



## Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)  
Approved by Government of Tamil Nadu & Accredited by NAAC with 'A' Grade (2<sup>nd</sup> Cycle)  
Dr. N.G.P.-Kalapatti Road, Coimbatore-641 048, Tamil Nadu, India.  
Website: www.drngpasc.ac.in | Email: info@drngpasc.ac.in. | Phone: +91-422-2369100

BoS

9<sup>th</sup>

### MINUTES OF THE NINTH BOARD OF STUDIES MEETING

Faculty: Biosciences

Board: Microbiology

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

Name of the Body	BoS
Department	Microbiology
Meeting No.	9
Date and Time	16.05.2020, 10.00 a.m.
Venue	Webinar - Google meet - <a href="https://meet.google.com/vnu-vfcs-cxw">meet.google.com/vnu-vfcs-cxw</a>
Members Attended	The details are given in the ANNEXURE -I

#### AGENDA

1	Discussion on curriculum design & I Semester Syllabus for B. Sc. Microbiology Batch: 2020-21.
2	Discussion on curriculum design & I Semester Syllabus for M. Sc. Microbiology Batch: 2020-21.
3	Discussion on III Semester Syllabus B.Sc. Microbiology: Batch 2019-20
4	Discussion on III Semester Syllabus M.Sc. Microbiology: Batch 2019-20
5	Discussion on Certificate courses to be considered from 2020-21 onwards
6	Discussion on Job oriented Certificate Programmes linked with industry
7	Any other matters





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### MINUTES OF THE NINTH BOARD OF STUDIES MEETING

Faculty: Biosciences

Board: Microbiology

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

The following are the minutes of the meeting:

Item – 01	<b>Discussion on curriculum design &amp; I Semester Syllabus for B. Sc. Microbiology Batch: 2020-21.</b>
Discussion	<p>The board has discussed the curriculum design &amp; I Semester Syllabus for B. Sc. Microbiology in detail and the courses for I semester as followed.</p> <p>193MB1A1CA – Core I – General Microbiology 193MB1A1CP – Core Practical I – General Microbiology 203CL1A1IA – IDC I – Biochemistry 203CL1A1IP – IDC Practical I - Biochemistry</p> <p>The following suggestions were proposed:</p> <p><b>193MB1A1CP – Core Practical I – General Microbiology</b></p> <p>The board members suggested to have the following experiments under DBT Star College scheme</p> <ol style="list-style-type: none"><li>1. Slide culture technique</li><li>2. Preservation of bacterial cultures – Mineral oil overlay method</li></ol> <p><b>194CS1A3IA: IDC III – Biological Computing</b></p> <p>Dr.Balagurunathan suggested to change the IDC III Basics of Computer into Advanced Computing course.</p> <p>Dr.Muthusamy has recommended including Introduction of Biological databases in the syllabus.</p>
Resolution	The BoS unanimously resolved and approved the curriculum and syllabus.
Item – 02	<b>Discussion on curriculum design &amp; I Semester Syllabus for M. Sc. Microbiology Batch: 2020-21.</b>

