

**SRIRAM ENGINEERING COLLEGE**  
**DEPARTMENT OF CHEMICAL ENGINEERING**  
**BEST PROJECTS OF THE STUDENTS**

<b>S.NO</b>	<b>TITLE OF THE PROJECT</b>	<b>YEAR</b>	<b>CONTRIBUTION/OUTCOME/SOCIAL/RELEVANCE</b>
1	Simulation cum Analysis of Bio diesel Production from Biomass Sources	2021 - 2022	Large scale Biodiesel Manufacturing using Aspen Process Simulator
2	Study of the Drug Lafutidine and its Expiration Date	2021 - 2022	Studied the storage and stability of the drug Lafutidine
3	Design of Heat Exchanger and condenser for next generation nuclear power plant	2020 - 2021	Design of the compact Heat-Exchanger for the very high temperature reactor with emphasis on production of both Electricity and H <sub>2</sub>
4	Adsorption of Chromium (VI) from Tannery Waste Water using Natural Adsorbents	2020 - 2021	Adsorption process using natural adsorbents like Moringa seed
5	Bio fabrication of silver Nanoclusters from Residual Biomass of spirulina platensis, Its detection of cysteine and scale up	2019 -2020	National Institute of Technology (Trichy) – Novel silver nano clusters synthesis in extraction applications.
6	Study and minimize the energy consumption in the air conditioning system by maintaining appropriate level of water quality	2019 -2020	CMRL(Chennai Metro Rail)-Energy consumption and water quality monitoring
7	Synthesis of CuO and Cu <sub>2</sub> O nanomaterial for biological applications	2018 - 2019	University of Hyderabad – Synthesis of nano material for biological applications.
8	Oil storage tank and flare system	2018 - 2019	Petrokens Engineering and services Pvt Ltd-Design using novel software in commissioning a plant set up.