



# PRERANA 2017-18

## Even Semester, Volume: 01, Issue: 02



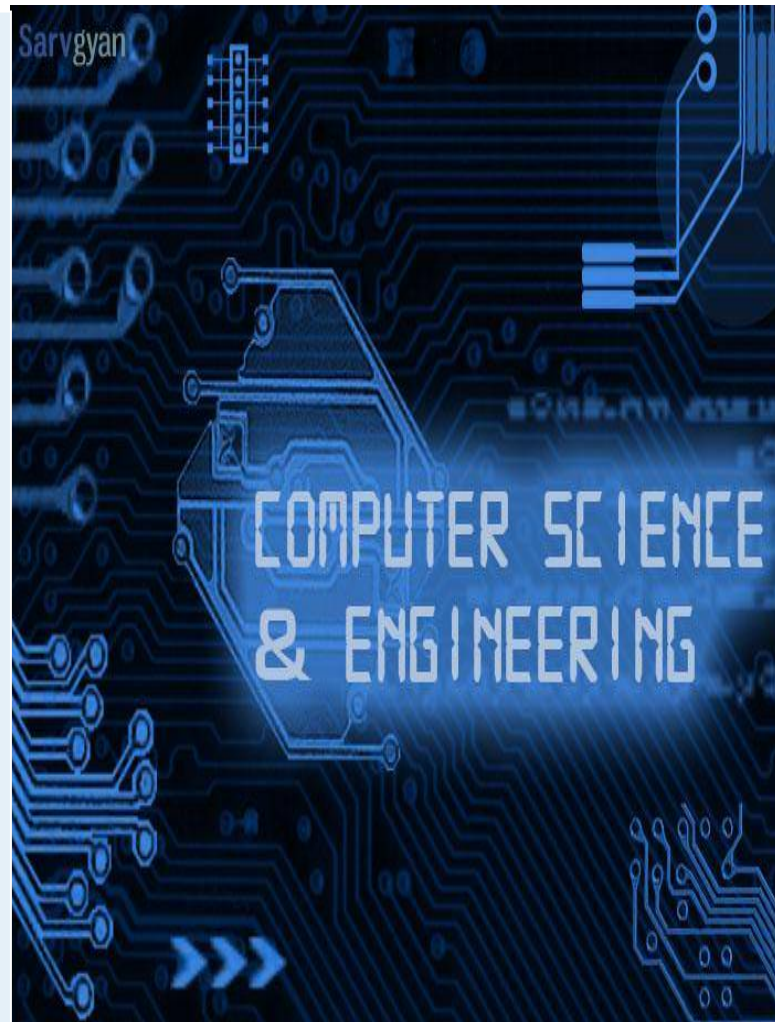
### DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

#### Accredited by NBA



### Inside the Issue

- About the Department
- Faculty Awarded with Doctoral Degree
- Best Teacher Award
- Books Authored by the staff
- Departmental Events
- Projects under State Funding Agency
- Students Achievements
- Faculty Achievements
- Faculty Workshop/FDP Attended
- Co curricular Academic Activities
- Sports Achievements
- Alumnus Achievement
- Photo gallery





Dr. T Hanumantha Reddy,  
Professor & Head,  
Dept. of CSE,  
RYMEC, Ballari-583104

It is an honor and a privilege to publish newsletter of CSE department of RYM Engineering College, Ballari, half yearly once that leads to two issues in year. CSE department mission statements charge us to advance knowledge and educate students, and to bring knowledge to bear on the world's great challenges for the betterment of humankind. It is venue to publish papers, articles, innovations of faculty and students. CSE department always believes adage of Charles Darwin that "It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change". CSE newsletter shall serve variety of purposes to all stakeholders of the institution.

### ABOUT THE DEPARTMENT:

An Independent Department for CSE was established in the year 1987 now running with the intake of 180. The department provides Undergraduate (BE), Post graduate (M Tech in CSE) and Research Program. BE and M.Tech Programmers are affiliated to Visvesvaraya Technological University, Belgaum and approved by AICTE, New Delhi and Govt. of Karnataka. In entire Hyderabad Karnataka region our Department is accredited with **NBA** for three years.

