

“AUTOMATION EXPLORER” NEWSLETTER

Vol 10, Issue-1, 2023

In this Issue, Message from HoD's Desk

1. Vision, Mission, PEO's and PSO's of Dept. of E&IE
2. Departmental activities from Jan to Jun 2023.
3. Major Project Details of UG.
4. Workshops/seminars/conference attended by Faculty and Technical staff.
5. Invited Talks delivered by Faculty
6. Workshops Organized by Faculty.
7. Technical talks arranged by Faculty.
8. Awards/Recognition and Achievements.
9. Publications by students and faculty
10. Student Achievements
11. Gallery Section

Established in 1963, RV College of Engineering is one of the country's first self-financing engineering institutes. The Rashtreeya Sikshana Samithi Trust (RSST), a non-profit organization, oversees the operation of the facility. RVCE is a self-governed institution. A total of 15 bachelor's and 13 master's programmes are currently available at the college, which is associated with Visvesvaraya Technological University (VTU) Belagavi. "Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, with a Focus on Sustainable and Inclusive Technology" is the institution's mission statement. RVCE is ranked 96th nationally by the National Institutional Ranking Framework (NIRF- 2023). More than a dozen research institutes have been approved by the university. DST, AICTE, CSIR and many more agencies have financed the institution's projects. NBA has accredited all undergraduate and postgraduate programmes multiple times. PhDs are being pursued by around 250 Research Scholars. The institution has established 24 Centres of excellence/competences on the campus. The institution has to its credit over 50 filed patents, 56 published patents and 17 granted patents. An incubator is a part of the college.

Message from Editor's Desk:

Dear readers,

We are thrilled to announce the launch of our department's newsletter, the "Automation Explorer." This digital publication aims to foster a strong and continuous connection with our esteemed students, professors, former students, and business partners. Through this newsletter, we aspire to share the vibrant activities and remarkable accomplishments of our Electronics and Instrumentation Engineering department.

The Automation Explorer will serve as a platform to showcase the achievements and breakthroughs of our students, faculty, and staff. We believe in celebrating every milestone, big or small, as they contribute to

the collective growth of our department.

One of the key aspects covered in the newsletter will be recent events and activities within the department. We understand the importance of staying up to date with the latest happenings, and hence, we will provide comprehensive coverage of placement drives, sharing the success stories of our talented graduates who have embarked on their professional journeys. It is an opportunity to recognize the efforts of both students and staff, celebrating their achievements and sharing valuable insights gained during these events.

Looking ahead, we are excited about the future of our department. Rapid advancements in technology, particularly in automation, are reshaping industries and opening up new horizons. With an interdisciplinary approach, we are preparing our students to adapt and lead in this changing landscape. The Automation Explorer will serve as a testament to the exceptional work being done in our department and highlight the opportunities that lie ahead.

We would like to take this opportunity to express our heartfelt gratitude to every faculty member, staff, and student who has contributed to the success of our department. Your constant encouragement and support are invaluable, and we are proud to have such a passionate community driving our endeavors.

As we embark on this exciting journey with the Automation Explorer, we invite you to join us in celebrating our collective achievements, staying connected, and embracing the promising future that lies ahead for Electronics and Instrumentation Engineering.

Warm regards,

Editorial Committee: Dr. Veena Divya K, Assistant Professor.

Dr. CH. Renu Madhavi, HoD.

Student coordinators: Samporn Naik 6th Sem, 1RV20EI048

Vivek K C 6th Sem, 1RV20EI061

Data Collection & Entry:

Mrs. Chandrakala M R, Programmer G-II

Message from HoD's Desk



Warm greetings!!

I am happy to release this year's first issue of the department's newsletter. There are many updates to share with respect to the department activities, and the achievements of both staff and students during the last six months. We successfully conducted even semester SEE exams recently and the results of 4th, 6th and 8th semester were good. Department has conducted few technical talks by Industry experts, Expert Lectures from eminent speakers from academia, and conducted workshops for students and faculties. Faculty have attended various workshops, FDPs, and webinars. Developing networking connections between foreign universities is initiated. Few faculties have mentored students opted NPTEL elective courses, and few had been resource persons for national level conferences/workshops and reviewers of various international journals/conferences.

Happy to share that Department has established a Center of Excellence on sensors Technology Applications. and gave internship training and certifications to in-house and other college students . The department has conducted technical talks, seminars and Industrial Conclave under the banner of IEEE Sensor Council Student chapter. Also organized Industrial visits to Companies - 'Quality Biscuits' and 'Synaptics' during this period. Further department faculty received three Patent grants. Proud to share that faculty received funding projects of around 16 Lakhs and a consultancy project of 4Lakhs Proud to share that 13/14 of our faculty are PhD holders. The department also successfully conducted Skill labs for 2nd year students The department is always institutive in organizing events related to the academic and holistic development of students and the other stakeholders involved. Events such as Parent Teacher's meetings, BoS, BoE and Orientations on Electives offered, counselling the students, Annual Alumni meet are organized on regular basis.

