



## RV College of Engineering®

(Autonomous Institution)

Affiliated to Visvesvaraya Technological University, Belagavi

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

R V Vidyanikethan Post, Mysuru Road, Bengaluru-560059

### M.Tech. in Biomedical Signal Processing & Instrumentation



### Contact Information

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## Vision

Achieving academic excellence in Instrumentation Technology by adopting interdisciplinary research with a focus on sustainable and inclusive technologies.

## Mission

1. To create an environment for students to excel in domain areas and get motivated to involve in interdisciplinary research by utilizing state of the art infrastructure.
2. To impart technical knowledge, encourage experiential learning and develop future professional leaders.
3. To establish industry-academia networking and develop industry-ready students and future entrepreneurs, to meet societal & industrial challenges.
4. To motivate lifelong learning and research in sustainable technologies to find improved solutions for the betterment of society.

## Patent

1. System & Device for Detecting Human Fall	Dr. B.G. Sudarshan (EI) Mr. A.P. Ashotosh
2. Automatic Medication Dispensation and Alerting Unit	Dr. S.C.Prasanna Kumar (EI) Anurag Shivaprasad Anand Varshney Niharika Anant Atel K. Niranjana
3. Gesture Recognition System and Device with Sign Language Translation	Prof.Kendaganna Swamy (EI) Ansul Jain Shraddha Raj Vishwas R. Katti Dewank Saxena
4. Method and Apparatus for Continuous Measurement of Blood Pressure	Dr. B.G.Sudarshan (EI) Mr. R. Goverdhan

## R&D Lab:

- The lab is equipped with latest simulators for ECG, EEG, EOG
- Plethysmograph,
- Galvanic resistance system
- Electrical Safety Analyser, Audiometer
- In all the equipment's the real time data acquisition is possible.

## List of MoU's:

- Bosch Rexroth
- National Instruments
- Institute of Animal Health & Veterinary Biologicals (IAH&VB)
- ETA PRO Technologies Pvt. Ltd.
- RV Dental Hospital

## Focused Areas of Research:

- Biomedical Instrumentation
- Sensors and Instrumentation
- Biomedical image and Signal Processing
- Bio informatics

## Recruiters:

- Phillips Health Care, GE Health Care, Bosch Health Care, TCS, JNARCH Medical Solutions, Extramarks, and Rockwell etc. are the companies where students have carried out Internships.
- In 2019 batch 33.33% of students are placed in Panacea Medical Technologies Pvt. Ltd. And Phillips Health Care.
- 30% have got an internship in NxP Semiconductor Organization, ERMSTechnologies and the internship drive is still going on...

## Expected Outcome:

- Expecting to establish Bio medical equipment maintenance and servicing skill centre.

## Contact Us:

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