Department of Computer Science & Engineering is a synergistic product of many proactive minds. A team of highly qualified and dedicated Teaching and Technical Staff, unanimously harness the potential in all aspects to take the department to greater heights. All laboratories are well-equipped with state of the art technology.

### DEPARTMENT VISION:

To Produce Professionally Excellent, Knowledgeable, Globally Competitive, Socially Responsible Computer Engineers and Entrepreneurs.

### DEPARTMENT MISSION:

**M1.** To Provide quality education in Computer Science and Engineering .

**M2.** To Establish a continuous industry institute interaction, participation, collaboration to contribute IT skilled Engineers.

**M3.** To build human values, social values, entrepreneurship skills and professional ethics among the IT technocrats.

**M4.** To focus on innovation and development of technologies by engaging in Machine Intelligence research areas.

### DEPARTMENT EDUCATIONAL OBJECTIVES

**PEO1.** Graduate of Computer Science & Engineering will have successful professional career

**PEO2.** Graduate of Computer Science & Engineering will pursue higher education

**PEO3.** Graduate of Computer Science & Engineering will have ability for lifelong learning

### DEPARTMENT PROGRAM SPECIFIC OUTCOMES

**PSO1.** Ability to model, design and implement computer network systems to meet specific requirements.

**PSO2.** Ability to build software engineering system of varying complexity.

## Faculty awarded with Doctoral Degree (Ph.D)

**Name of the Faculty:** Dr Sai Madhavi

**Thesis Title:** "Mobile Communication Through Graph Theory"

**University:** Rayalaseema University

**Stream:** Computer Science

**Date of Ph.D Award:** 23-03-2018

## Best Teacher Award

**Dr Anuradha S G**, Assoc. Prof., Dept of CSE, RYMEC is awarded as Best Teacher (IEAEBTA2018-55) by **Institute of Emerging Association for Engineers(IEAE)**

## Book Authored by the staff

**Book Title:** Management and Entrepreneurship for IT Industry

**Name of the Author:** K M Shiva Prasad

**Publisher:** Invincible Publisher

**ISBN No:** 9789387328433

**Year of Publication:** February 2018

## Departmental Workshops/ Seminars/Invited Talks

- I. Department of Computer Science and Engineering organized Two days Faculty Development Program On "**FDP on Angular JS**" on 22<sup>nd</sup> and 23<sup>rd</sup> Dec, 2018  
**By,**  
Jagadesh Patil,  
Team Leader in Theorem technology India pvt Ltd,  
Mysuru
- II. Department of Computer Science and Engineering organized Two days Workshop on "**Web Development**" on 9<sup>th</sup> and 10<sup>th</sup> March, 2018  
**By,**  
Sai Natarajan,  
Duratech Solutions,  
coimbatore TN

- III. Department of Computer Science and Engineering organized Two days **Two Days National Technical Fest and Project Symposium “Vidara”** under ACM Student Chapter on 23<sup>rd</sup> & 24<sup>th</sup> March 2018
- IV. Department of Computer Science and Engineering organized Two days **workshop on “Ethical Hacking”** on 7<sup>th</sup> and 8<sup>th</sup> April 2018

### **List of Projects under State Funding Agency - KSTSC**

Sl no	Project Title	Guide Name	Fund Sanctioned
1	Agriculture Robotic	Sunitha S	5000/-
2	Design and Development of Wireless Sensor Node for Anti-poaching	Sridevi Malipatil	5000/-

### **Significant achievements made by the students both in academic and curricular activities**

1. **Jyothi G P, Sharada, Abhilasha B and Sapna Kulkarni B** publishes a paper titled **“RYMEC Campus Navigator with Speech Assistance”** in IJARCE, Vol-7, Issue 1, Jan 2018, DOI 10.17148/IJARCE.2018.7143
2. **Priyanka C, Priya Darshini C, Vinayaka G Shavi and sarvar Bagum** publishes a paper titled **“Two Wheeler Safety System for Accident Prevention, Detection and Reporting”** in International Journal of Engineering and Computing Science in IJECS Vol 7 Issue 3 March 2018, DOI:10.18535/ijecs/v7i3.03
3. **Priyanka C, Priya Darshini C, Vinayaka G Shavi and sarvar Bagum** publishes a paper titled **“Fully Homomorphic Computation- a Scheme to Provide End-to-End Data Confidentiality in the Cloud”** in International Journal of Computer Trends and Technology (IJCTT) DOI: 10.14445/22312803/IJCTT-V57P111 ISSN: 2231-2803
4. **G Tejaswani, Afroza B, Vidyashree M and Shruthi Y** publishes a paper titled **“Recognizing Fingerprints in ATM”** in International

