

## B.Tech. CHEMICAL ENGINEERING

Chemical Engineering is a branch of engineering that applies physical sciences (physics and chemistry), life sciences (microbiology and biochemistry), together with applied mathematics and economics to produce, transform, transport, and properly use chemicals, materials and energy. A chemical engineer designs large-scale processes that convert chemicals, raw materials, living cells, microorganisms and energy into useful forms and products that serve the society.

Designing, Manufacturing and Optimization are the three keywords of Chemical engineering. Worldwide, Chemical Industries depend on the synthesis and processing of chemicals and materials – chemical engineering – for their existence. Chemical Engineering techniques are used for the production of usable, high quality products such as fibres, fabrics, paints, medical drugs, biomaterials, gasoline, lubricants etc used in various industries such as textile, food, plastics, automotive, aerospace, petroleum, oil and gas, biomedical, biotechnology and pharmaceuticals, thereby increasing the scope of Chemical Engineering.

We believe chemical engineering holds the

key to a healthier, cleaner and more efficient world, and a better tomorrow for all. Hence in REC, we prepare and motivate the young minds to excel in the Chemical engineering field by giving the proper classroom teaching and co-scholastic activities like oral and poster presentation and working model development. The students are actively involving in this kind of activities. They participate and some of them are winning the competitions.

The faculty members of the department have good research experience and make the students think of the recent developments in the field which brings down the gap between the text book and recent happenings. The students are given GATE coaching from the second year itself so that they are well trained to take up any competitive examination in the future. The students are taken to the industries regularly so that they are exposed to the industrial atmosphere and hence they understand the concepts clearly. The overall activities of the department make the students well-rounded personalities so that they become proud RECian in the future.

