTRONICS AND INSTRUMENTATION	hod.it@rvce.edu.in
9.	IDUSTRIAL MANAGEMENT ENGINEERING	hod.im@rvce.edu.in
10.	INFORMATION SCIENCE & ENGINEERING	hodise@rvce.edu.in
11.	MECHANICAL ENGINEERING	hod.me@rvce.edu.in
12.	TELECOMMUNICATION ENGINEERING	hod.tc@rvce.edu.in
13.	DEPARTMENT OF CHEMISTRY	hod.chemistry@rvce.edu.in
14.	DEPARTMENT OF MATHEMATICS	hod.maths@rvce.edu.in
15.	DEPARTMENT OF PHYSICS	hod.physics@rvce.edu.in
16.	DIRECTOR, MASTER OF COMPUTER APPLICATIONS	director-mca@rvce.edu.in

Associate Deans of PG Programs

SL No.	Department	E-mail ID
1.	BIOTECHNOLOGY	adean.bt@rvce.edu.in
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3.	CHEMICAL ENGINEERING	adean.ch@rvce.edu.in
4.	COMPUTER SCIENCE AND ENGINEERING	assoc_deancse@rvce.edu.in
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6.	ELECTRICAL & ELECTRONICS ENGINEERING	adean.ee@rvce.edu.in
7.	ELECTRONICS AND INSTRUMENTATION	adean.ei@rvce.edu.in
8.	IDUSTRIAL MANAGEMENT ENGINEERING	adean.im@rvce.edu.in
9.	INFORMATION SCIENCE & ENGINEERING	adean.is@rvce.edu.in
10.	MECHANICAL ENGINEERING	adean.me@rvce.edu.in
11.	TELECOMMUNICATION ENGINEERING	adean.tc@rvce.edu.in
12.	MASTER OF COMPUTER APPLICATIONS	adean.mca@rvce.edu.in

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 Robitcs**	Team involved in the design, fabrication and building application 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	**Entrepreneurship Development Cell**	E-Cell is a student run body that aims to promote entrepreneurship by conducting workshops, speaker sessions and discussions 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 Artificial Intelligence, Machine Learning and it's advances.
6	Garuda	Design and development of supermileage urban concept electric car. Indigenous development 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 order 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-1 along with developing experimental rockets of various altitude.
10	Team Chimera	Building a Formula Electric Car through Research and Development in E-Mobility. Electrifying Formula Racing.
11	**Helios Racing**	Team involved in design, manufacturing and testing of All-Terrain Vehicles and other supportive tasks for the 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 unmanned 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 in the communications domain. Intended to provide human capital for service to the nation at times of natural calamities.

NCC

NSS

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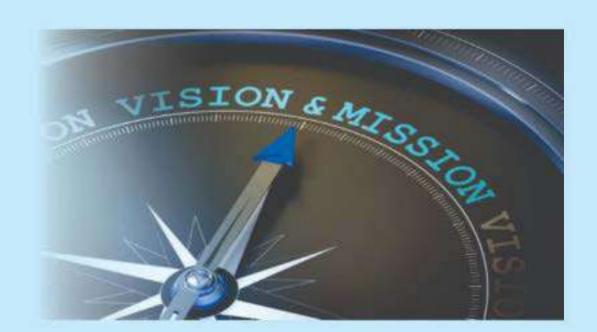*Community Service through education"*

Cultural Activity Teams

1. **AALAP (Music club)**
2. **DEBSOC (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 Technologies.

MISSION

▶ To deliver outcome based Quality Education, emphasizing on experiential learning with state of the art infrastructure.

▶ To create a conducive environment for interdisciplinary research and innovation.

▶ To develop professionals through holistic education focusing on individual growth, discipline, integrity, ethics and social sensitivity.

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

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

RV COLLEGE OF ENGINEERING

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