

BABA FARID COLLEGE OF ENGINEERING & TECHNOLOGY

through

SCHOOL OF SKILL DEVELOPMENT

organizes

FACULTY DEVELOPMENT PROGRAMME

on

PROGRAMMING FUNDAMENTALS

02nd to 07th January, 2017

ABOUT

It is believed that the most important resource of any educational institution is its faculty members, who teach & nurture the students and also prepare them to cater the needs of society and industry. Keeping in sync with this belief Baba Farid College of Engineering & Technology (BFCET) organizes faculty development programme (FDP) in order to deal with rapid changes and shifting paradigms in education. Without such programme, teaching is often reduced to instructors presenting their understanding of the subject by one-way lecturing.

Faculty Development Programme refers to range of activities that helps academicians in improving their professional skills that are vital for carrying out their teaching, research and administration activities such as assessment, designing improved & effective curriculums, assistance to faculty members in getting their research project funded the Government and Corporates, to enhance the ICT skills, to carry out consultancy projects enhancing the institute's climate by educating & transferring of knowledge which involves generation of new ideas & techniques for organizational leadership & mentoring etc.

FDPs are categorized in three ways instructional development, personal development and organizational development. The first one included practice such as curriculum development, teaching diagnosis and training. Personal development generally involved activities to encourage faculty growth, for example enhancement of interpersonal skills, career counseling etc. Organizational development aimed to advance the institutional environment for research and innovation.

Baba Farid College of Engineering & Technology has been always practicing innovating teaching practices to attain its mission of being committed to excellence in education, research and training, use of contemporary participant-centric pedagogies and teaching methods and establishing a presence in emerging segments of technical education sector. In this endeavor BFCET is committed to providing research and teaching skill enhancement programmes for fellow faculty members. This Faculty Development Programme (FDP) is carefully designed to bridge the gap in quality research and teaching skills that are required in contemporary technical education.

OBJECTIVES

- To enable to solve problems of data abstraction in a computer program.
- To design programs according to specifications by creating flow charts, IPO charts and pseudo code.
- To understand concepts of implementing program by writing and testing of the code.
- To learn about the use of sequential, selection and repetition control structures into a program.
- To promote the concept of code reuse in program.

PROGRAMME CONTENTS

- Basic introduction and expression matching
- Programming languages with its use.
- Understand and use pointers in C language
- Programming of structure with array, structure and union
- Difference in structure and union.

EXPECTED OUTCOME

The faculty will be able to:

- Understand and implement linear and non-linear data structures.
- Identify and correct logical errors encountered at run time.
- Declare pointers of different types and use them in defining self-referential structures.
- Learn the use of arrays, pointers and structures to formulate algorithms and programs.

PROGRAMME DURATION

02nd to 07th January, 2017

EVENT COORDINATOR

Er. Sunil Nagpal

Assistant Professor, Computer Science & Engineering

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Bathinda (Punjab) -151001, www.bfcet.com