**5.G Tejaswani, Afroza B, Vidyashree M and Shruthi Y project titled "Agriculture Robotic"** won first place in Project exhibition Vidara-2018, Two days National Level Tech Fest and Project Symposium, Conducted by the department of Computer Science and Engineering on 23<sup>rd</sup> and 24<sup>th</sup> March 2018

**6.G Tejaswani, Afroza B, Vidyashree M, Shruthi Y, Sunitha S** publishes a paper titled "**Agriculture Robotic**" in International Journal of Engineering and Computer Science, Vol 7, Issue 3 March 2018. ISSN No: 2319-7242

**7.Priyanka C, Priya Darshini C and Vinayaka G Shavi project titled " Two Wheeler Safety System for Accident Prevention, Detection and Reporting"** won Third place in Project exhibition Vidara-2018, Two days National Level Tech Fest and Project Symposium, Conducted by the department of Computer Science and Engineering on 23<sup>rd</sup> and 24<sup>th</sup> March 2018

**8.Sharath Kumar K and Kavitha Juliet** published a paper titled "**Accident Detection for Automobiles using Switch and Buzzer**" in International Journal of Engineering and Computer Science, Vol 7, Issue 3 March 2018. ISSN No: 2319-7242

**9.K Sai Kiran, Divya M, B K Sree Chandana, Deepa R and Nagaveni B Biradar** has published a paper titled "facial Recognition an added Security Level to Mobile and Laptops" in IJECS. Vol 7, Issue 4, April 2018

**10.Divya M and Nagaveni B Biradar** has published a paper titled "**IOTA-Next Generation Blockchain**" in IJECS. Vol 7, Issue 4, April 2018

**11.Ms Tanuja Patil**, 6<sup>th</sup> sem has successfully completed the examination for "**Web Design and Development**" with grade A+

**12.Ms Swetha K M**, 6<sup>th</sup> sem has successfully completed 70 hours **Internship on Internet of Things (IoT)** and worked on an IoT application based project under the aegis of Experthub Industry skill development centre from 24<sup>th</sup> to 31<sup>st</sup>, 2018 held at JSS Academy of Technical Education, bengaluru.

**13.K Sai Kiran** has Successfully Completed "**Algorithmic Toolbox**" an online non-credit course authorized by University of California, San Diego and National Research University Higher School of Economics and offered through Coursera

**14.K Sai Kiran** has Successfully Completed “**Introduction to Data Science in Python**” an online non-credit course authorized by University of Michigan and offered through courser

**15.K Sai Kiran** has Successfully Completed and received B grade in the “**C2CTS1xS18.2x: Technical Skills**” a course of study offered by IITBombayX. An online learning initiative of Indian Institute of Technology Bombay from 20 Feb 2018 to 19 Mar 2018

**16.Rashmi Joshi, Shravani T, Sharath K, Sagar M, Shabreen N , Shrushti A, Sabeena P, Ruchitha Yadav J S, Shruthi E and Saigeetha** has successfully completed “**R Programming** ” an online non-credit course offered through LearnVern.

## Faculty Achievements

1. Author **Dr Sai Madhavi** and co-author **Rajeshwari R P** has published a paper titles “**Trending towards next Best Practices: Platform for future**” in National Conference if Innovative practices in Teaching learning and Evaluation sponsored by NACC, TSCHE organized by A.V College of Arts, Science and Commerce, held on Feb 6th 2018 Hyderabad.
2. **Dr Sai Madhavi** has done AICTE approved FDP certificate for “**FDP201x Pedagogy for Online and Blended Teaching-Learning Process** “ conducted by **IIT Bombay**. This online course was conducted from 14<sup>th</sup> September to 12<sup>th</sup> October 2017,this is a two week equivalent FDP course
3. **Dr Sai Madhavi** has participated in Online Faculty Development Programme through Skype on “**Innovations in Teaching & Learning**” Conducted on November 18th 2017 by Dr. Rudra Rameshwar.
4. **Dr Sai Madhavi** has done AICTE approved FDP certificate for “**FDP101x Foundation Program in ICT for Education**” conducted by IIT Bombay. This online course was conducted from 03rd August to 7th September 2017.
5. **Dr Sai Madhavi** has done HONOUR CODE CERTIFICATE with A+ grade obtained on successful completion of the course “**CS213.3x Algorithms** “ conducted by IIT Bombay. This online course was conducted from 21st February to 12th December 2017.

