Ballarpur Institute of Technology, Ballarpur

**KrushiJivanVikasPratishtan- Yenbodi, Reg.No F-294**

* **Vision:**

**To be a premier institution of engineering education and research, preparing students for leadership in their fields in a caring and challenging learning environment.**

* **Mission:**
* To provide necessary Technical Skills through excellent standards of quality education, keeping pace with ever changing technologies.
* To bring students together to be trained in leadership skills, engage in activities that promote ethical manners, exhibit social liabilities and inspire a dedication to excellence.
* To develop the spirit of entrepreneurship among the students through entrepreneurial Awareness Campaign, training, and Research and Development etc.

Program Specific Outcome (PSOs)

**Department of Electrical Engineering**

* **PSO 1:**  Make use of the basic concepts in Electrical Engineering and its specialization to solve the complex problems in power systems, control systems and electrical drives
* **PSO 2:** Able to provide socially acceptable technical solutions to complex electrical engineering problems with the application of modern and appropriate techniques for sustainable development.
* **PSO 3:** Able to apply the knowledge of ethical and management principle required to work in a team as well as to lead a team.

**Department of Electronics and Telecommunication Engineering**

* **PSO1:** Understand fundamentals concepts and acquire co-design skills of E&TC to apply them to its cognitive areas.
* **PSO2:** Enhance programming skills for efficient coding practices using open source platform.
* **PSO3:** Develop analytical skills to achieve optimized and cost-effective technological solutions for challenges in E&TC.
* **PSO4:** Bringing awareness about electromagnetic radiation hazards for the work environment.

**Department of Computer Science and Engineering**

* **PSO01:**Professional Skills -The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems
* **PS02:**Problem Solving Skills – The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver quality products for business success
* **PS03**:Successful Career and Entrepreneurship – The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies

**Department of Mechanical Engineering**

* **PSO1:**Apply their scientific and technical knowledge, critical thinking and problem solving skills in professional engineering practice or in non-engineering fields, such as law, medicine or business.
  + **PSO2:**Continue their intellectual development, through, for example, professional development courses.
  + **PSO3:** Embrace leadership roles in their careers.
  + **PSO4:**Design, construct and analyze Mechanical Engineering Systems.
  + **PSO5:**Have the ability to use associate Computerized Numerical Control software to improve the performance of Mechanical Systems.

**Department of Civil Engineering**

* **PSO1:** Enhancing the employability skills by making the students capable of qualifying National level competitive examinations
* **PSO 2:** Competency in professional and Industrial areas
* **PSO 3:** Inculcating in students tech saviness to deal with practical aspects of civil engineering

**Department of Mining Engineering**

* **PSO1:** Analyze, design, operate, maintenance and evaluate various components, methods and system using state –of-art technology in Mineral extraction and process up.
* **PSO2:** Effectively practice as professional engineers, managers, and leaders in the mining Industries and/or a wide variety of other fields as engineers.

**Department of Master of Business Administration**

* **PSO1:**Exhibit professionalism, self-awareness, leadership, and effective communication

skills

* **PSO2:**Assimilate tools and concepts from varied functional areas (i.e. finance, marketing,

HR, operations, Services, etc.) to solve problems pertaining to business.

* **PSO3:** Encourage student on their professional development plans by reflecting on their first year’s learning and Summer Internship experiences.
* **PSO4:** Help students to explore practical application of the management concept.
* **PSO5:** "Providing a Strong analytical foundation in key functional areas and the other,

enabling a high degree of academic flexibility, thereby allowing students to customize

their MBA experience.

**Department of Master of Computer Application**

* **PSO01:** Understand, analyze and develop computer programs in the areas related to algorithms, Process and solutions for specific application development using appropriate data modeling concepts.
* **PSO02:** Apply standard Software Engineering practices and strategies in software project development using open-source programming environment to deliver a quality product for business success.
* **PSO03:** Be acquainted with the contemporary issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems.