



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation)

Shobhavana Campus, Mijar-574225, Moodbidri, D.K

Phone: 08258-262725, Fax: 08258-262726

Affiliated to VTU Belagavi, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka

PRACTICAL RECORD BOOK



Name

Bohini S. H

USN / Batch

4ALLSECOGO 'BI' Batch

Sem & Section

6th Sem 'B' Section

Subject Name/Code

ABM Lab

Department

Electronics & Communication

VISION OF THE INSTITUTE

"Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community"

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

VISION OF THE DEPARTMENT

"Centre of Excellence to Empower the young Minds in the field of Electronics & Communication Engineering with Emphasis on Learning and Skill Development through Transformative Education catering to the needs of the Society"

MISSION OF THE DEPARTMENT

- * To create a unique learning Environment to enable the students for their Excellence.
- * To Empower the students with necessary skills for Solving the Technological Problems
- * To Promote R&D Activities among Teaching Learning group to meet the requirements of Industry & Academia
- * By Imbibing the students with Human values and Ethics through Transformative Education and make them Society Responsible Professionals.

COURSE OUTCOMES

CO1	Analyze the architecture & Instruction Set of 32 bit microcontroller - ARM Cortex M3
CO2	Understand the software tool required for Programming in Assembly & C language
CO3	Develop assembly language Programs using ARM Cortex M3 for different applications
CO4	Design C language Programs and library functions for embedded system applications
CO5	Illustrate the concept of Embedded Hardware Peripherals
CO6	Interface the concept External devices and I/O with ARM Cortex M3

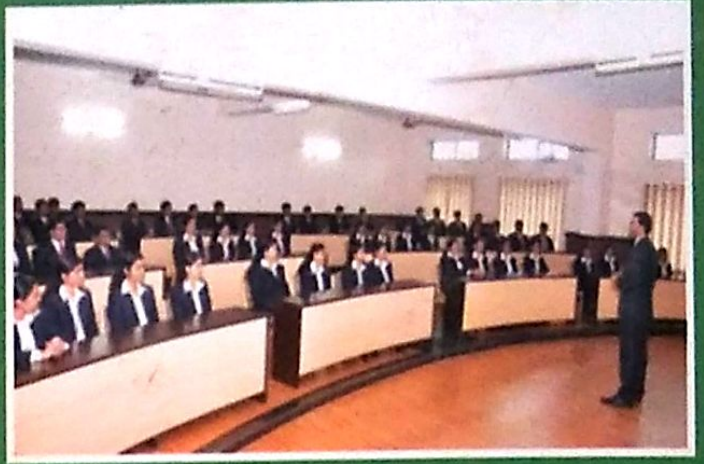
PROGRAM OUTCOMES (POs)	
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, Engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering 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.

PROGRAM SPECIFIC OUTCOMES (PSOS)

PSO1	Understand & apply the Principles of science & Engineering in the field of Electronics and Communication.
PSO2	Ability to design and implement systems using the concepts of AE, DE Communication DSP, NA - E.S & Semiconductor technology.
PSO3	Develop Proficiency to use modern Hardware & Software tools in the area of Electronics and Communication Engineering
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1	To Prepare graduates with solid foundation in mathematical, scientific & Engineering fundamentals required to develop problem ability
PEO2	To Provide adequate exposure to emerging technologies among the graduates to Pursue higher Studies & Research
PEO3	Equip Engineering graduates with Technical and Professional skills to groom them to be competent & Employable.
PEO4	To inculcate Professional and ethical attributes among graduates who will contribute to society as responsible professionals or successful entrepreneurs & become worthy global citizens.





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PRACTICAL RECORD BOOK



Name

SRILATHA. K. KAMATH

USN / Batch

4AL17CS099 / B2

Sem & Section

V 'B'

Subject Name/Code

DBMS LABORATORY WITH MINI PROJECT /17CSL58

Department

COMPUTER SCIENCE AND ENGINEERING.

VISION OF THE INSTITUTE

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- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

VISION OF THE DEPARTMENT

Engendering competent, excellent professionals by transforming the knowledge and computing skills to individuals through modern innovative tools and techniques.

MISSION OF THE DEPARTMENT

- * To produce skilled, creative software developers through rigorous training.
- * To conduct specific technical courses to keep abreast to the latest technological developments & transformations in the domain.
- * To implement the ideas of research & innovations in interdisciplinary domains.
- * To establish Industry-Institute Interaction programs to enhance the skills of employability and entrepreneurship.

COURSE OUTCOMES

CO1	Design the schema and choose appropriate relationship between them.
CO2	Create and update the table using SQL.
CO3	Analyze and develop the query and views for the given database.
CO4	Demonstrate the working of difference concepts of DBMS.
CO5	Design, Develop, and Implement the project developed for an application.
CO6	

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.
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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.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	<i>PROFESSIONAL SKILLS: The ability to understand and implement the computer programs in the areas of computer architecture, System software, DBMS, Web design, Multimedia and computer networking.</i>
PSO2	<i>PROBLEM-SOLVING SKILLS: The ability to solve real world problems using suitable mathematical models with strong technological concepts in rapid growing areas from computer technology.</i>
PSO3	<i>SUCCESSFUL CAREER AND ENTREPRENEURSHIP: Knowledge as in diverse areas of software engineering and management and entrepreneurship for IT industry, conducive of cultivating skills for successful career development.</i>
PSO4	

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO1	<i>Exhibit fundamental strength in core courses of computer engineering to solve the problems of computing world.</i>
PEO2	<i>Adapt and contribute the emerging technological changes.</i>
PEO3	<i>Employed in computing profession or engaged in learning to pursue higher studies.</i>
PEO4	