Dr. CH. Renu Madhavi

Associate Professor & HoD, Department of EIE

Department Vision, Mission, PEOs and PSOs. 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.

Program Educational Objectives (PEOs) of the Department

1. Apply Instrumentation, Electronics, Controls and Automation concepts to develop technical solutions for industrial problems.
2. Exhibit competency in adapting to various industrial challenges and work in inter-disciplinary projects with team spirit and professional ethics for achieving organizational goals.
3. Pursue higher education in technology or management and achieve professional excellence by imbuing leadership qualities and communication skills.
4. Become entrepreneurs with a focus on sustainable technologies and develop innovative solutions to meet industrial and societal needs.

Program Specific Outcome (PSOs) of the Department

PSO1: Design, analyse, and practice the instrumentation, controls and automation concepts and techniques required for industrial and/or research pursuits resulting in product development, publications, or patents.

PSO2: Demonstrate the knowledge of basic science, mathematics, electronic system design, and programming for real-time applications, towards developing industrial solutions and become technology leaders of future.

1. Departmental Activities from JANUARY 2023 to JUNE 2023

The department has always been contributing significantly to the growth of technical education. The IEEE Sensors Council-Bengaluru Student section has organized a technical talks and student membership drive. Skill labs conducted for both 1st Semester and 4th semester students. Conducted Parents Teachers Meeting for 6th Semester.

2. Major Project Details of UG.

The students of 8th semester UG have taken up the innovative, societal-related problems and developed prototypes to showcase the working of the module. Some of the students executed the problem statements given by the industries of the current era and bridged the gap between the academics and industry standards. The list of projects is given below.

Major Project - 8th Sem, 2022-23

Sl No.	Project Batch	USN	Project Title	Internal Guide	External Guide
Internship Cum Projects					
01	Spoorthi N.B	1RV19EI055	SIEM Integration for SOC	Dr. CH Renumadhavi	Mr. Shabarinath Reddy
	Aftab T	1RV20EI400	Development of Pot Hole and hump detection Sensor Robot Notifying its Location via Android App		NA
	Rajkiran J	1RV19EI038			
	Nihal BK	1RV19EI031			
	Vikas K	1RV19EI062			
02	Narendhiran K S	1RV19EI029	Custom Communication Protocol	Dr. Padmaja K V	Gurubaran Elango
	Farhan Akhter	1RV19EI017	Development of AEON: NUTANIX Platform for Training.		Mr. Shashi Sekhar
03	Mallikarjun K	1RV19EI027	IoT Based Smart Medicine Dispenser	Dr. Prasanna Kumar S C	NA
	Rajath Reddy S	1RV19EI037			
	Syed Maaz	1RV19EI057			
	Tanish S	1RV19EI059	Helius Cut - CNC Laser cutting & Engraving machine		NA
	Jagan Srinivas P	1RV19EI024	Thermal, Mechanical and vibration test of PCB using simulation		Mrs. Jayalakshmi C
04	Vaishnavi Solapur	1RV19EI061	Front End Design flow of Arm Cortex-M55 Processor with AHB Interface Analysis.	Dr. K B Ramesh	Mr. Tarun Goel Mr. Amrut Jigajinni
	Soujanya Bhat	1RV19EI054	Design verification of UART modules in CHM2T CPLD		Mr. Devendra Singh Rana
	Jaipala	1RV19EI401	Diabetic diagnosis using machine learning		NA
	Kamil Firaz Khan	1RV18EI025			
	Sagar Srivastava	1RV19EI044			
	Doddagouda Patil	1RV19EI402			
05	Shilpa S	1RV19EI052	Model Based Design for Position Sensor-less BLDC Control	Prof. S Venkatesh	Mohan Ranga K
	Ganesh C L	1RV19EI019	Design and Implementation of Car Seat Control Module		Mohan Ranga K
	Mudit Rathi	1RV19EI028	Next Gen E-commerce		Mr Sourav Ghosh
06	Aryan Amarnani	1RV19EI012	Database Efficiency Comparison for Two JSON Formats	Dr. Anand Jatti	Naresh Krishnamoorthy
	Anisha Saha	1RV19EI008	Data Driven Decision Making Market Research for Effective Analysis and Strategy.		Nischitha N
	Keerthi Gowda D	1RV18EI027	DM NVX Automation		Renu Yadav
07	Shashwat Mishra	1RV19EI050	Development of a Dashboard and Data Analysis for Sales.	Dr. B G Sudarshan	Rohit Sharma
	Harsh Kumar	1RV19EI021	Renal cell Carcinoma Detection by Using ML Techniques		NA
	Hritik Raj	1RV19EI023			
	Prajwal B Gadad	1RV20EI404			
	Raj Gaurav	1RV19EI065			

08	Pankaj Kankani	1RV19EI033	SDR Alternative using Niagara Scripts and Preconditioning of HDDs using CVF SCSI	Dr. Rachana Akki	Mr. Manoj Kumar Rajan
	Jennifer E	1RV19EI025	Control of Humanoid Robot using Pose Estimation		Mr. Ashish K Achar
	Samiya Goyal	1RV19EI047	VID Tracker Application		Pratyusha Josyula
09	Anjali Mishra	1RV19EI009	Design HR Portal	Dr. Deepashree Devarj	Mr Anish
	Akanksha Raj	1RV19EI003	Data Management of Asset Management Team		Sudeep Vettle
	Vaishnavi Athrey	1RV19EI060	Digital Banking Platform Development		Mr. Pawan Rawal & Mr. Amit Ranjan
10	Ankit Srivastava	1RV19EI010	Visual Intelligence for general commerce using Deep Learning	Dr. Harsha	Mr Srikanth Rajaram
	Ananya D	1RV19EI007			
	Bindu V	1RV19EI014			
	Yash Raj	1RV19EI063			
	Kavyashree N	1RV20EI403	Bin loading and unloading using overhead conveyor		Mr Vishwanath
	Harshitha V	1RV19EI022			
	Neha Jagannath	1RV19EI030	Design of POE-IEEE 802.3bt load box		Mukundan Gangadurai
11	Sheikh Raazi	1RV19EI051	Development of Troubleshooting Tool for CISCO High Availability.	Dr. Tabitha Janumala	Mr. Chandrashekar Sodankoor
	Saurav Agrawal	1RV19EI049	Fast-Accurate-Robust Circle Detection Using Conventional Image Processing.		Mr Jegathesan Shanmugam
	Sangamesh S W	1RV19EI048	LINUX Administration - Configuring of LAMP Stack		Mr. Sunil Kumar Panda & Harshita R
12	Prashant Verma	1RV19EI034	Deployment of Cloud 3.0 using AWS for KBSI	Dr. Rajashree P M	Mr Chandrashekar Bellamkonda
	Farid	1RV19EI018	Raspberry Pi based Android Controlled Surveillance Robot		N A
	Aakash	1RV18EI001			
	Nalin	1RV18EI034			
	Bhavani	1RV20EI401			
Anand Raj	1RV19EI006	Reation of Dependency graph using Neo4j		Mr. Rajaram M	
13	Rohit K M	1RV19EI040	Head Gesture based motorized wheel chair with Speech alert for paralyzed people	Dr. Kendaganna Swamy S	NA
	Jhanhavi R	1RV19EI026			
	S Varun	1RV19EI043			
	Srishti R	1RV19EI056			
	Nikhil K B	1RV19EI032	Error Detection In Memory, Based On Signature Testing In LFSR		Dr Ravikumar CP
	Anand M Sharma	1RV19EI005			
Aditya Venkateshwaran	1RV19EI002	Design and Development of a Low Cost Automatic Hydroponic System		NA	
14	Chandhrikka R	1RV19EI015	Digital Processing Operation in Digital receivers	Dr. Veena Divya K	Mr. Girish
	A Vishnu Charan	1RV19EI001	Automatic Toilet Seat Sanitization		NA
	Suhas S B	1RV19EI064			
	TS Dheeraj Kumar	1RV19EI058			

Sakshi Bharti	1RV19EI046	Development of Employee management System Using AWS Services.	Mr. Manjo Barnwal
Aman Kumar Singh	1RV19EI004	Development of a Cloud based RISK Prediction Platform	Mr. Padmakumar Nambiar

3. Workshops/seminars/FDP/conference/attended by faculty.

Sl No	Faculty Name	Conference /Workshop /Seminar	Organized By	Date Attended
1	Dr. Tabitha Janumala	RGNIIPM Nagpur Ministry of Commerce & Industry Government of India One Day Online Workshop on Intellectual Property Rights (IPR) – Patent & Designs Process	Internal Quality Assurance Cell Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur	18-01-2023
2	Dr. Tabita Janumala	5 day workshop on Augment and virtual reality	Dept of MCS, RVCE, Bengaluru	17-04-2023 To 21-04-2023
3.	Dr. K B Ramesh Dr. Veena Divya K Dr. Tabitha Janumala Mr. Chandrakala M R Mr. Krishna Murthy A V	Microcontroller Programming and using ARM Cortex Kiel Version 5	Dept of EIE, RVCE Bengaluru	16-05-2023 to 18-05-2023
4	Dr. Padmaja K V	Attended a talk on mobile evolution upto 6G by Sri Srinivasan Selvaganapathy, Head of standardization India Nokia	Telecommunication day at TCE Seminar hal	17-05-2023