6. **Mrs. Nagaveni B Biradar** has published a paper titled “**P & ID Data analysis using Hadoop MapReduce**” in the International journal of Recent Engineering Science, Vol 5, issue 1, Jan and Feb 2018
7. **Dr Anuradha S G**, Assoc. Prof., Dept of CSE, worked in the Technical/reviewer Committee in ICAST-2018, Rayat-Bahra Group of Institutions, Rupnagar, Near Chandigarh
8. **Dr Anuradha S G**, Assoc. Prof., Dept of CSE, appointed as a member in the Advisory committee for CRAET-2018, BITM, Ballari
9. **Dr Anuradha S G**, Assoc. Prof., Dept of CSE, RYMEC Reviewed articles/manuscript for the International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) in the month of January 2018
10. **Dr Anuradha S G**, Assoc. Prof., Dept of CSE, RYMEC is selected as a Editorial Board member of International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Monthly Journal for Computer Science and Engineering. IMPACT FACTOR 4.980
11. **Author Dr Anuradha S G**, Assoc. Prof., Dept of CSE, RYMEC and co-author **Kavitha J**, Asst. Prof., Dept of CSE, RYMEC has written a book chapter titles “**Creativity in Teaching**” is submitted and accepted for publication in GRAND ACADEMIC PORTAL (GAP). Book chapter will be published in the April issue 2018.
12. **Author Dr Sai Madhavi** Assoc. Prof., Dept of CSE, RYMEC and co-author **Rajeshwari R P**, Asst. Prof., Dept of CSE, RYMEC has written a chapter for book project 8for GAP titles “**Pedagogic Barriers in the Classroom** ” is submitted and accepted for publication in GRAND ACADEMIC PORTAL (GAP). Book chapter will be published in the April issue 2018
13. **Rajeshwari R P** has done AICTE approved FDP certificate for “**FDP101x Foundation Program in ICT for Education**” conducted by IIT Bombay. This online course was conducted from 03rd August to 7th September 2017.
14. **Ms Sarvar Bagum & Vinutha P** has successfully completed and received A+ grade in “**CS213.3x:Algorithms**” a course of study offered by IITBombayX, an online learning initiative if Indian Institute of Technology Bombay from 21<sup>st</sup>Feb 2017 to 12 Dec 2017

**11. Ms Sarvar Bagum** has successfully completed and received A grade in “**CS101.x: Programming Basics** ” a course offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay.

**12. Ms Sarvar Bagum & Vinutha P** has successfully completed and received A+ grade in “**ET612Tx: Pedagogy for effective teaching learning of CS in Schools**” a course of study offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay

**13. Vinutha P** has successfully completed and received B grade in “**HS791xS17A: Technical Communication for Science and Engineering** ” a course of study offered by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay from 27<sup>th</sup> Jan 2017 to 31 May 2017

**14. Mr. Shiva Prasad K M** Research work Titled “**Effective Pattern Discovery in Text Mining**” Completed his Ph.D Comprehensive Viva on 9<sup>th</sup> Sept 2017

## **Faculty Workshops/FDP attended**

- 1. Mr Prasanna Kumar S**, attended two days workshop on “**Introduction to machine learning**” on 16<sup>th</sup> & 17<sup>th</sup> December, 2017 in KLEIT, Hubli
- 2. Ms. Vani N**, attended 5 days workshop on “**Android Development**” from 18<sup>th</sup> to 22<sup>nd</sup>, 2018 in SVCE, Bangalore
- 3. Mr Jagadheesh G M**, attended two days workshop on “**Machine Learning with PYTHON**” from 16<sup>th</sup> -21<sup>st</sup> January, 2018 in KLE Dr. M. S. Sheshgiri College of Engineering and Technology, Belagavi
- 4. Sunitha S, Shiva Prasad K M Sampath Kumar, puneeth G J, Naveen Kumar B, Pampapathi B M, Raghu Kumar, Shiva Kumar, prasanna Kumar S, Vinutha P, Sarvar Bagum, Vani N, Suresh K, Aparna K S, Swetha Ramana D, Kavitha J** attended two days workshop on “**Research Methodology**” conducted by the department of EEE, RYMEC, Ballari



