



## RV College of Engineering®

Autonomous  
Institution Affiliated  
to Visvesvaraya  
Technological  
University, Belagavi

Approved by AICTE,  
New Delhi, Accredited  
by NAAC, Bengaluru

### DEPARTMENT OF TELECOMMUNICATION ENGINEERING

Ph: 080-67178040, 41

Email: [telecom@rvce.edu.in](mailto:telecom@rvce.edu.in)

## M.Tech in Digital Communication

### About RVCE...

RV College of Engineering® (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST) a not for profit Trust. RVCE is an Autonomous college. Currently, the institution offers 12 Bachelor, 17 Master Programs and all the departments have Research Centres, affiliated to Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a Vision “Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, With a Focus on Sustainable and Inclusive Technology”. Recent awards and achievements includes - Ranked 63rd in the Country by National Institutional Ranking Framework (NIRF)–2018-19, “Engineering College of the Year-2018” by the Higher Education Review Magazine, Ranked 38th in the country by The Week Magazine-2019, Ranked 9th among the top 10 of 100 Pvt.Engg. Colleges in the Country by Education World Magazine. The institution is accredited by NAAC. Eleven UG programs and eligible M.Tech & MCA programs have been accredited by NBA multiple times. The institution has to its credit over 1300 National and International Journal publications, filed over 40 patents, 37 published patents, completed sponsored research and consultancy projects worth Rs. 30.0 crores in the last three years. The College currently has student strength more than 5500, faculty strength of above 375, technical & administrative Staff of about 225 and around 200 Research Scholars



### Department of Electronics and Telecommunication Engineering (E&TE):

- The Department of Electronics and Telecommunication Engineering (Telecommunication Engineering) was established in the year 1992.
- It offers one UG programme – B E in Telecommunication Engineering, two PG programmes – (i) M.Tech in Digital Communication, (ii) M.Tech in RF & Microwave Engineering and Ph.D are affiliated to VTU. All the programs under the department have been accredited under TIER – I.
- A total of 23 experienced faculty members supporting four core specializations (Networking, Wireless Communications, Signal processing and Embedded Systems).
- Industry Specific Laboratories- Advanced RF and wireless communication lab by Keysight Technologies are established to carry out Research Development and Product Engineering.
- Department has MOU with companies such as Keysight Technologies, Samsung R & D Institute India Private Limited for enhancing the research profile and quality projects.
- Students are also a part of many innovative clubs like Ashwa racing car team, Garuda – unmanned aerial vehicle, TedEx team, Rotaract club, NSS, NCC, Raag, and many more.



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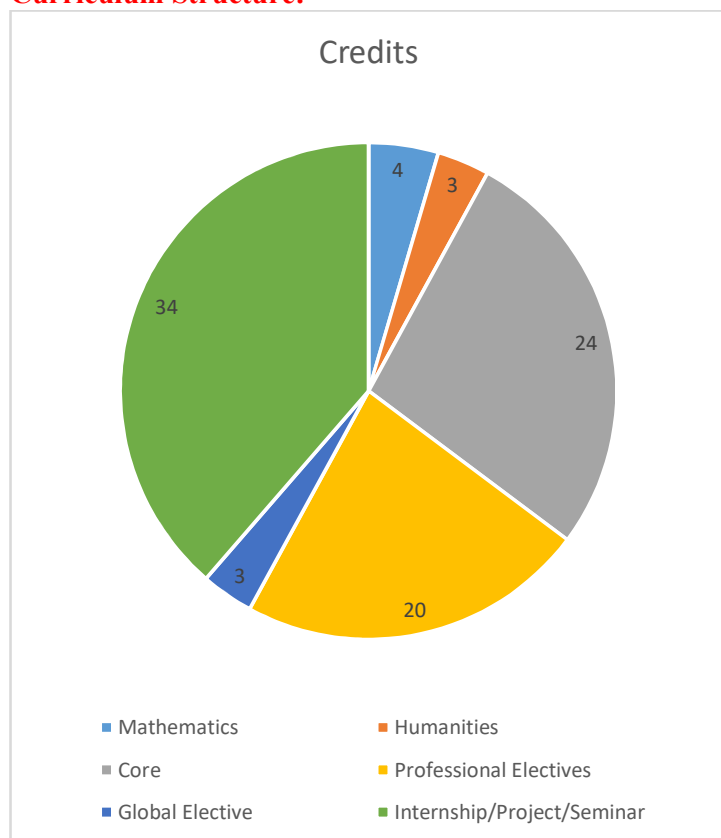
### M.Tech in Digital Communication:

- The department started PG program, M.Tech in “Digital Communication Engineering”, in the year 2004 with an initial intake of 18 and increased to 36 from 2010 onwards. The program is approved by AICTE, State Government and affiliated to VTU, Belgavi, Karnataka.
- Today’s requirements in the emerging areas of smart cities, remote healthcare, 5G, e-Mobility, Automation etc, have led to newer research areas in the domain of Digital Communication, whether it is physical connectivity, advanced modulation techniques, wireless communication standards, system design and simulation using modern tools.
- In spite of the high requirement of Communication Engineering in various industries including DRDO, ISRO, LEOs and other private and public sectors, there is a dearth of highly qualified and skilled human resources in this area.
- A total of 6 faculty members were dedicated to PG-DC program with their core specialization in wireless communication and signal processing.
- Students are encouraged to participate in various domain specific training programs, workshops and conference.

### Admission Criteria:

- Admission to post graduate courses is as per the KEA norms either through Graduate aptitude test for Engineering (GATE), or PG CET.
- Eligible GATE students get scholarship through AICTE.

