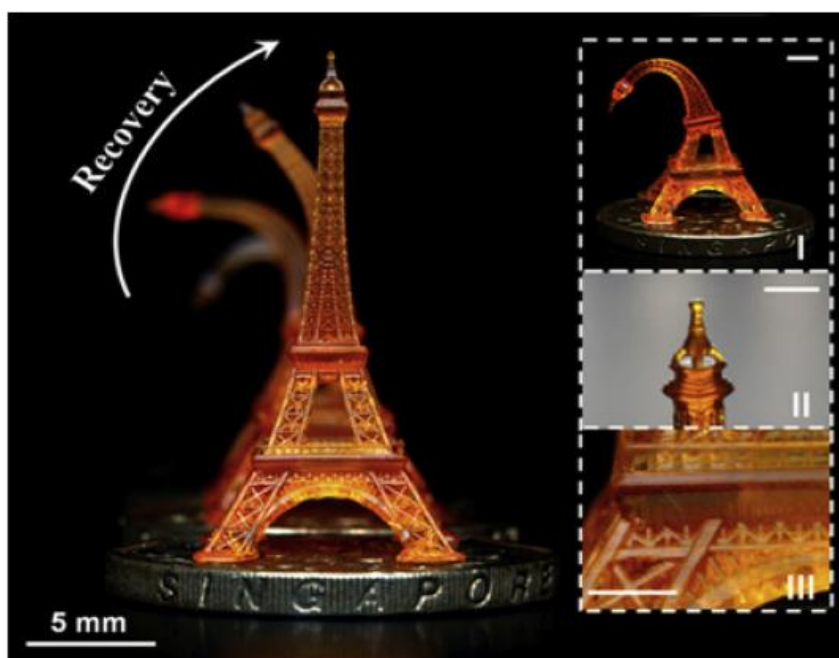
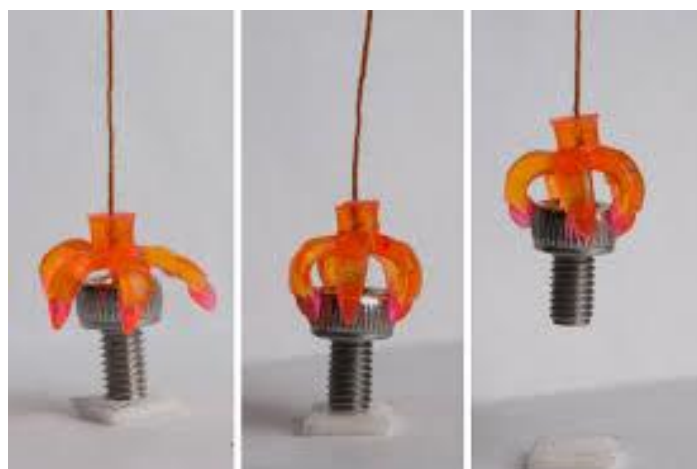


**Department of Chemistry, FMPS
offers a Value Added Course on
“Emerging Intelligent Polymer Materials: From
Science to Industrial Applications”**



**Duration of the Course:
30 hours
Time: 2.30 pm to 5.30 pm
Venue: C302, RTC, RUAS**

**For Online Participants: Classes
will be conducted through
Microsoft Teams Platform,
participants can join from
computer, tablet or smartphone
and day wise link will be shared to
the registered participants.**



Department of Chemistry, FMPS

“Emerging Intelligent Polymer Materials: From Science to Industrial Applications”

Objective of the Course: To provide comprehensive knowledge on the latest advancements in intelligent polymer materials, bridging the gap between scientific research and industrial applications. It targets UG, PG, and research scholars from chemistry and other related departments, offering a multidisciplinary approach.

Outcomes: At the end of this course, the participants can understand the synthesis, physical and chemical properties and potential applications of intelligent polymers that are of industrial applications. .

Resource Persons:

Dr. Rashmi B. J, Asst. Prof. RUAS

Dr. Sheetal R Batakurki, Asst. Prof. RUAS

Dr. Prashantha Kalappa, Prof & Dean, Adichunchanagiri University

For Further details Contact:

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“Emerging Intelligent Polymer Materials: From Science to Industrial Applications”

Course Contents:

28.06.24	Introduction to Intelligent Polymer Materials
03.07.24	Types of Intelligent Polymer Materials
05.07.24	Material synthesis of Shape-memory polymers and Self-healing polymers
10.07.24	Functional properties of Shape-memory polymers and Self-healing polymers
12.07.24	Various strategies to improve shape recovery stress and mechanical properties
17.07.24	Characterizations and material-structure-property relationship.
19.07.24	Applications of shape memory polymers/composites
24.07.24	Theory and Principles Involved in Piezoelectricity.
26.07.24	3D printing of multifunctional smart polymers and their applications
31.07.24	Future directions and potential challenges Assessment and Feedback



For Further details Contact:
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