



CMS COLLEGE OF SCIENCE & COMMERCE
COIMBATORE 641 006

Dept of Biotechnology & Bioinformatics

B.Sc., BIOTECHNOLOGY DEGREE COURSE

Biotechnology is the application of Biochemistry, Microbiology, Genetics and Engineering in an integrated fashion with the goal of using Microorganisms, Cells and Tissue Cultures to manufacture useful products.

PAPERS IN B.Sc BIOTECHNOLOGY (2005-2006 Batch)

I st Year	<u>Semester I:</u> Language I English I Foundation Course A: General Awareness Core Paper I: Biodiversity Core Paper II: Cell Biology Allied Paper I: Chemistry (Organic) Core Practical I: Cell Biology and Microbiology Allied Practical I: Chemistry	<u>Semester II:</u> Language II English II Foundation Course A: General Awareness Core Paper III: Basic Microbiology Allied Paper II: Chemistry (Phy & Inorg) Core Practical I: Cell Biology and Microbiology Allied Practical I: Chemistry
II nd Year	<u>Semester III:</u> Language III English III Foundation Course B: Environmental Education Core Paper IV: Biochemistry Core Paper V: Fundamentals of Genetics Allied Paper III: Biophysics & Biostat Core Practical II: Biochemistry & Molecular Genetics Allied Practical II: Basic Computer Programming	<u>Semester IV:</u> Language IV English IV Foundation Course B: Environmental Education Core Paper VI: Molecular Biology Allied Paper IV: Computer Fundamentals & Biomathematics Core Practical I: Cell Biology and Microbiology Allied Practical II: Basic Computer Programming
III rd Year	<u>Semester V:</u> Core Paper VII: Principles of Immunology Core Paper VIII: Microbial Biotechnology Core Paper IX: Plant Biotechnology Applied Paper I: Introduction to Bioinformatics Applied Paper II: Principles and Applications of Recombinant DNA - I Core Practical III: Applied Biotechnology Core Practical IV: Recombinant DNA Techniques	<u>Semester VI:</u> Core Paper X: Animal Biotechnology Core Paper XI: Environmental Biotechnology Applied Ori.Paper I: Molecular Genetics Applied Ori.Paper II: Principles and Applications of Recombinant DNA - II Core Practical III: Applied Biotechnology Core Practical IV: Recombinant DNA Techniques

ELIGIBILITY: A pass in +2 WITH PHYSICS & CHEMISTRY AS ONE OF THE SUBJECT.

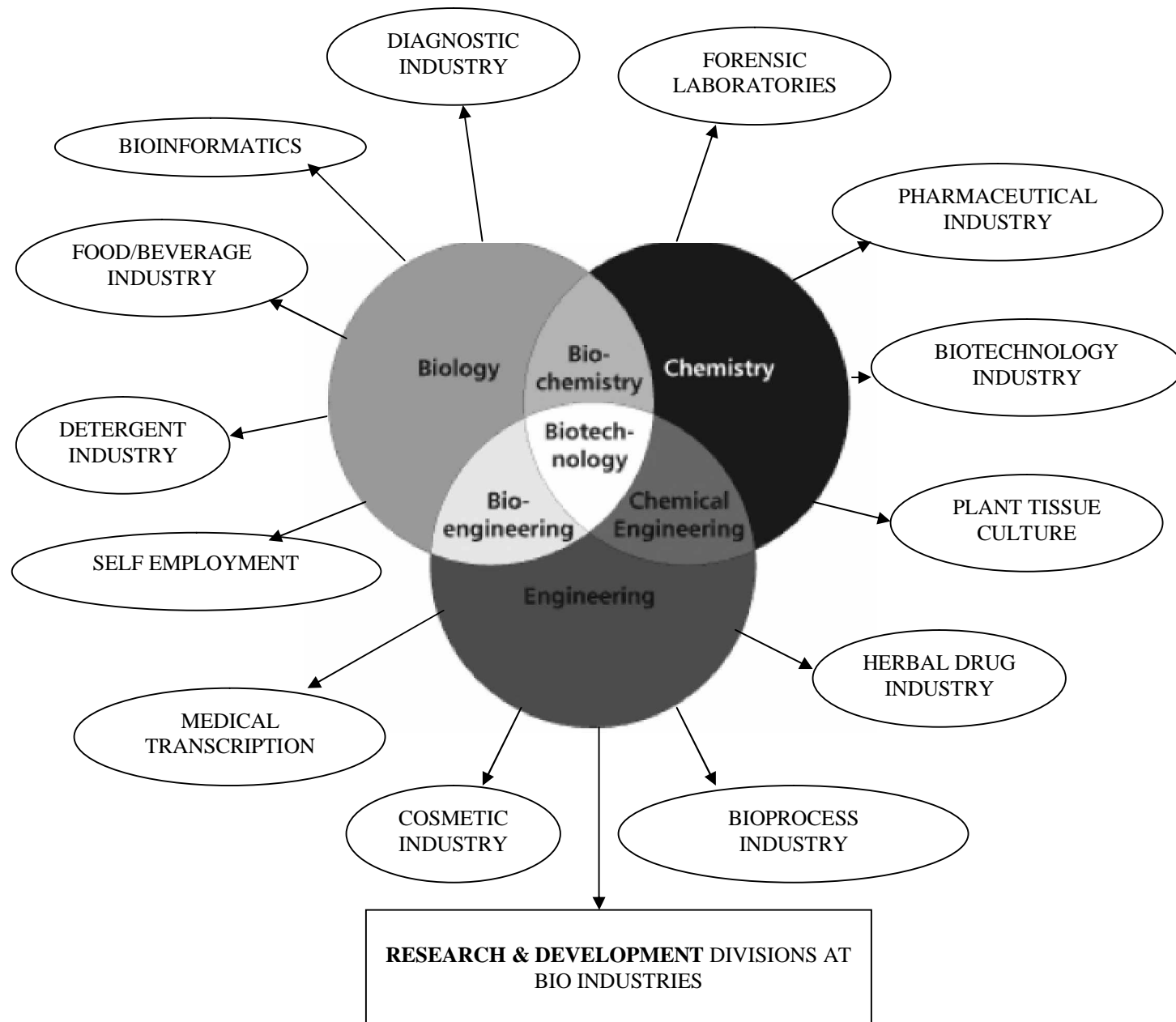
TEACHING METHODOLOGY:

- Taught program consists of Lecture, advanced seminars, directed assignments, participation in science exhibitions, medical/clinical laboratory training, expertise training in Biochemical Techniques and audio visual media assisted instruction.
- **Extra coaching for Weaker students / Tamil Medium / Malayalam medium Students**

PLACEMENT CELL:

* We have a placement cell for B.Sc., Biotechnology, M.Sc., Biotechnology students.

JOB OPPORTUNITIES



SELF EMPLOYMENT

- START YOUR OWN DIAGNOSTIC LAB
- START YOUR OWN BIOTECH / BIOCHEM PRODUCTION UNIT
- START YOUR CAREER AS BIOCHEMICAL MERCHANDISERS