### Curriculum Structure:



- The outcome based industry ready curriculum is designed to make the students excel in areas of Advanced Digital Communications, Signal Processing, Optical Communication Networks and Wireless Communications. To build on the strong basics, students can specialize by choosing various electives like Artificial Neural Networks, Machine Learning, Software Defined Networks, Network Security, etc.
- This program curriculum is aiming at providing necessary skill set to the students with a wide variety of opportunities, both in the Industry as well as in the R & D organization.
- The program in DC is spread over IV semesters have total credits of 88 and is designed as per Outcome Based Education (OBE) and in alignment with Program Outcomes (POs) satisfying VTU and AICTE guidelines for autonomy.
- Detailed curriculum is found at <https://rvce.edu.in//TE-DCE>



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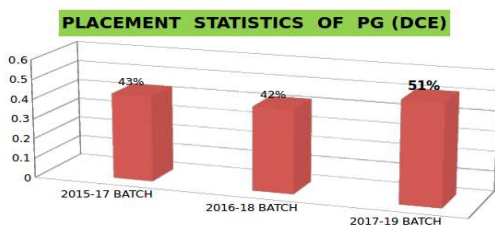
### P.G. Rank Holders (2016-2018 Batch) and (2017-2019 Batch)

### I<sup>st</sup> and II<sup>nd</sup> Batch of Autonomous - M.Tech in Digital Communication Engineering

USN	Student Name	Rank	USN	Student Name	Rank
1RV16LDC02	Akshaya	I (Gold Medalist)	1RV17LDC17	Mrityunjaya D Hatagundi	I (Gold Medalist) Best outgoing Student
1RV16LDC27	Sukeerthi G	II	1RV17LDC09	DivyaKhanure	II
1RV16LDC30	Supritha S Kulkarni	III	1RV17LDC11	Gourav G Vaidya	III

- The average pass percentage is above 80-85% with a very low drop rate.

### Placements:



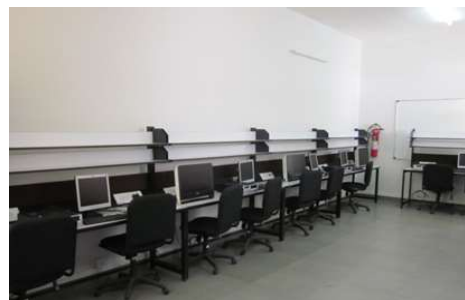
Highest salary package – Qualcomm and Texas Instruments – with 20 L package, Average – 10.4 L, and Lowest – 5.5 L. Moreover, all the students who has got internship opportunities through the campus placements are further converted into permanent jobs.

### Major Recruiters but not limited to:



### Facilities and Infrastructure:

- The department has spacious class rooms and a dedicated seminar hall with multimedia facilities. Moreover, all the class rooms were equipped with ICT facilities.
- Students are provided with secured Wi-Fi connectivity and able to access the intranet through domain e-mail id.
- There are well equipped labs with various modern tools such as:
  - MATLAB R 2019-b
  - Software Defined Radio Kits
  - Dreamcatcher Kits
  - Qualnet v14.
  - Keysight System Vue
  - LabView
  - Opti system



A dedicated Project and Research Lab - To carry-out Minor/Major projects.





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- PG Lab 1 – Design and Analysis of Communication Systems



- The Department has a well-equipped Audio-video Seminar hall with multimedia facilities, high-definition video collaboration applications to conduct trainings, meetings, demonstrations, workshops and seminars.



### Events & Co-curricular activities:

- A one-day workshop on 5G technologies has been conducted on 16<sup>th</sup> October, 2019.
- A hands-on workshop on “RF Instruments and measurements” has been conducted on 8<sup>th</sup> November, 2019





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- Every year a two days National Conference will be held in the department on the eve of “World Telecommunication and Information Society Day (WTISD) on 17 and 18<sup>th</sup> of May. We also release our annual News Letter “Tarangavani “and a souvenir on this day.



- One week workshop on Emerging technologies in SHORT RANGE WIRELESS COMMUNICATION was held on 2-6<sup>th</sup> of July 2018.



- Students represent the department and college at University level sports events, Cultural events and win prizes
- Students are encouraged to participate in various domain specific training programs, workshops and conference.
- Felicitation and recognition to rank holders and best out-going student awards were given by TCS and Cognizant technologies every year.
- Scholarships were being offered for minorities/economically backward students to encourage their studies.



India EU ICT Standardization Collaboration held a Developer’s Tutorial and Hackathon at IISc, Bengaluru on 15 and 16 February 2018. I am glad to share with you that our team, l’équipe sept (Team name), comprising Praveen kumar, Ayushsawarni, Jishnu P, and Kedar were adjudged as winners and we got an opportunity to attend Estonia’s flagship startup and technology event, Latitude59 as part of an all-expenses paid trip to Europe, later this year.

*Praveen kumar*

*1RV16LDC17*

*4th sem M.Tech,DCE*





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**Fourth Sunday of September of every year is reserved for Department Alumni Meet**



### Faculty Membership of Professional Bodies:

Faculty Name	Association	Membership
Dr. K Sreelakshmi	IEEE/ISTE/IETE	MTT & AP Societies No: 93879876
Dr. K Nagamani	IEEE/ISTE	Communication Societies. No: 94839025
Dr. B Roja Reddy	IEEE/ISTE	Signal Processing Societies. No 94817651
Prof. K. Viswvardhan Reddy	EEE	IEEE COMSOC, Sensors, SDN, IoT. No. 90514368

### Student Members under IEEE society chapter:

Student name	IEEE Member id:
Shrivibhu	95610185
Tejaswini GB	95561974
A J Bhagyashree	95560426
Shreevalli S	94053888
Bhavana Ganga	94207309
Sharada	93819964
Nagavaishnavi	95550009
Vidyashree	95611124



### For Contact:

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