

## **RV COLLEGE OF ENGINEERING**

### **Activities of Centers of Excellence in Teaching and Learning (2020-2021)**

- **Name of the Institute:** R V COLLEGE OF ENGINEERING
- **Name and Status of the Teaching-Learning Center: (what is the Center called? Is it an independent Center or located within a department?)**  
Center for Education and Digital Learning Research(CEDLR)  
Located within the institute.
- **Date (or year) of Establishment:** Jan 2019
- **Mission Statement and Mandate of the Center:**

#### **Vision:**

Transformation of education and learning through the adoption of digital initiatives to enhance learnability and research in engineering education.

#### **Mission:**

- ✓ Leverage technological advancements in education.
- ✓ Promote ethical emerging inclusive instructional technologies to transform education.
- ✓ Synergize digital research to strengthen the teaching-learning process.
- ✓ Facilitate opportunities to integrate various facets of education.

#### **Objectives:**

- ✓ To enhance Cognitive abilities of students in Engineering Education.
  - ✓ To adopt advanced digital technology to enhance learnability of students.
  - ✓ To formulate strategies and models to integrate modern ICT tools in class rooms along with other teaching-Learning Strategies.
  - ✓ To inculcate ethical practices for use of ICT among the faculty.
  - ✓ To develop course content and implement virtual lab for e-learning.
  - ✓ To Conduct Training Programs on regular basis for students and staff.
- **Organizational Structure of the center: (Director/ In charge, Coordinator, other office bearers, etc)**

Head of Research center: Dr. K.N. Subramanya, Principal, RVCE.  
Coordinator: Dr. B.V Uma, Dean-Student Affairs.

#### **Existing Members**

1. Dr. Geetha K S, Vice Principal
2. Mr. Bhaskar K, Asst. Professor, Dept. of Aerospace Engineering.
3. Dr. Trilok Chandran, Asst. Professor, Dept. of Biotechnology.
4. Dr. Basavaraj, Asst. Professor, Dept. of Chemical Engineering.
5. Ms. Prapulla S B, Asst. Professor, Dept. of Computer Science & Engineering.
6. Mr. M.Vikas, Asst. Professor, Dept. of Civil Engineering.
7. Mr. Rajithkumar B K, Asst. Prof. Dept. of Electronics & Communication Engineering.
8. Mr. Kendaganna Swamy, Asst. Prof. Dept. of Electronics & Instrumentation Engineering.
9. Mr. Bhaskar M G, Asst. Professor, Dept. Industrial Engineering & Management.
10. Dr. Nagesh S, Asst. Professor, Dept. of Mechanical Engineering.
11. Dr. Rakesh, Asst. Professor, Dept. of Telecommunication Engineering.
12. Dr. Harish, Asst. Professor, Dept. of Mathematics.
13. Dr. Shubha S, Asst. Professor, Dept. of Physics.
14. Dr. Swarna M Patra, Asst. Professor, Dept. of Chemistry.
15. Mr. R. B. Ravi Varma, System Administrator.
16. Dr. Umesh I M, Systems Analyst, Dept. of Information Science & Engineering.

- **Training and Development Activities conducted in 2020-2021: (FDPs, Conclaves, Workshops etc.)**

- ✓ **5-Day Faculty Development Program on “OBE & Its Impact on Accreditation Process” during 06-10 July 2020**
- ✓ Effective Student Centric Teaching workshop for RVCE faculty 27<sup>th</sup>-28<sup>th</sup> Sep 2021
- ✓ Five days Workshop on Advanced ICT Tools for Higher Education 13<sup>th</sup> to 17<sup>th</sup> Sep 2021.
- ✓ Five Days FDP on “Teaching Learning Process to Enhance Program Outcome” During 15-19Nov 2021
- ✓ **Five day workshop for RVCE and RVITM faculty ”Online FDP on Moodle and its Features for Teaching Learning and Evaluation Process" from 27th to 31st July 2020. <https://rvce2020elearning.gnomio.com/>**

- **Academic Support Activities conducted in 2020-2021 (for students and faculty during COVID pandemic phase)**

- ✓ Various workshops conducted for the faculty of different institutes on OBE, ICT tools etc.
- ✓ Summer Internships were conducted for 2<sup>nd</sup> year students in online mode.
- ✓ Effective Student Centric Teaching workshop for faculty from different Institutions. As part of the Share & Mentor Institutions (Margadarshan) Scheme.

- **Any Other Information about the Teaching Learning Practices undertaken for effective learning in the institution during 2020-21**

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- ✓ **Encourage faculty to follow best practices in teaching learning process to meet the 21<sup>st</sup> century skills.**
- ✓ **Employing various active learning strategies to make learning more engaging and effective.**
- ✓ **Motivate faculty to publish papers in good journals and conferences**
- ✓ **Encourage faculty to organize workshops, symposiums, FDPs etc.**
- ✓ **Faculty are given opportunities to participate in various conferences, FDPs etc.**

### **List of conference presentations**

1. Design and Analysis of an Online Course using Moodle Platform", Prapulla S B, Jyoti Shetty, Vinay A Kulkarni, K N Subramanya, Uma B V, Ramakanth Kumar P, Dr.Shobha G, ICTIEE-2020, Jan 5-8, 2020, Hyderabad
2. Design of an effective flipped classroom session for enhanced learning outcome“, Uma Rao, ICTIEE-2020, Jan 5-8, 2020, Hyderabad
3. Plickers: an ICT tool for formative assessment and feedback“, Prema V, ICTIEE-2020, Jan 5-8, 2020, Hyderabad
4. Alignment of Learning Outcomes Assessment with Bloom’s Taxonomy Level, Swarna M Patra, Basavaraja R J, K N Subramanya, ICTIEE-2020, Jan 5-8, 2020, Hyderabad
5. **Presented a paper titled “Strategies for Enhancing Critical Thinking of 21<sup>st</sup> Century Learners”, Swarna M Patra, Prapulla S B, Subramanya K N, Uma B V, CTGZMA-2021 National conference Aug 2021**
6. Case Study on Problem Based Learning using Product-a-thon Badarinath K Prapulla S B, Subramanya K N-presented in mini symposium on P<sup>2</sup>BL organised by IUCEE Oct 2021.