4. Training / consultancy activities carried out / amount received

Sl no	Training / consultancy work	Faculty involved	Funding agency	Amount received
1.	Fabrication of breast tissue mimicking phantoms characterization of elastic and acoustic numerical model validation	Dr. Rachana S Akki (PI) Dr.CH.Renu Madhavi (Co-PI)	VGST	15 lakhs
2.	IoT based Sheep/goat Tracker and livestock management platform	Dr. Padmaja K V	Consultancy	3 Lakhs
3.	WIRIN		Consultancy	10Lakhs

5. Patent field details

Sl no	Title	Faculty involved	Funding agency	Filed/Granted
1.	Automatic Medication Dispensation and Alerting Unit	Dr.S.C.Prasanna Kumar Mrs. Niharika Mr. Anurag Shivaprasad	Date of Filing: 16/02/2016 Date of Grant: 25/08/2022	Granted
2.	System and device for detecting human fall	Dr. B. G. Sudharshan Mr. Ashutosh A P	Date of Filing: 03/08/2016 Date of Grant: 22/05/2023	Granted
3.	Gesture recognition system and device with sign language translation	Dr. Kendaganna Swamy S Dewank Sexena Ansul Jain Shaddha Raj Vishwas Ramachandra Katti	Date of Filing: 30/02/2016 Date of Grant: 08/02/2023	Granted

6. List of Workshops /Technical Talks organized by the Faculty:

Sl No	Details of workshop /seminar / conference /events	Date of the Event	Participants			Organized by
			No. of Students	No. of Faculty	Industry Person	
1	3 day online workshop on Control System Fundamentals Using MATLAB	23-01-2023 to 25-01-2023	64	3	-	Dr. Veena Divya. K, IEEE Sensors Council Chapter, RVCE and Dept. of EIE and COE.
2	Industry Conclave on Opportunities and challenges in Sensors, Robotics, Automation and Signal Processing	10/02/2023 to 11/02/2023	150	20	10	Dr. CH Renu Madhavi Dr. Veena Divya. K
3	Sensors and its application development using thinking approach	24-04-2023 to 25-04-2023	50	-	-	Dr. Renu Madhavi, Dr. Kendaganna Swamy S Dr. Venna Divya.K Dr. Rajasree P M
4	Microcontroller Programming and using ARM Cortex Keil Version 5	16-05-2023 to 18-05-2023	7	25	-	Dr. K B Ramesh Dr. Veena Divya K Dr. CH Renu Madhavi Mrs. Chandrakala M R Mr. Anil Kumar N A

5	Embedded systems with Real time applications	24-05-2023	65	8	-	Dr. Tabitha Janumala Dr. CH.Renu Madhavi Dr. Sreelakshmi .K
---	----------------------------------------------	------------	----	---	---	-------------------------------------------------------------------

7. Industrial Visit by students

Sl No	Semester	Date	Industry Name & Address	No. of students visited	Purpose
1	3 rd Sem	06-01-2023	Britannia Industries Limited, In Prestige Shantiniketan, Tower C, The Business Precinct, 16th & 17th Floor, Whitefield Main Road, Mahadevapura, Bengaluru, Karnataka 560048	63	Motivates the younger engineering students to observe the real time application of Instrumentation Technology and automation processes used in the industry
2.	6 th sem	26-01-2023	Synaptics : RmZ Ecospace 4th Floor, Unit No. 402, 1c, Ecospace Internal Rd, Bellandur, Bengaluru, Karnataka 560103	50	Current opportunities in VLSI design and embedded technology-based products.

8. Awards / Certifications



Dr. Harsha served as 'Resource Person' for '5-days online AICTE-VTU Joint teacher's training program on Electronic Circuit Design on LabView' in June'2023.



Mentor Recognition- NPTEL: Dr. Padmaja K V
Course: "The joy of computing using Python"

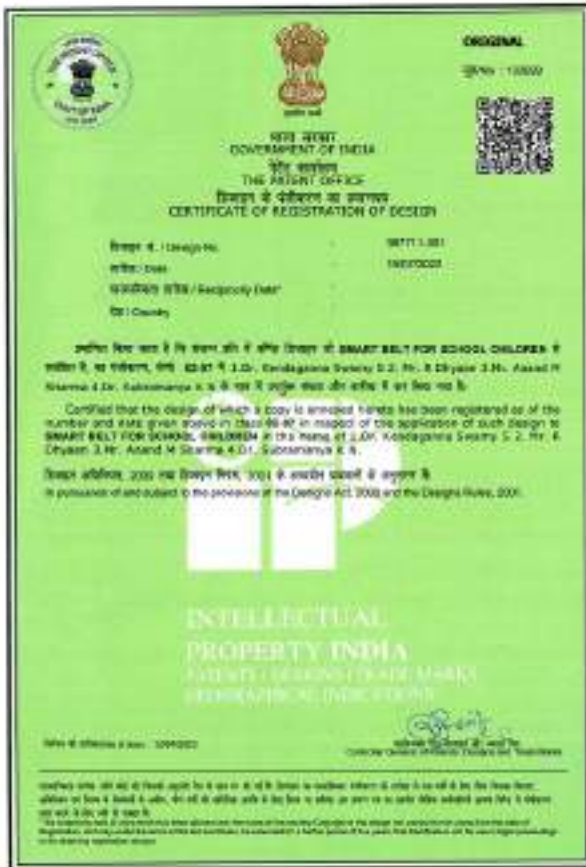
Mentor Recognition- NPTEL: Dr. Tabitha Janumala.
Course: "Programming in Java"



