

**RAYAT SHIKSHAN SANSTHA'S
MAHATMA PHULE ARTS, SCIENCE AND COMMERCE
COLLEGE, PANVEL, DIST-RAIGAD
DEPARTMENT OF CHEMISTRY**

**LIST OF MINOR RESEARCH PROJECTS TO BE
CONDUCTED UNDER DBT STAR COLLEGE SCHEME**

Title of Research Project	Expected Outcomes	Class
Analysis of Water Quality Variables from Water Bodies of Navi Mumbai	<ul style="list-style-type: none"> ➤ Awareness about water pollutants ➤ Skills in Instruments handling 	F.Y.B.Sc.
Green Synthesis of Heterocyclic scaffolds for their biological evaluation	<ul style="list-style-type: none"> ➤ Awareness about Green Principles in Organic synthesis 	S.Y.B.Sc.
Estimation of various chemical constituents of regional seasonal fruits	<ul style="list-style-type: none"> ➤ Knowledge of food Chemistry 	
Synthesis & Characterization of nano-materials from single precursor	<ul style="list-style-type: none"> ➤ Knowledge of nano scale material ➤ Skills in Instruments handling 	T.Y.B.Sc.
Extraction of chemical constituents from Medicinal Plants	<ul style="list-style-type: none"> ➤ Skill of extraction of chemicals ➤ Chemical constituents present in medicinal plants 	
Preparation, characterization and antimicrobial activity of mixed ligand complexes.	<ul style="list-style-type: none"> ➤ Skills in spectroscopic methods ➤ Information about Biological activity 	