



SHREE DEVI INSTITUTE OF TECHNOLOGY

A UNIT OF SHREE DEVI EDUCATION TRUST(R)

(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Recognised by Govt. of Karnataka)



Criterion 2 – Teaching Learning and Evaluation

Key Indicator: 2.6 Student Performance and Learning Outcomes

2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all programmes offered by the institution are stated and displayed on website

AIRPORT ROAD, KENJAR, MANGALORE, KARNATAKA-574142

Ph: +91 (824) 2254104

Email: sdit_kenjar@rediffmail.com

Website: www.sdit.ac.in

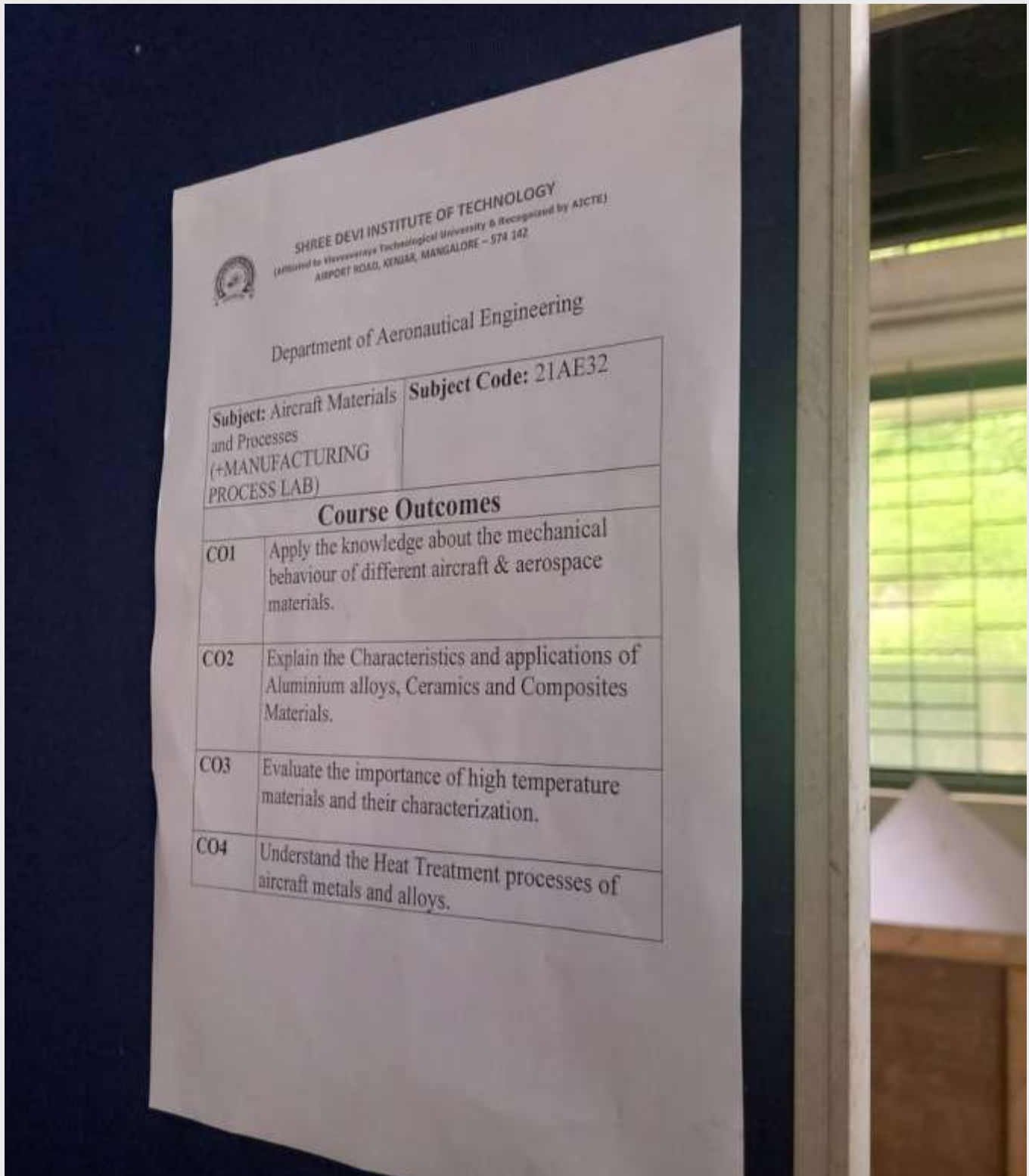


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Course Outcomes (COs) for the programs offered by the institution are stated and displayed in the laboratories. – 25





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Department of Computer Science and Engineering

Course Name	Design and Analysis of Algorithm Laboratory
Course Code	18CSL47
Course Outcomes (Cos): At the end of the course student will be able to:	
CO1	Understand data structures, object oriented concepts like class, object, polymorphism, inheritance and apply those concepts in java programming. Ability to write program using exception handling and multithreading concepts.
CO2	Ability to apply sorting techniques like Quick sort, merge sort using JAVA programming for the given problem statement.
CO3	Ability to understand and apply the dynamic programming methods.
CO4	Design and write program in Java to know all Hamiltonian Cycles in a connected undirected Graph using backtracking technique.





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Department of Civil Engineering

Course Name: Earth Resources and Engineering
Laboratory

Course Code: 21CVL46

Course Outcomes (COs): At the end of the course the student will be able to:

CO1: Identify the minerals, rocks and utilize them effectively in Civil Engineering practices.

CO2: Interpret subsurface information such as thickness of soil, weathered zone, depth of hard rock and saturated zone by using geophysical methods.

CO3: Interpret and understand the geological conditions of the area for implementation of Civil Engineering projects.

CO4: Adapt the techniques in the interpretation of topographical map and LANDSAT Imageries to find out the lineaments and other structural features for the given area.



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Department of Information Science and Engineering