## Co-Curricular Academic Activities

1. Organized “**Crash Course on Python**” in Collaboration with EDC and IQAC from 22<sup>nd</sup> Jan to 31<sup>st</sup> Jan 2018.

**Resource Persons:**

Sarvar Bagum – Assistant Professor, CSE Dept

Vinutha P - Assistant Professor, CSE Dept

**EDC Coordinator:**

Dr H Girisha

**IQAC Coordinator:**

Dr Veera gangadhara Swamy

2. Organized “**fastrack Course on C Language Fundamentals**” in Association with CSE, EDC & IQAC from 22<sup>nd</sup> Jan 2018 to 31<sup>th</sup> Jan 2018

**Resource Persons:**

Dr Sai Madhavi – Associate Professor, CSE Dept

Rajeshwari R P - Assistant Professor, CSE Dept

**EDC Coordinator:**

Dr H Girisha

**IQAC Coordinator:**

Dr Veera gangadhara Swamy

## Sports Achievements

- **Miss. Sahana Deshpande**, 6<sup>th</sup> sem student of Dept of CSE have won 2<sup>nd</sup> place SILVER medal in VTU Zonal Athletic shot put competition 2017-18 held at VTU, Belagavi.
- **Sahana B Deshpande - 6<sup>th</sup> sem, Srujana J M -6<sup>th</sup> sem, Soumya Prabhulinga Reddy – 6<sup>th</sup> sem, BabySindhu M – 6<sup>th</sup> sem, Anusha B U – 6<sup>th</sup> sem & Nidhi – 8<sup>th</sup> sem** won 4<sup>th</sup> place in Inter Zonal Volleyball held in Davanegere

# Alumnus Achievement

REXBACK A STARTUP SOFTWARE COMPANY

NAME: : RAGHAVA SOWRYA VISWANADHUNI  
BATCH : 2013 ALUMINI  
USN : 3VC13CS068  
DEPARTMENT : COMPUTER SCIENCE ENGINEERING



## REXBACK INNOVATIONS PRIVATE LIMITED

Startup to redirect the advertising budgets of companies  
to consumers in form of cashbacks.

**365** what if you get discount  
days on your shopping?

Cash Back  
100+ Brands



Ecommerce



Ticket Booking



Food Ordering



Fashion



Hotel Booking

Hey RYMEC champ have an crazy idea?

wondering where to start?

hit me at [contact@rexback.com](mailto:contact@rexback.com)