Patent Granted: Dr. Prasanna Kumar S C



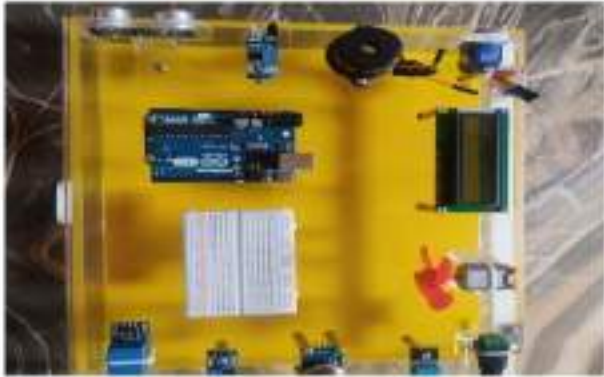
Patent Granted: Dr. Sudarshan B G



Design Patent: Dr. Kendaganna Swamy. S



Patent granted: Dr. Kendaganna Swamy. S



Sensor's Application Development Kit - Product Development done by Dr. Kendaganna Swamy.S, under 'COE-CSTA' for IDEA Lab, under Mechanical Department, RVCE



'Internet of Things' Development Kit - Product Development done by Dr. Kendaganna Swamy.S, under 'COE-CSTA' for RVITM,Bengaluru.

ಆರ್‌ವಿ ಕಾಲೇಜಿನ 44 ಮಂದಿಗೆ ಡಾಕ್ಟರೇಟ್

■ ವಿಜಯವಾಡೆ ಸುದ್ದಿಪಾಲ ಬೆಂಗಳೂರು
ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ರಾಷ್ಟ್ರೀಯ ವಿದ್ಯಾಲಯದ ಸಂಶೋಧನಾ ವಿಭಾಗದ 44 ವಿದ್ಯಾರ್ಥಿಗಳು ಡಾಕ್ಟರೇಟ್ ಪದವಿ ಸ್ವೀಕರಿಸಿದ್ದಾರೆ.

ರಾಷ್ಟ್ರೀಯ ವಿದ್ಯಾಲಯದ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣದ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಕೆ.ಎನ್. ಸುಬ್ರಹ್ಮಣ್ಯ ಮಾತನಾಡಿ, ದೇಶದಲ್ಲಿ ಆರ್.ವಿ.ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್ ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಕ್ಷೇತ್ರದಲ್ಲಿ ಹೆಚ್ಚು ಹೆಸರು ಮಾಡಿದೆ.

❖ ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿವಿ ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಪ್ರದಾನ

1963ರಲ್ಲಿ ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ಸೇವಾ ಸಂಸ್ಥೆ ವತಿಯಿಂದ ಪ್ರಾರಂಭವಾದ ಈ ಸಂಸ್ಥೆ, ಅನೇಕ

ಮೈಲಿಗಳು ದಾಟಿ ಭಾರತದ ಇತಿಹಾಸದಲ್ಲಿ ತನ್ನದೇ ಆದ ಛಾಪು ಮೂಡಿಸಿದೆ ಎಂದು ಬಣ್ಣಿಸಿದರು.

ಪ್ರಸ್ತುತ ವರ್ಷವೂ ನಮ್ಮ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆಗೆ ವಿಶಿಷ್ಟವಾದ ವರ್ಷವಾಗಿದೆ. ವಿವಿಯು ಸಂಶೋಧನೆಗೆ ಹೆಚ್ಚು ಒತ್ತು ನೀಡುತ್ತಿದೆ. ಸಂಸ್ಥೆಯ ಅದೇಶಿತ ಮಂಡಳಿ ನಡೆ ಸಂಶೋ



ವಿವಿಯು ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಡಾಕ್ಟರೇಟ್ ಪದವಿ ಸ್ವೀಕರಿಸಿದ ರಾಷ್ಟ್ರೀಯ ವಿದ್ಯಾಲಯದ 44 ವಿದ್ಯಾರ್ಥಿಗಳು.

