**Proposal for New Course**

**1. Course code and Title** : **CY1020: Thermodynamics, Kinetics and Organic Reactions**

**2.** **Course category** :

**3.** **Course credit** : (L-T-P-C)

**4. Prerequisite course** :

**5. Consent of Teacher** : Required/Not required

**6. Learning Objectives:**

**7. Learning Outcomes:** At the end of the course,the students should be able to

(i)learn breadth of the concepts of physical and organic chemistry.

(ii) describe the thermodynamic properties of pure substance and mixtures

(iii) evaluate equilibrium and kinetics

(iii) explain the reactivity and stability of organic molecules,

(iv) describe mechanisms for aromatic organic reactions, pericyclic reactions,

(v) design and synthesize aromatic compounds, and

(vi) characterize organic systems using spectroscopic techniques.

**8. Course content:**

**9. Text books:**



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Proposing Faculty : Dr.

Department / Centre : Chemistry

Proposal Type : Revised

Programme : B.Tech