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<b>Discussion</b>	<p>The curriculum design &amp; I Semester Syllabus for M. Sc. Microbiology were discussed in the board and the courses as followed:</p> <p>193MB2A1CA – Core I – Principles of Microbiology 193MB2A1CB – Core II – Bacterial Diversity and Metabolism 193MB2A1CC – Core III – Bioinstrumentation 193MB2A1CD – Core IV – Mycology and Phycology 193MB2A1CE – Core V – Comprehensive Biology 193MB2A1CP – Core Practical I 193MB2A1DA – DSE I – Microbial Nanotechnology 193BC2A1DA – DSE I – Cancer Biology, Diagnosis and Therapy 203BT2A1DA – DSE I – Forensic Biotechnology</p> <p>Dr. Balagurunathan suggested giving more hours for project. The board recommended offering Research Methodology course in third semester.</p>
<b>Resolution</b>	<p>The BoS unanimously resolved and approved the above recommendations.</p>
<b>Item – 03</b>	<b>Discussion on III Semester Syllabus B.Sc. Microbiology: Batch 2019-20</b>
<b>Discussion</b>	<p>As per the scheme recommended by the Board the <b>Courses</b> in third semester as followed:</p> <p>193MB1A3CA – Core III – Microbial Physiology 193MB1A3CP – Core Practical III 194CS1A3IA – IDC III – Biological Computing 193MB1A3SA – SEC I – Culture Collection and Preservation Techniques</p> <p>The following suggestions were proposed.</p> <p><b>193MB1A3CA – Core III - Microbial Physiology.</b></p> <p>Dr. Balagurunathan suggested to introduce the current topics as Myxobacterium, Stress physiology on bacterial adaptations, Ion transport (Siderophores) etc.,</p> <p><b>193MB3A3SA - Skill Enhancement Course I: Culture Collection and Preservation Techniques</b></p> <p>Dr. Balagurunathan recommended the following topics for SEC I as:</p> <ul style="list-style-type: none"><li>• Metagenomics and Pyral sequencing</li><li>• Culture collection centers – International culture collection centers like ATCC, JMC, Netherland culture collection and IMTEC.</li></ul>
<b>Resolution</b>	<p>The board unanimously accepted to implement the same</p>

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Item – 04	Discussion on III Semester Syllabus M.Sc. Microbiology: Batch 2019-20
Discussion	<p>As per the scheme recommended by the Board the Courses in third semester as followed:</p> <p>193MB2A3CA – Core XI – Immunology and Immunotechnology 193MB2A3CB – Core XII – Medical Microbiology I – Bacteriology and Virology 193MB2A3CC – Core XIII – Medical Microbiology II – Mycology and Parasitology 193MB2A3CD – Core XIV – Genetic Engineering 193MB2A3CE – Core XV – Research Methodology, Biostatistics and Bioinformatics 193MB2A3CP – Core Practical III 193MB2A1DA – DSE III – Microbial Nanotechnology 193BC2A1DA – DSE III – Systems Biology 193BT2A1DA – DSE III – Protein Engineering</p> <p>The following suggestions were proposed:</p> <p><b>193MB2A3CA - Core XI: Immunology and Immuno technology</b></p> <p>Dr.Lakkumi Venmal suggested to include RT PCR in unit III.</p> <p><b>193MB2A3CB - Core XII: Medical Microbiology I - Bacteriology and Virology</b></p> <p>Dr.Balagurunathan advised to introduce Bacterial Epidemiology as Unit I.</p> <p>The board suggested to introduce Current scenario of viral diseases, infection control and prevention for SARS, MERS, Flu, Nipha, Covid etc.,</p> <p>The board advised to introduce the guidelines of WHO, CDC, ICMR and other Health departments, Disease control by hand washing, social distancing, sanitation, hygienic practices etc.,</p> <p><b>193MB2A3CC - Core XIII: Medical Microbiology II – Mycology and Parasitology.</b></p> <p>Mr.Vijayaprakash recommended introducing topics like Fungal Infection and Antifungal procedures in Industry.</p> <p><b>193MB2A3CE - Core XV: Research Methodology Biostatistics and Bioinformatics.</b></p> <p>Dr.Lakkumi Venmal recommended introducing about journal, plagiarism and indexing.</p>

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	<p>Dr.Balagurunathan suggested to include SPSS and R programming in Unit IV.</p> <p>Mr.Antony Iruthayaraj recommended to introduce Data analytics and Drug designing softwares.</p> <p><b>193MB2A3CP - Core practical III.</b></p> <p>The board recommended introducing rapid diagnostic tests for viruses.</p>
<b>Resolution</b>	The board unanimously resolved and accepted to implement the same
<b>Item – 05</b>	<b>Discussion on Certificate courses to be considered from 2020-21 onwards</b>
<b>Discussion</b>	<p>Based on the suggestions given by the parents during Parent Teachers Association (PTA) and Alumni, the following certificate courses were recommended by the board for ensuing academic batch 2020-21.</p> <ul style="list-style-type: none"><li>• Certificate Course on Food Quality Control</li><li>• Certificate Course on Mushroom Technology</li></ul>
<b>Resolution</b>	The Board resolved and approved the above recommendations
<b>Item – 06</b>	<b>Discussion on Job oriented Certificate Programmes linked with industry</b>
<b>Discussion</b>	<p>Based on the suggestions given by the Industrial experts, the following Job oriented Certificate Programmes were recommended by the board for ensuing academic batch 2020-21.</p> <ul style="list-style-type: none"><li>• Certificate Course on Biofertilizer Production and its field trial</li><li>• Certificate Course on Spirulina Cultivation to act as food supplement</li></ul>
<b>Resolution</b>	The Board resolved and approved the above recommendations
<b>Item – 07</b>	<b>Any other matters</b>
<b>Discussion</b>	Board of Studies in department of Microbiology recommends the committee of Panel of experts for examination purposes.
<b>Resolution</b>	The suggestions by the Board Members have been considered.

