



**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND  
COMMERCE, SAINIKPURI, SECUNDERABAD.**

Autonomous College  
Affiliated to OSMANIA UNIVERSITY, Hyderabad.  
(Accredited with 'A' grade by NAAC)  
Department of Genetics, Biotechnology and Botany  
Subject: Biotechnology (Optional)  
(BSc. Life Sciences)  
Syllabus Draft 2015-2016.

Classes: I year, II year and III year.

YEAR	SEMESTER	PAPER	CLASSES PER WEEK		CLASSES PER SEMESTER		CREDITS
			THEORY	PRACTICALS	THEORY	PRACTICALS	
I	I	I: Cell Biology and Genetics	4	2	60	30	5
	II	II: Nucleic Acids, Biostatistics and Bioinformatics	4	2	60	30	5
II	III	III: Biochemistry	4	2	60	30	5
	IV	IV: Microbiology and Biophysical Techniques	4	2	60	30	5
III	V	V: Molecular Biology	3	2	45	30	4
		VI: Animal and Plant of Biotechnology	3	2	45	30	4
	VI	VII: Genetic Engineering and Immunology	3	2	45	30	4
		VIII: Industrial and Environmental Biotechnology	3	2	45	30	4
<b>TOTAL</b>			<b>28</b>	<b>16</b>	<b>420</b>	<b>240</b>	<b>36</b>

*[Signature]*

Head of The Department  
Dept. of Botany, Genetics & Biotechnology  
BVC, Sainikpuri