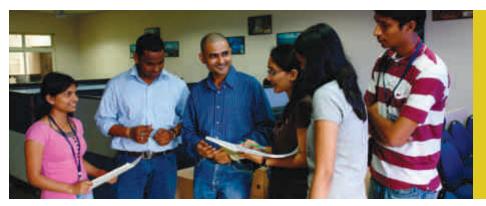
## MBA WITH SPECIALIZATION IN BIOTECHNOLOGY MANAGEMENT

2 years, full-time and residential



### **FOCUS AREAS**

- **▶** Biotech Plant Management
- ► ERP in Biotech Industry
- Biotech Laboratory Management
- ► Entrepreneurship in Biotech
- ► Legal & Ethical Laws
- ► Drug Discovery & Development

"India is emerging as an important destination for biotech development requirement of global companies." Economic Times

Biotech industry made historic progress with strong product pipelines and product successes, record-breaking financing totals, unprecedented deal activity and impressive financial results in the last three years. The global biotech revenues of the public listed companies in 2006 grew to US \$73.5 billion recording a 14% growth over that in 2005 (US \$64 billion). All the leading regions in the world recorded a strong double digit growth, with the US and Europe recording 13 percent growth each and Canada registering 22% growth. Biotech industry in India grew by 37% since the fiscal year 2004-2005. It reached the target of US \$1.50 billion in 2005-2006 and touched 2 billion dollar mark in revenue for 2006-07. In 2007- 2008 industry growth was 20%. It is expected that biotech industry in India will reach the target of US \$5.00 billion by 2010 and generate minimum 100,000 jobs. The changing global economy has created opportunities for the Indian biotech sectors for the joint ventures, mergers and acquisition. Despite the global meltdown, Indian biotech industry continued its progress in the fiscal year 2007-2008 and has been on the progressive tract in the fiscal year 2008-2009. The major sectors of biotech industry demanding for expertise and manpower in the area are molecular biology, biomarker technology, recombinant proteins, industrial biotechnology, nanobiotechnology, biotech IPR issues, biotech regulatory affairs, cGMP, and clinical research management and bio-supply segment. Government and business organizations have been placing emphasis on transfer of technologies from lab to market in biotechnology sector. Management professionals with a technology background can accelerate this process for the benefit of business and commerce at the national and global levels. This advanced postgraduate program equips science and technology students to become management savvy professionals for the biotech industry.

## **ELIGIBILITY**

Bachelors or Masters Degree in Biotechnology and Bioinformatics, in any branch of Life Sciences, Medical Sciences, Pharmaceutical Sciences, Chemical Sciences, Physical Sciences, Engineering and Technology or equivalent (with minimum aggregate 55% marks or equivalent grades).

# MBA WITH SPECIALIZATION IN BIOTECHNOLOGY MANAGEMENT

## **COURSE STRUCTURE**

SEMESTER	CODE	COURSE NAME	CREDITS*
SEMESTER I	MBO-011 MBOI-031 MBOI-032 MBM-008 MBM-003 MBM-005 MBM-006 MBM-007 MBM-001	Overview and New Trends in Biotechnology Bioinstruments and Equipments Biotechnology Laboratory Management Financial Statement Analysis Principles of Management Marketing Management Organizational Behavior Managerial Economics Soft Skills Development-I Total	2 2 2 3 3 3 3 3 3 3 3 24
SEMESTER II	MBO-012 MBO-013 MBOI-033 MBOI-034 MBOI-035 MBMI-001 MBM-016 MBM-010 MBM-002	Biotechnology Plant Management Safety and Hazard Management in Biotechnology Fermentation Technology and Downstream Processing Introduction to Biostatistics Methods for Drug Discovery and Development Enterprise Resource Planning-I Corporate Finance Management Human Resource Management Soft Skills Development-II Total	3 3 3 3 3 3 3 3 3 3 3 27
SEMESTER III	MBOI-036 MBO-014 MBO-015 MBO-016 MBO-017 MBO-018 MBMI-002 MBM-017	Simulations and Optimization in Bioprocess Technology IPR, Regulatory and Ethical Issues in Biotechnology Biotechnology and Pharmaceutical Industry Materials Management in Biotechnology Biotech and Pharmaceutical Product Marketing Project Management Entrepreneurship in Biotechnology Legal Aspects of Business Total	3 3 3 3 3 3 3 2 223
SEMESTER IV	MBOP-009	Internship Total	14 14
Total Credits			88

Delivery of an elective will be subject to availability of domain expert / faculty as well as minimum number of students for that particular elective