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

Date: 16/05/2020

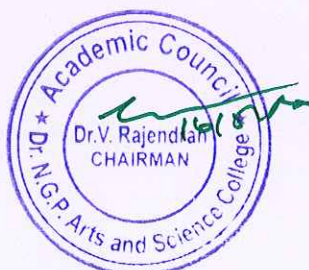
  
(Dr. J. Rengaramanujam)

BoS Chairman/HoD  
Department of Microbiology  
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### ATTENDANCE OF THE NINTH BOARD OF STUDIES MEETING

**Faculty: Biosciences**

**Board: Microbiology**

Date : 16/05/2020

Time : 10.00 a.m

Venue : Online (Google Meet)

S. No.	Name	Position	Signature*
1	<b>Dr. J. Rengaramanujam</b> Professor & Head Department of Microbiology Dr.N.G.P. Arts and Science College Coimbatore – 641048.	Chairman	Present
2	<b>Dr. A.K. Lakkumi Venmal</b> Associate Professor Department of Microbiology LRG Government Arts College for Women Tiruppur – 641004.	Member (Subject Expert) VC Nominee	Present
3	<b>Dr. R. Balagurunathan</b> Professor and Head Department of Microbiology Periyar University Salem – 636011.	Member (Subject Expert) Nominated by Academic Council	Present
4	<b>Mr. S. Vijayaprakash</b> QCAT Microbiology B1 block, Biocon Biologics India Limited SEZ Bommasandra Jigini link Road Bengaluru-99	Member Industrial Expert	Present
5	<b>Mr. Antony Iruthayaraj</b> Assistant Manager-Microbiology PAR Formulations Pvt Ltd. Chennai.	Alumni	Present
6	<b>Ms. B. Kiruthika(UG)</b>	Student Representatives	Present
7	<b>Ms. M. Mynumathi (PG)</b>		Present

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8	<b>Dr. N. Kuppuchamy</b> Associate Professor and Head Department of Tamil Dr. N.G.P. ASC Coimbatore – 641048.	Co-opted Member	Present
	<b>Dr. R. VithyaPrabha</b> Professor and Head Department of English Dr. N.G.P. ASC Coimbatore – 641048.		Present
	<b>Ms. S. Kokila</b> Assistant Professor (SG) Department of Clinical Lab Technology Dr. N.G.P. ASC Coimbatore – 641048.		Present
	<b>Dr. A. Muthusamy</b> Associate Professor and head Department of Computer Science Dr. N.G.P. ASC Coimbatore – 641048.		Present
9	<b>Dr. N. Vidhya</b> Professor Department of Microbiology Dr. N.G.P. ASC Coimbatore – 641048.	Member	Present
10	<b>Mr. S. Senthil Prabhu</b> Assistant Professor(SG) Department of Microbiology Dr. N.G.P. ASC Coimbatore – 641048.	Member	Present
11	<b>Dr. A.M. Ramachandran</b> Assistant Professor Department of Microbiology Dr. N.G.P. ASC Coimbatore – 641048.	Member	Present

\*Virtual meeting- Signature not required

Date: 16/05/2020

  
(Dr. J. Rengaramanujam)  
BoS Chairman/HoB  
Department of Microbiology  
Dr. N. G. P. Arts and Science College  
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