



**Sri Dharmasthala Manjunatheshwara College**  
**(Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State**

*(Re-accredited by NAAC at "A" grade with CGPA 3.61 out of 4)*

# **BOS Meeting Minutes**

## **Department of Biotech**

### **2020-21**



**Sri Dharmasthala Manjunatheshwara College**  
**(Autonomous), Ujire-574 240, Dakshina Kannada, Karnataka State**  
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**DEPARTMENT OF BIOTECHNOLOGY-UG**  
**Proceedings of BOS meeting**

Date: 13-08-2020  
Time: 11.00 AM  
Venue: Department of Biotechnology (In virtual mode)

AGENDA NO	AGENDA
Agenda 1 SDMCU /BIOTECH-BOS/2020-21/01/01	Reading the minutes of the previous BOS meeting& Action taken report
Agenda 2 SDMCU /BIOTECH-BOS/2020-21/01/02	Revision and approval of the syllabus
Agenda 3 SDMCU /BIOTECH-BOS/2020-21/01/03	Approval for the additional Elective Papers
Agenda 4 SDMCU /BIOTECH-BOS/2020-21/01/04	Approval for the Value added Courses (Certificate Courses)
Agenda 5 SDMCU /BIOTECH-BOS/2020-21/01/05	Finalizing the list of examiners
Agenda 6 SDMCU /BIOTECH-BOS/2020-21/01/06	Any other Matter

**Members :**

Sl. No.	Name & Address	Role
1.	Dr. Kumara Hegde B.A HOD Department of Botany & Biotechnology SDM College Ujire	Chairperson
2.	Ms. Deepthi, HOD, Lecturer Department of Biotechnology Bhuvanendra College.Karkala	University Nominee



**SDM College (Autonomous) Ujire**



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3.	Dr. Avila D'Silva Director EUCHEM Biologicals Pvt. Lt. Udupi	Industrial Representative
4.	Dr. Chethan J D Assistant Professor Department of PG studies in Biotechnology & Microbiology Karnataka University Dharwad	Subject Expert
5.	Dr. Kumarswamy H M Department of PG studies in Biotechnology Kuvempu University Shankaraghatta	Subject Expert
6.	Mr. Leonard Clinton D'souza Research scholar NUCSER, Nitte University Paneer Campus Deralakatte	Alumni
7.	Mr. Abhijeeth S Badiger Department of Biotechnology SDM College Ujire	Member
8.	Dr. ShrishaNaik Department of Biotechnology SDM College Ujire	Member
9.	Dr. K R Maruthi Department of Biotechnology SDM College Ujire	Member
10.	Mr. Ganesh V Shendye Department of Botany SDM College Ujire	Member

**Agenda 1**

**Reading the minutes of the previous BOS meeting& action taken report**

The Chairperson read the minutes of the board of studies meeting held on 13-06-2019& action taken report.

- Inclusion of Overall Down streaming processing instead of selective topics in Elective paper for III Semester
- Included the journal indexing and plagiarism in elective paper I





- Mentioning the local diseases as examples in elective paper for IV Semester
- Changed the title of paper V as Medicinal plant Diversity & Bioethics
- Changed the title of paper VII as Animal Biotechnology & Bioinformatics
- Changed the title of paper VI as Plant Biotechnology & Environmental Biotechnology
- Removed the drug development protocol from practical VIII
- Conducted seminars, workshops and internships under the STAR college project.
- Trained the students to practice Bio-safety protocols.
- Organised industrial visits and entrepreneurship programs

The Board approved the minutes & action taken report.

Agenda 2

Revision and Approval of the syllabus

The board reviewed the syllabus and resolved to make the following changes

SL No.	Paper	Changes	
		Topics added	Topics deleted
1	Paper I - Biochemistry and Biophysics	Metabolism – Glycolysis, TCA cycle and phosphogluconate pathway	
		Normality, molarity and molality(Definition, calculation &significance)	
2	Paper I - Biochemistry & Biophysics practical	Calculation, preparation of normal, molar and percentage solutions	Qualitative test for Lipids
		Acid base titration	Lambert Beer law
		Separation of amino acids by paper chromatography	Agarose gel Electrophoresis







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## Agenda 4

### Approval for the Value-added Courses (Certificate Courses)

As an institutional policy it is decided to offer courses on skill enhancement and employability. The department has designed three value added courses. The Chairperson presented the details of the following value added courses to be incorporated in the academic year 2020-21.

- Science of Agriculture & Medicine (offline mode).
- IPR (virtual mode)
- Biosafety & Bioethics (virtual mode)

It is resolved to approve the additional value added courses.

## Agenda 5

### Finalizing the list of examiners

Board updated and approved the list of examiners and the updated list is enclosed with the report. Ms. Pratheeksha C.H., Assistant professor, Department of Biotechnology, Bhuvanendra college Karkala and Ms. Heena Kausar, Assistant professor, Department of Biotechnology, Bhuvanendra college Karkala were added to the list of examiners.

## Agenda 6

### Any other matter


Members made following suggestions

- To encourage summer projects and internships
- To train the students to practice bio-safety protocols
- To encourage industrial visits and entrepreneurship

It is resolved to incorporate the above suggestions

Meeting concluded with proposing vote of thanks to all the members.



