



**Dr.N.G.P. ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**  
Approved by Government of Tamil Nadu & Affiliated to Bharathiar University  
Re-Accredited by NAAC with 'A' Grade | DBT Star College | DST-FIST  
Dr. N.G.P. - Kalapatti Road, Coimbatore - 641048

### MINUTES OF SEVENTH BOARD OF STUDIES (BoS) MEETING

The Meeting of Board of Studies (BoS) was held as given below

Name of the Body	Board of Studies (BoS)
Department	BIOTECHNOLOGY
Meeting No.	7
Date & Time	08.04.2019 09.00 a.m.
Venue	Instrumentation Room (B-1213), Department of Biotechnology
Members attended	The details are given in ANNEXURE - I

#### AGENDA

1.	Discussion on Curriculum Design and Syllabus of Semester I for B.Sc. in Biotechnology Batch: 2019-20
2.	Discussion on Curriculum Design and Syllabus of Semester I for M.Sc. in Biotechnology Batch: 2019-20
3.	Discussion on the Syllabus of Semester IV for B.Sc. in Biotechnology Batch: 2018-19
4.	Discussion on the Syllabus of Semester IV for M.Sc. in Biotechnology Batch: 2018-19
5.	Discussion on the Certificate courses to be offered from 2019-20 onwards
	Any other matters

## MINUTES OF BOARD OF STUDIES (BoS) 2019-20

The chairman of BoS welcomed all the panel members for the meeting. The items listed in the agenda were taken for discussion.

The minutes of the meeting is as follows:

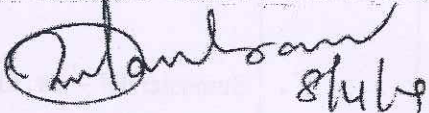
<b>Item 1:</b>	<b>Curriculum Design and Syllabus of Semester I for B.Sc. in Biotechnology Batch: 2019- 20</b>
<b>Discussion</b>	<p>The curriculum was submitted to BoS meeting. The following suggestions were given by the members of board:</p> <p>I Semester –Dr. Geetha, Subject expert suggested to give <b>Cell Biology and Biodiversity</b> as Core papers and <b>Chemistry</b> paper as <b>IDC I</b>.</p> <p>II Semester –Dr. Girija, VC Nominee recommended offering <b>Molecular Biology and Microbiology</b>. Dr. Harisaranraj, Industrial expert suggested <b>Computer for Biologist</b> as <b>IDC II</b>.</p> <p>III Semester – Dr. Girija suggested offering <b>Genetics and Biochemistry</b>, and <b>Mathematics</b> as <b>EDC III</b>. Dr. Geetha suggested giving <b>Personality Development as Skill Enhancement Course I</b> to strengthen the Students personality as discussed in PTA.</p> <p>IV Semester – Dr. Girija recommended giving <b>Immunology and Bioinformatics</b> as Core theory and <b>Biophysics</b> as <b>EDC IV</b>. Dr. Harisaranraj suggested having <b>Biotechniques</b> as <b>Skill Enhancement Course II</b>.</p> <p>V Semester – Dr. Geetha recommended incorporating <b>Recombinant DNA Technology, Bioprocess Technology &amp; Plant and Animal Biotechnology</b> as core papers. Dr. Harisaranraj suggested offering <b>Entrepreneurial Biotechnology</b> as <b>Skill Enhancement Course III</b>.</p> <p>VI Semester – Dr. Girija suggested providing <b>Bioprospecting, Environmental Biotechnology and Bionanotechnology</b> as Core papers. Dr. Geetha suggested having <b>Pharmaceutical Biotechnology</b> as <b>Skill Enhancement Course IV</b>.</p> <p>Dr. Girija and Dr. Geetha suggested providing <b>Clinical Trials, Biomaterials, Food Biotechnology, Genomics, Bioethics &amp; Biosafety, Drug Design &amp; Delivery</b>,</p>

