



# COURSE OUTCOME

## Faculty of Engineering

### Computer Science Engg.

#### DATA STRUCTURES AND ALGORITHMS

- For a given algorithm student will able to analyze the algorithms to determine the time and computation complexity and justify the correctness
- For a given Search problem (Linear Search and Binary Search) student will able to implement it.
- For a given problem of Stacks, Queues and linked list student will able to implement it and analyze the same to determine the time and computation complexity

### Electronics and Comm. Engg

#### ANALOG ELECTRONICS LAB

- Design oscillators and amplifiers using operational amplifiers.
- Design filters using Op-amp and perform experiment on frequency response.
- Analyze the working of PLL and use PLL as frequency multiplier

### Mechatronics Engg

#### ANALYTICAL INSTRUMENTATION

- Understand various techniques and methods of Spectral analysis.
- Apply the knowledge of Chromotography to separate the constituents from a complex mixture..
- Get adequate knowledge about Gas sensor and pollution monitoring instruments

### ME Power Systems

#### POWER SYSTEM DYNAMICS

- Learners will be able to understand on dynamic modeling of synchronous machine
- Learners will be able to understand the modeling of excitation system
- Learners will attain knowledge of modeling of HVDC system
- Learners will attain knowledge of modeling of FACTS controller system



श्रीचन्द्रशेखरेन्द्रसरस्वतीविश्वमहाविद्यालयः  
(विश्वविद्यालयानुदानवोगस्य १९५६ विधे: तृतीयविधिमनुसृत्य मानितविश्वविद्यालयत्वेन प्रकटीकृतः)

**SRI CHANDRASEKHARENDRASARASWATHI VISWA MAHAVIDYALAYA**  
**(SCSMV)**

(Deemed to be University u/s 3 of the UGC Act 1956)  
(Accredited with 'A' Grade by NAAC)  
Enathur, Kanchipuram - 631 561.



## Faculty of Science

Department of  
Chemistry

**Bachelor of Science - Chemistry**  
**General Chemistry-I**

- Understanding on classification and properties of elements
- Knowledge on various types of chemical bonding.
- Understanding on properties of gaseous molecules.
- Skills on designing and synthesis of aromatic compounds

Department of  
Chemistry

**Masters of Science - Chemistry**  
**Crystalline State and Inorganic Clusters**

- Understand the concept of properties of solids and internal structure of the crystals.
- Identify the packing of atoms and concept of spinels structure.
- Understanding various types of defects in solids and applications of band theory.
- Study the magnetic properties and applications of solids.

Department of  
Mathematics

**Masters of Science - Mathematics**  
**Complex Analysis**

- Understand the stronger implications of differentiability for complex function.
- Use the Cauchy's Theorem, and Cauchy's integral formulae to solve problems.
- Develop Taylor's and Laurent Series.
- Find the residues and integrals using the residue theorem.
- Use theorems and its results correctly to solve problems