Course Name	DATA STRUCTURES LABORATORY
Course Code	17CSL38
Course Outcomes (Cos): At the end of the course student will be able to:	
CO1	Analyze and Compare various linear and non-linear data structures.
CO2	Demonstrate the working nature of different types of data structures and their applications
CO3	Develop, analyze and evaluate the searching and sorting algorithms
CO4	Choose the appropriate data structure for solving real world problems



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Department of Electronics and Communication
Engineering

Course Name: Communication Lab I
Course Code: 21ECL46

Course Outcomes (COs): At the end of the course the student will be able to:

CO1: Model an analog communication system signal transmission and reception.

CO2: Realize the electronic circuits to perform analog and pulse modulations and demodulations.

CO3: Verify the sampling theorem and relate the signal and its spectrum before and after sampling.

CO4: Understand the process of PCM and Delta modulations.

CO5: Understand the PLL operation.



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Department of Mechanical Engineering

Subject: MATERIALS
TESTING LAB

Subject Code: 18MEL37A

Course Outcomes

CO1	To learn the concept of the preparation of samples to perform characterization such as microstructure, volume fraction of phases and grain size.
CO2	To understand mechanical behavior of various engineering materials by conducting standard tests.
CO3	To learn material failure modes and the different loads causing failure.
CO4	To learn the concepts of improving the mechanical properties of materials by different methods like heat treatment, surface treatment etc.





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Department of Master of Computer Applications

Subject: Data Structures with Algorithms Lab	Subject Code: 22MCAL16
Course Outcomes	
CO1	Implement sorting / searching techniques, and validate input/output for the given problem.
CO2	Implement data structures (namely Stacks, Queues, Circular Queues, Linked Lists, and Trees), its operations and algorithms
CO3	Implement the algorithm to find whether the given graph is connected or not and conclude on the performance of the technique implemented.
CO4	Design and apply appropriate data structures for solving computing problems
CO5	Implement the techniques for evaluating the given expression.