

Course Code	Course Name	Credits
26CS253	RESEARCH PROJECT	12

Course Description

The BCA Research Project course provides students with an opportunity to conduct in-depth research on advanced computing topics. It focuses on problem identification, literature review, methodology design, implementation, and analysis, helping students develop innovative solutions and gain strong research-oriented skills.

Course Objectives

- ✓ To develop research aptitude and analytical thinking in computing domains.
- ✓ To enable identification and formulation of research problems.
- ✓ To apply advanced tools, techniques, and methodologies.
- ✓ To encourage innovation and exploration of emerging technologies.
- ✓ To enhance technical writing and presentation skills.
- ✓ To promote independent and ethical research practices.

Skill Enhancement Outcomes

- ✓ Selection of research topic and proposal preparation
- ✓ Literature review and problem definition
- ✓ Research methodology design
- ✓ Implementation and experimentation
- ✓ Data analysis and result interpretation
- ✓ Thesis/report writing and documentation
- ✓ Final presentation and viva voce

Course Content and Execution

- ✓ Selection of research topic and proposal preparation
- ✓ Literature review and problem definition
- ✓ Research methodology design
- ✓ Implementation and experimentation
- ✓ Data analysis and result interpretation
- ✓ Thesis/report writing and documentation
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Couse outcomes

Upon completion, students will be able to conduct independent research, analyze complex problems, and develop innovative computing solutions using advanced technologies. They will also demonstrate strong documentation, presentation, and ethical research skills, preparing them for professional and academic research careers.