ಧನಾ ವಿಭಾಗವನ್ನು ಹೆಚ್ಚು ಸದೃಢ ಮಾಡುವ ನಿಟ್ಟಿನಲ್ಲಿ ಮುನ್ನಡೆ ಸಾಧಿಸಲು ಕಂಕಣ ಬದ್ಧವಾಗಿದೆ ಎಂದರು. ವಿವಿಯ ವಿದ್ಯಾರ್ಥಿಗಳ ಸಾಧನೆ ಬಗ್ಗೆ ಮುಕ್ತ ಕಂಠದಿಂದ ಅವರು ಪ್ರಾಘೋಷಿಸಿದರು. ಆರ್.ವಿ.ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್‌ನ

ಮೆಕ್ಯಾನಿಕಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಸಹಾಯ ಪ್ರಾಧ್ಯಾಪಕ ಮಹಾಂಕೇಶ್ ಮಠ ಡಾಕ್ಟರೇಟ್ ಪದವಿ ಸ್ವೀಕರಿಸಿ, ಸಂಸ್ಥೆಯಿಂದ ಸಂಶೋಧನಾ ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ತಯಾರು ಮಾಡುತ್ತಿರುವ ಕುರಿತು ಮಾತನಾಡಿದರು.

Dr. Harsha, and Dr. Rajasree P M ,Dr.Rashmi, Dr.Sunitha and Dr.Kavita of EIE R& D center, awarded Ph.D Degree in VTU Annual Convocation, February, 2023

Sl No	Faculty Name	Award / Achievement Details	Awarded by Organization Name
1	Dr. Rachana S Akki	Attending online course on Course Design and Delivery Lecture IIEECP Spring 2023	Under IUCEE Platform
2	Dr. Renu Madhavi CH	Awarded for 3 reviews between July 2019 and February 2023 presented in recognition of the review contributed to the journal.	Journal of King Saud University: Computer and Information Sciences
3	Dr. Renu Madhavi CH	IEEE Women in Engineering and Technology Conference Session chair	IEEE, Karnataka
4	Dr. Renu Madhavi CH	CSITSS'2023 Program chair of a session	IEEE, RVCE, Bengaluru

The following faculty are involved in Training and Consultancy for different Centre of Excellence and Centre of Competency established in RVCE:

S.No	Name of the Faculty	CoE
1	Dr. Padmaja K V & Dr. Rajasree.P.M	Centre of Excellence in Internet of Things
2	Dr.Rachana S Akki	Centre of Excellence in e- mobility
3	Dr.Harsha	RVCE Bosch Rexroth: Centre of Competence in Automation Technologies

4	Dr. Veena Divya K	Centre of Competence on Visual Computing
5	Dr. Kendaganna Swamy S Dr. CH Renu Madhavi Dr. Veena Divya K	Centre of Sensor Technology Applications

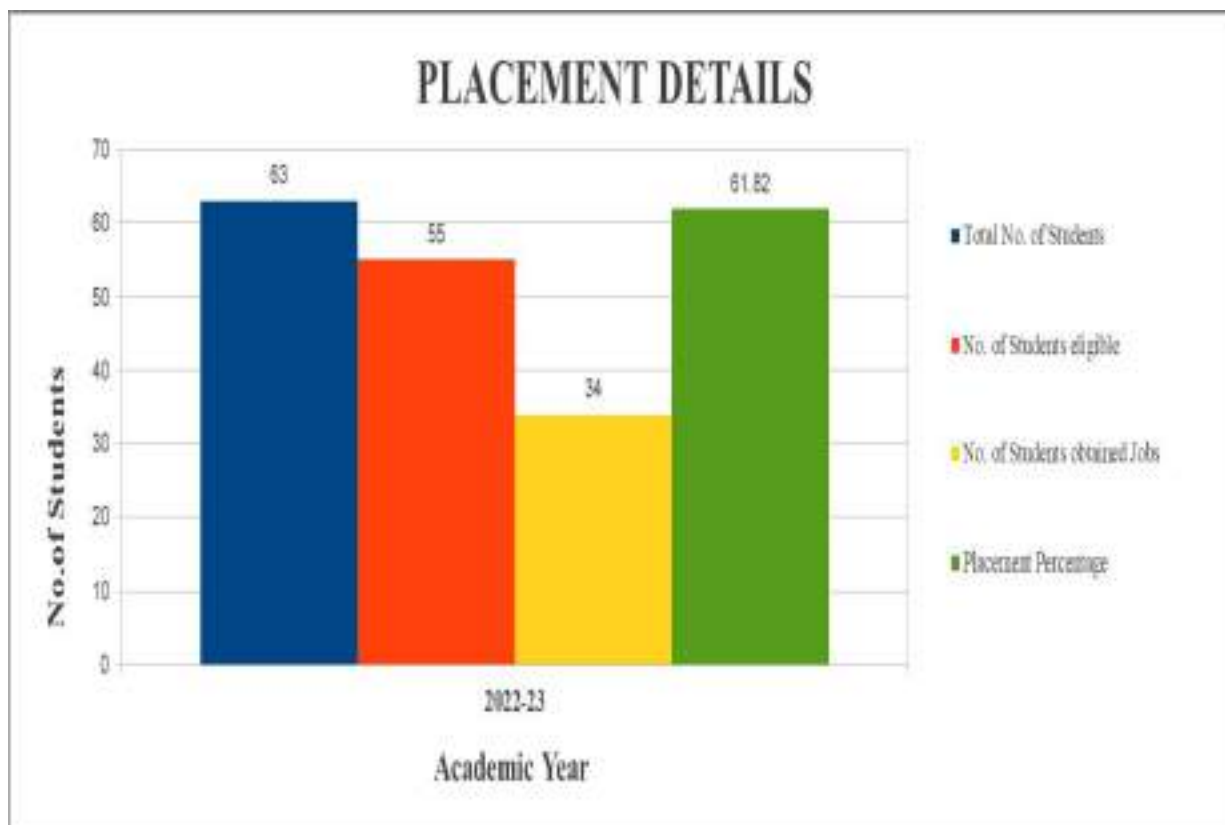
7. Publication details of faculty.

Sushma S J, Prasanna Kumar S C & Tsehay Admassu Assegie (2023): A cost-sensitive logistic regression model for breast cancer detection, The Imaging Science Journal, DOI:10.1080/13682199.2022.2161697.

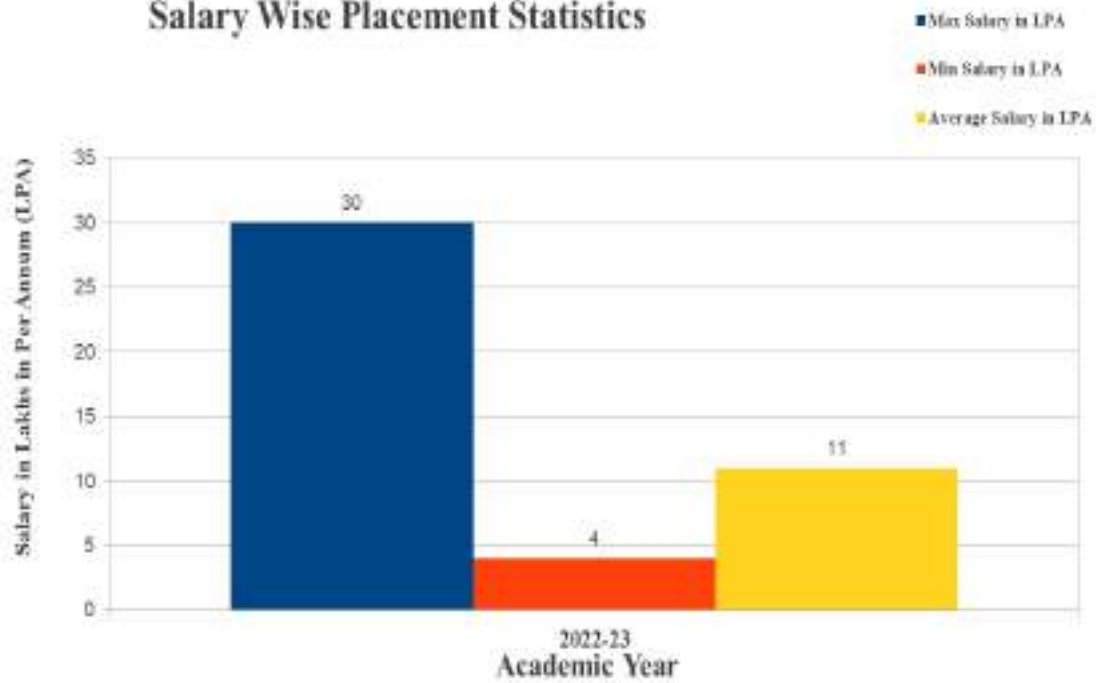
8. Placement Statistics:

The placement statistics for the batch 2019-2023 of Electronics and Instrumentation Engineering Department is shown below, many major IT and Core companies like AIRBUS, BOSCH, HP, Oracle, Western Digital, CISCO, Deloitte to name a few have visited our campus, still the placements are ongoing for this batch. Maximum salary package of 30Lakhs per annum has been bagged by our E & IE students, Average salary of our dept students is 11 Lakhs per annum as of now.

