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## DEPARTMENT OF BIOTECHNOLOGY(UG)

### MINUTES OF THE MEETINGS (ALL MEETINGS OF COMMITTEES/DEPARTMENTS)

A meeting of the Board of Study in Biotechnology (UG) was held on 10<sup>th</sup> February 2023 at 10.00 a.m. in the Conference Hall (Arrupe Block), as well as on hybrid mode on Zoom platform St Aloysius College (Autonomous), Mangalore-575003, to discuss the following agenda:

1. Introductory remarks and welcome speech
2. Implementation of V<sup>th</sup> semester syllabus as per NEP.
3. Any other matter

#### Members present:

Sl. No	Name	Role	Signature
1.	Mr. Sreejesh P C	Chairman	
2.	Dr. Renita Maria D'Souza	Member	
3.	Dr. T. S. Keshava Prasad Professor and Deputy Director, Yenepoya Deemed to be University, Mangaluru.	Subject Expert	
4.	Dr. Smitha Hegde Professor and Deputy Director, Nitte University, Mangaluru.	Subject Expert	
5.	Dr. Chandra. M Professor & Chairperson, Department of Biosciences, Mangalore University	Vice Chancellor's nominee	Present Online
6.	Mr Rohan Shetty Senior Scientist II, Thermo Fisher Scientific, Bengaluru, Karnataka.	Representative from Industry	Present online
7.	Mrs. Bhagya Lakshmi	Meritorious Alumnus	
8.	Dr Ninaad Lasrado Postdoctoral Research Fellow and Virology Group Manager, Harvard Medical School, Boston, USA.	Special Invitee (International member)	Present online
9.	Dr Prveen Kumar M. K Manager, Quality Control, Molbio Diagnostics Private Limited, Goa.	Special Invitees (Representative form Industry)	Present online
10.	Dr Shreelaitha Suvarna, Head, Dept. of PG Studies and Research in Biotechnology, St Aloysius College (Autonomous), Mangalore.	Special Invitees	
11.	Nidhi Shenoy BSc BtCZ	Student Representative	

<p>Mr Sreejesh P C., the Chairman, BOS in Biotechnology presided over the meeting.</p> <p><b>Eleven members attended the meeting.</b></p> <p><b>The meeting started with a silent prayer.</b></p> <p>The Chairman accorded a warm welcome to all the esteemed members of BoS and introduced the new members.</p>	
<b>Agenda 1:</b>	To record the proceedings of 18 th BoS meeting held on 10 <sup>th</sup> February 2023 and the action taken report.
<p>The proceedings of previous meeting were presented the house by the chairman.</p> <p><b>Resolution: Approved.</b></p>	
<b>Agenda 2:</b>	<b>To consider and approve the course structure and PO'S</b>
<p><b>Resolution:</b> RESOLVED TO APPROVE the course structure for BSc Biotechnology under NEP scheme. The PO's and CO's were modified as per the suggestions of the board members and approved.</p> <p><b>Action taken Report: Implemented.</b></p>	
<b>Agenda 3:</b>	<b>To consider and approve the syllabus for semester V and &amp; VI</b>
<p><b>Resolution:</b> The committee has approved the proposed syllabus for semester V and &amp; VI with minor modifications.</p> <ul style="list-style-type: none"> <li>• The course content of G 511 DC 1.5 Genetic Engineering was discussed and revised. The following topics were added CRISPR cas -9 and its applications, more expression vectors . Add PCR, types and application in Unit III.</li> <li>• The course content for Semester V, Plant and Animal Biotechnology(G 511 DC 3.5) was discussed and modified. The following topics are updated -CPCSEA guidelines, , ethical regulation of transgenic technology.</li> <li>• The proposed syllabus for semester VI was approved with minor modification.</li> <li>• Immunology (G 511 DC 1.6). Following changes are incorporated, topic such as neutralizing and non-neutralizing antibodies, under vaccines the DNA vaccines, mRNA vaccines are included.</li> <li>• Bioprocess and Environmental Biotechnology (G 511 DC 3.6): Topics such as black soldier fly and vermicomposting are incorporated</li> <li>• The mapping of the Program Outcomes (POs) and Course Outcomes (COs) has been conducted and incorporated into the syllabus.</li> <li>• Edition of textbook and reference books were updated wherever applicable.</li> </ul> <p><b>Action taken Report: Implemented.</b></p>	

The BoS members had a brainstorming discussion and interaction among themselves regarding each course in the curriculum.

After discussion, fruitful suggestions were incorporated appropriately in the curriculum of BSc Biotechnology NEP syllabus. Based on the suggestions given by the members, BOS resolved to recommend the Programme structure and syllabus to the Academic Council for further approval.

Mrs. Renita Maria D'Souza, Associate Professor Department of Biotechnology, thanked all the members for their kind cooperation and the meeting came to an end.

  
Head  
Department of Bio-Technology  
St. Aloysius College, Mangalore - 3

(Signed by the Chair- BOS with the seal)