	<p><b>Proteomics, Biomarker Technology, Stem Cell Biology</b> as electives in V and VI Semesters.</p> <p>The Syllabus Contents for the first semester were also discussed unit wise.</p>
<b>Resolution</b>	The BoS unanimously resolved to incorporate the suggestions
<b>Item 2:</b>	<b>Discussion on Curriculum Design and Syllabus of Semester I for M.Sc. in Biotechnology Batch: 2019– 20</b>
<b>Discussion</b>	<p>Semester I – Dr. Geetha recommended providing <b>Molecular Biology &amp; Genetics, Biochemistry, Microbiology and Bioanalytical Techniques</b> as Core papers to equip the students about the working principle of Instruments for better job opportunities.</p> <p>Semester II – Dr. Girija suggested offering <b>Immunotechnology, Genetic Engineering, Bioprocess Technology and Biodiversity &amp; Bioprospecting</b> as Core papers.</p> <p>Semester III – Dr. Geetha and Dr. Girija suggested <b>Plant &amp; Animal Biotechnology, Environmental Biotechnology, Genomics &amp; Proteomics and Research Methodology &amp; IPR</b> as Core papers.</p> <p>Semester IV – Dr. Harisaranraj suggested offering <b>Pharmaceutical Biotechnology</b> as Core paper.</p> <p>All the expert members suggested offering <b>Protein Engineering, Forensic Biotechnology, Molecular Therapeutics and Stem Cell Technology</b> as Elective in Semesters I –IV</p> <p>The Syllabus Contents for the first semester were discussed unit wise</p>
<b>Resolution</b>	The BoS collectively determined to incorporate the suggestions.
<b>Item 3:</b>	<b>Discussion on the Syllabus of Semester IV for B.Sc. in Biotechnology Batch: 2018– 19</b>
<b>Discussion</b>	The Syllabus content of <b>Immunology, Molecular Techniques and Apiculture</b> papers were discussed and no changes were recommended in the syllabus
<b>Resolution</b>	The BOS unanimously accepted to implement the same
<b>Item 4:</b>	<b>Discussion on the Syllabus of Semester IV for M.Sc. in Biotechnology Batch: 2018– 19</b>
<b>Discussion</b>	The syllabus content of <b>Pharmaceutical Biotechnology and Stem Cell Technology</b>

	papers were discussed and no changes were recommended in the syllabus
<b>Resolution</b>	Member of board resolved to implement the same
<b>Item 5:</b>	<b>Certificate Course To be Consider from 2019-20 onwards</b>
<b>Discussion</b>	Members Suggested to consider following courses as certificate courses: <ul style="list-style-type: none"> <li>• Plant Tissue Culture</li> <li>• Phytochemistry</li> <li>• Protein Purification and Characterization Techniques</li> </ul>
<b>Resolution</b>	The BoS unanimously resolved to incorporate the courses suggested.

The Chairman of Board of Studies (BoS) thanked all the members for their active participation and cordially invited them for the next meeting.

Date: 08.04.2019

  
 (Dr. P. CHIDAMBARA RAJAN)  
 Chairman  
 BoS - BIOTECHNOLOGY  
 HEAD, DEPT. OF BIOTECHNOLOGY  
 DR. N.G.P. ARTS & SCIENCE COLLEGE  
 COIMBATORE

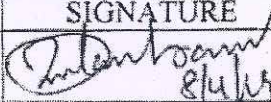
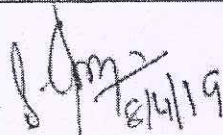
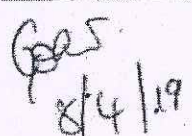
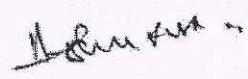

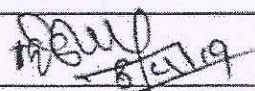
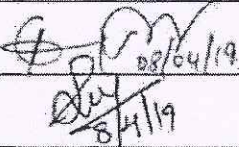
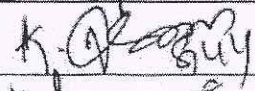

**DR. N.G.P. ARTS AND SCIENCE COLLEGE (AUTONOMOUS)**  
**FACULTY OF BIOSCIENCES**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**BOARD OF STUDIES MEETING**

**VENUE :** BIOTECHNOLOGY INSTRUMENTATION ROOM (B-1213)

**DATE :** 08/04/2019

**TIME :** 10:00 AM

The following members were present for the Board of Studies meeting

S. NO.	NAME	POSITION	SIGNATURE
1.	Dr. P.Chidambararajan Professor and Head	Chairman	 8/4/19
2.	Dr. S. Girija Associate Professor Department of Biotechnology Bharathiar University, Coimbatore 46	Member (Subject Expert) (Nominated by Vice Chancellor)	 8/4/19
3.	Dr. G.N. Hariharan Director - Biotechnology M.S. Swaminathan Research Foundation, Chennai	Member (Subject Expert) (Nominated by Academic Council)	ABSENT
4.	Dr. Geetha. N Assistant Professor Department of Studies in Biotechnology University of Mysore, Mysuru	Member (Subject Expert) (Nominated by Academic Council)	 8/4/19
5.	Dr. R. Harisaranraj Production Manager In southern Agro Products Limited Bangalore	Member (Industrial expert)	
6.	Dr. R. Prasannavenkatesh Research Associate State Climate Change Cell Department of Environment Government of Tamilnadu, Chennai	Alumni	ABSENT
7.	Mr. Vishnu B - III B.Sc Biotechnology	Student Representatives	 V. Harish.
	Ms. Harsini V - II M.Sc Biotechnology		
8.	Part I (Four Semester Language)	Co-opted members	 8/4/19
9.	Part II (Four Semester Language)		
10.	Allied		
11.	Mr. Arun. P Assistant Professor (SG)	Member	 8/4/19
12.	Dr. K. Arungandhi Associate Professor	Member	
13.	Mrs. M. Shanmugavadivu Assistant Professor	Member	 8/4/19