The statistics is as depicted:



Salary Wise Placement Statistics



Our Major Recruiters:



9. Student Achievements:

Our department students are actively involved in Cocurricular and Extra curricular activities in all the different events from January to June 2023. The list is as follows:

Extra-Curricular Activities:

Sl. No	Event	Name of the student	Prize won/Participated	Place of event
1	National Cadet Corps (NCC)	Mohit Kumar	Best NCC college for year 21-22	Offline
2	8th Mile (DISCOM)	Mohit Kumar	Volunteer	offline
3	Fit India Campaign	Mohit Kumar	Participated and Volunteer	Virtual
4	Blood Donation Drive	Mohit Kumar	Participated and Volunteer	Offline
5	Tree plantation and Lake cleaning	Mohit Kumar	Participated and Volunteer	offline
6	Orphanage visit and environment awareness programme	Mohit Kumar	Participated and Volunteer	offline
7	Utsarga Marathon	Mohit Kumar	Participated	offline
8	Utsarga Marathon	Rohith Vivek Kamath	Participated	RVCE
9	Blood Donation Camp by Apollo Hospitals	Pankaj Kankani	Participated	offline
10	Utsarga Marathon	Vaibhav B A	Volunteer	Offline
11	Utsarga Marathon	Vaibhav B A	Main Organizer	Offline
12	Utsarga Marathon	Vaibhav B A	Main Organizer	Online
13	Blood Donation Camp	Vaibhav B A	Participated and Volunteer	Offline
14	Stem Cell Donation	Vaibhav B A	Main Organizer	Offline
15	World Marrow Day	Vaibhav B A	Main Organizer	Offline



Ms. Soumyashree Anand participated in the Fast-Trek'2023 organized by Rotaract, RVCE in February 2023



Ms. Soumyashree Anand awarded 'Promising Rotaract of the Year' by Rotaract, RVCE in February 2023



'Kaveri Koogu' street play performed by IV semester EIE Students, secured 1st Place in Nitte Meenakshi Institute of Technology – Anaadyanta' 2023 Event



Yogith Raj from IV semester – EIE, has won different competitions in 'Basketball' Sports Event.



EIE Students participation Sports, Blood Donation and Cultural Activities



EIE Students participation in different Dance Competitions

10. Gallery Section



VTU-TPOs Conclave was held on 30th January 2023 at RV College of Engineering, attended by 150 staff placement coordinators from VTU affiliated Engineering colleges all over Karnataka.



MoU with Nexsys Systems, Bengaluru under the Centre for Sensor Technology and Applications on 9th March, 2023.



Workshop organized through CoE- CSTA, for PG students of Mechanical Department, RVCE, on 'SIM and PDM', on 24th and 25th April 2023.



'Skill Lab' organized under CoE-CSTA, for II-year UG students of EIE, RVCE for one week in June, 2023.



"Industry Conclave" organized by IEEE Sensors Council and IEEE Signal Processing Society, IEEE RVCE on 10th and 11th February 2023.



Workshop on Microcontrollers and Programming Using ARM" organized by department of Electronics and Instrumentation Engineering, in collaboration with the Sensors Council chapter of IEEE RVCE 16th, 17th, and 18th of May 2023.



Industrial Visit to Britannia Industries, Bengaluru organized by EIE, RVCE on 6th January 2023.



s

Industrial visit to Synaptics, Bengaluru for 6th semester students organized by EIE, RVCE, on 26th June, 2023.





Annual Athletic Meet 2022-23 organized in RVCE on 7th June, 2023.



Kannada Habba 2023 "Karnata" celebrated on 15th June, 2023.



IOT workshop and demonstration conducted for 6th semester students



Environmental Day celebration. June 5, 2023



Voting Pledge taken by Faculty.



Parent-teacher meeting for 4th sem students

Other Information

- a. Dr.CH.Renu Madhavi was invited as a selection committee panel member of National Research Organization.
- b. Dr. S.C. Prasanna Kumar was invited as a Member of State Jury for ESC – STPI Start-up Initiative “Building The Next Unicorn”, Karnataka State Conclave.
- c. Dr. Padmaja K V, Professor, Invited as Technical Committee member for 10th International Conference on wireless communication and sensor ICWCSN 2023 held during Jan 6- 8 2023in Chengdu, China.
- d. Dr. Padmaja K V, Professor, As Co-ordinator for Gandhian Centre and Warden RV Girls hostel attended meeting with NBA Chairman at Boardroom on 24.02.23
- e. Dr. Kendaganna Swamy S, Assistant Professor, BOE attended at National College on 31-01-2023.
- f. Dr. Deepashree Devaraj, invited as Ph.D Doctoral Advisory Committee member at MANIPAL ACADEMY OF HIGHER EDUCATION , MIT, Manipal on 22-02-2023.
- g. Department organized Parent Teacher meet for 3rd sem students on 11/02/2023.
- h. Dr. Padmaja K V, Professor, involved in scheme of third year 2021 scheme in EIE department on 19.05.23 and also to propose an elective
- i. Dr. Padmaja K V, Professor, attended hands on session on uploading of Quiz questions and other features in Quicklrn platform on 23.05.23 at ISE seminar hall organized by IQAC.
- j. Dr. Padmaja K V, Professor, Involved as a reception Committee member for At home function-2023 in RVCE on 27.05.23
- k. Dr. Padmaja K V, Professor, Prepared syllabus for 2021 elective subject and also participated in 6th semester scheme formation during may2023.