



1- Day Workshop

Report on Analysis and Design of Algorithms Workshop

Objective:

The main objective of this technical event is to analyze the general technical knowledge of the students regarding algorithms. Students will learn to how to design algorithms for solving the various problems they have studied in their subjects. They will also learn to optimize the solution of a problem. This workshop will help the students to equip the essential skills regarding algorithms design in the future.

Key Points:

- Fundamentals of Mathematics for Computer science
- Introduction to Optimization Problem

Subjects Covered:

- Basic Mathematics for computer Science
- LCS Problem
- Data Compression techniques

- Huffman encoding

Expert:

Amit P Tiwari
Assistant Professor
SRPEC, UNJHA



Workshop Participants:

Total **48 students** have participated in the workshop. Where they have learned to analyze algorithms and design those various program using python language. Also they have learned useful python libraries for machine learning and Data science.