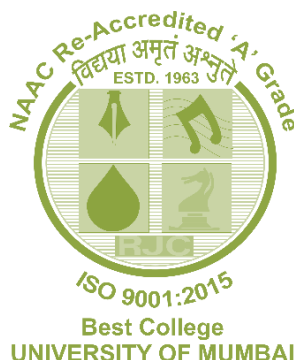


## Mapping of the courses to Employability



Hindi Vidya Prachar Samiti's  
**Ramniranjan Jhunjhunwala**  
**College**  
Of Arts, Science & Commerce  
(Autonomous College)

Affiliated to  
UNIVERSITY OF MUMBAI

## Mapping of the courses to Employability

**Program: M.Sc. BIOTECHNOLOGY**  
**Program Code: RJSPBT**  
(CBCS 2020-2021)

## Mapping of the courses to Employability

### Mapping of the courses to Employability / Entrepreneurship / Skill Development

#### Name of the Program M.Sc. Biotechnology

Class	Course Name	Course Code	Topic focusing on Employability/ Entrepreneurship/ skill development	Employability / Entrepreneurship / Skill development
M.Sc. I Biotech	Biochemistry	RJSPBT101	Protein Biochemistry, Physiological biochemistry, Neurobiology	Skill development, Employability in R&D, QA/QC, and Food industry
	Immunology I	RJSPBT102	Clinical immunology	Skill development, employability in R&D, Pathology lab, sales and marketing and QA/QC, and Entrepreneurship
	Genomics	RJSPBT103	Genome sequencing; Genome mapping, editing	Skill development, employability in R & D, pharmaceutical industry
	Biophysics	RJSPBT104	Microscopy, Spectroscopy, Mass spectrometry, XRD	Skill development, Employability in R&D, Pathology lab, sales and marketing and QA/QC, and Entrepreneurship
	Practical of	RJSPBTP101 RJSPBTP102		Experimental skills Observational skills Analytical skills Interpretation skills Experiment Planning and execution skills Writing skills

## Mapping of the courses to Employability

Class	Course Code	Course Name	Topic focusing on Employability/ Entrepreneurship/ skill development	Employability/Entrepreneurship/Skill development
M.Sc. I Biotech	Metabolism	RJSPBT201	Amino acids and nucleotides metabolism Lipoproteins, Protein folding, Plant and microbial metabolism	Skill development and Employability in Pathology laboratory, R & D, QA/QC and Pharma industry.
	Immunology II	RJSPBT202	Autoimmunity, Transplantation immunology, animal models in immunological studies and cell imaging	Skill development, Employability in Pathology laboratory, R & D, sales, marketing and Entrepreneurship
	Bioprocess technology	RJSPBT203	Fermentation process and down- stream processing	Skill development, Employability in food processing industry, QA/QC, R&D.
	IPR & Biosafety	RJSPBT204	Patents, Trademarks, Copyrights, Geographical indications and Patent database	Skill development, Employability in Intellectual property
	Practical of	RJSPBTP201, RJSPBTP202		Experimental skills Observational skills Analytical skills Interpretation skills Experiment Planning and execution skills Writing skills

## Mapping of the courses to Employability

Class	Course Code	Course Name	Topic focusing on Employability/ Entrepreneurship/ skill development	Employability/Entrepreneurship/ Skill development
M.Sc. II Biotech	Plant and animal tissue culture	RJSPBT301	Techniques in ATC and PTC	Skill development, Employability in R&D, Pathology lab, sales and marketing and QA/QC, and Entrepreneurship
	Medical microbiology	RJSPBT302	Infections caused by viruses, bacteria, fungi and protozoa.	Skill development in understanding of epidemiology, virulence factors Employability in Diagnostics field
	GMO and environment	RJSPBT303	GMOs, Bioremediation	Skill development, employability in environmental sciences fields and Entrepreneurship
	Developmental Biology	RJSPBT304	Contraceptives and Infertility, Assisted reproductive technology	Skill development, Employability Employability in IVF Centres, Genetic counselling, Pathology lab and R&D
	Practical of	RJSPBTP301 RJSPBTP302		Experimental skills Observational skills Analytical skills Interpretation skills Experiment Planning and execution skills Writing skills

## Mapping of the courses to Employability

Class	Course Code	Course Name	Topic focusing on Employability/ Entrepreneurship/ skill development	Employability/Entrepreneurship/Skill development
M.Sc. II Biotech	Nanotechnology	RJSPBT401	Biosynthesis and characterization of nanoparticles	Skill development in nanomaterials and Employability in sales and marketing, R & D, QA/QC and Pharma industry.
	Clinical studies	RJSPBT402	Medical writing, clinical trials study	Skill development, Employability in Pathology laboratory, R & D and epidemiology
	Bioinformatics	RJSPBT403	Use of various bioinformatic tools	Skill development, Employability in R&D and Bioinformatics
	Biostatistics	RJSPBT404	Use of various biostatistics tools	Skill development, Employability in Pathology laboratory, R & D and epidemiology
	Practical of	RJSPBTP401, RJSPBTP402		Experimental skills Observational skills Analytical skills Interpretation skills Experiment Planning and execution skills Writing skills