\*Terms and Conditions apply

# Students Achievements

## 1. Academic Topper's

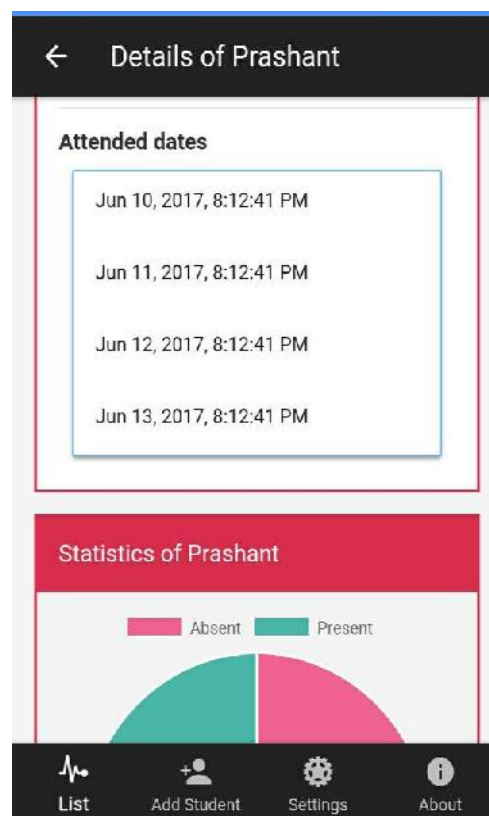
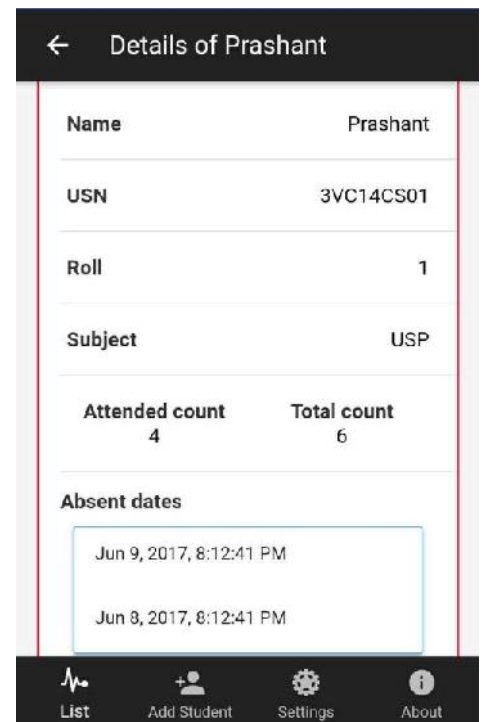
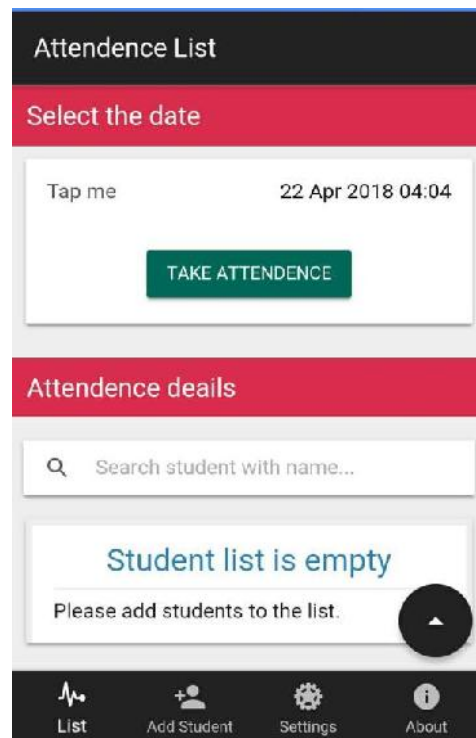
3 <sup>rd</sup> Semester			
Name	USN	Percentage	Rank
Sai Sreedevi K	3VC16CS083	86%	First
Sai Deepthi K	3VC14CS081	79.8%	Second
Srivennala K	3VC16CS102	74.8%	Third

5 <sup>th</sup> Semester			
Name	USN	Percentage	Rank
Manjula K	3VC15CS051	71%	First
G K Meghana	3VC15CS026	64.6%	Second
Jyothi Y	3VC15CS038	62%	Third

7 <sup>th</sup> Semester			
Name	USN	Percentage	Rank
M Swathi	3VC14CS040	79.7%	First
MohanKumar V	3VC15CS421	75.6%	Second
Sahana M	3VC14CS079	74.2%	Third

2. Mr. Sai Kiran VIII Sem, developed and maintaining the [rymec.acm.org](http://rymec.acm.org) website.

3. Mr. Sai Kiran VIII Sem, developed an “Attendance Management App” for the Department of CSE



## Photo Gallery



**Two Days Workshop on Web Development**



**Vidara Technical Fest and Project Symposium**



**Two Days Workshop on Web Development**



**Two Days Workshop on Ethical Hacking**



**Felicitation for the award of PhD during Mandara-2018**



**Felicitation for the award of PhD during Mandara-2018**



**Felicitation for Authoring the Text Book during Mandara-2018**





## Program outcomes (POs)

**PO1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

**PO5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

**PO7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

**PO12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## EDITORIAL TEAM



**Dr. Anuradha S G,**  
Associate Prof,  
Department of CSE,  
RYMEC, Ballari



**Pampapathi B M,**  
Asst. Professor  
Department of CSE,  
RYMEC, Ballari



**Roshan D,**  
Asst. Professor  
Department of CSE,  
RYMEC, Ballari