  
Dr. Kumara Hegde B.A.  
(B.O.S Chairperson)  
Head of the Department  
Botany



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# **BOS Meeting Minutes**

## **Department of Biotech**

### **2020-21**



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## DEPARTMENT OF BIOTECHNOLOGY-UG

### Proceedings of BOS meeting

Date: 27/04/2021  
Time: 11.00 AM  
Venue: Department of Biotechnology (In virtual mode)

AGENDA NO	AGENDA
Agenda 1 SDMCU /BIOTECH-BOS/2020-21/02/01	Reading the minutes of the previous BOS meeting& Action taken report
Agenda 2 SDMCU /BIOTECH-BOS/2020-21/02/02	Review of results and achievements of the department
Agenda 3 SDMCU /BIOTECH-BOS/2020-21/02/03	Revision/modification of the syllabus/question paper pattern
Agenda 4 SDMCU /BIOTECH-BOS/2020-21/02/04	Introduction of MOOC's related to the emerging areas in Elective/CC courses
Agenda 5 SDMCU /BIOTECH-BOS/2020-21/02/05	SWAYAM integrated chapters/Units
Agenda 6 SDMCU /BIOTECH-BOS/2020-21/02/06	Finalizing the list of examiners
Agenda 7 SDMCU /BIOTECH-BOS/2020-21/02/07	Approval for the question bank & software generated papers for term end exams
Agenda 8 SDMCU /BIOTECH-BOS/2020-21/02/08	Any other Matter





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### Members

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1.	Dr. Kumara Hegde B.A HOD Department of Botany & Biotechnology SDM College Ujire	Chairperson
2.	Dr. Avila D'Silva Director EUCHEM Biologicals Pvt. Lt. Udupi	Industrial Representative
3.	Dr. Chethan J D Assistant Professor Department of PG studies in Biotechnology & Microbiology Karnataka University Dharwad	Subject Expert
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10.	Mr. Ganesh V Shendye Department of Botany SDM College Ujire	Member







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## Agenda 1

### Reading the minutes of the previous BOS meeting & Action taken report

The Chairperson read the minutes of the board of studies meeting held on 13-08-2020 & the action taken report.

### Following were the Actions taken

- In Paper I - Biochemistry and Biophysics following changes were incorporated
  - a) Glycolysis, TCA cycle and phosphogluconate pathway were added
  - b) Normality, molarity and molality Definition, calculation & significance.
  - c) Calculation, preparation of normal, molar and percentage solutions, Qualitative test for Lipids, Acid base titrations, Lambert Beer law, Separation of amino acids by paper chromatography were added
- Paper II - Cell Biology & Genetics
  - a) Structure and functions of muscle cells, muscle contraction, nerve cell structure and functions were added
  - b) Introduction to model organisms- *Drosophila*, *C. elegans* and *Arabidopsis thaliana* were added
  - c) Staining and observation of special chromosomes (salivary glands) were added in the practicals
- Paper III - Microbiology & Immunology
  - a) Representative pathogenic microorganisms(e.g. *klebsiellapneumoniae*, *Salmonella typhi*) were added
  - b) Preparation of selective media and inoculation, Antibiotic sensitivity test for micro-organisms, Effect of pH and temperature on Bacterial growth and Demonstration in PCR for diagnosis were added in practical
- Paper IV -Molecular Biology & DNA technology practical
  - a) Isolation of DNA by CTAB method, Agarose gel electrophoresis to separate DNA, SDS PAGE and gel staining were added in practical
- Paper VI - Plant Biotechnology practical
  - a) Isolation of protoplast was included in practical





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4. Conservation strategies of medicinal plants

Topics highlighting local, National and Global issues are

1. Human Genome Project
2. Biogeographic regions of India and Karnataka
3. Medicinal Plants conservation

Further the board reviewed the papers highlighting entrepreneurship, employability and skill development.

Following are the papers focusing employability, entrepreneurship and skill development.

Papers focusing employability

1. BSCBTVE 131 BIOCHEMISTRY & BIOPHYSICS
2. BSCBTVE 181 CELL BIOLOGY & GENETICS
3. BSCBTVE 383 PHYTOCHEMISTRY & DRUG DEVELOPMENT
4. BSCBTVE 331 MEDICINAL PLANT DIVERSITY & BIOETHICS
5. BSCBTCE 133 BIOSTATISTICS
6. BSCBTCE 183 FOOD SCIENCE & TECHNOLOGY
7. BSCBTCE 283 IMMUNE SYSTEM AND DISEASE MANAGEMENT
8. BSCBTCE 134 INTELLECTUAL PROPERTY RIGHTS
9. BSCBTCE 135 BIO-SAFETY
10. BSCBTCE 185 BIOETHICS – BIOTECHNOLOGY & HUMAN WELFARE

Papers focusing entrepreneurship

1. BSCBTVE 231 MICROBIOLOGY & IMMUNOLOGY
2. BSCBTVE 332 PLANT BIOTECHNOLOGY AND ENVIRONMENTAL BIOTECHNOLOGY
3. BSCBTCE 233 FERMENTATION TECHNOLOGY
4. BSCBTCE 184 AGRICULTURE BIOTECHNOLOGY
5. BSCBTCE 234 DOWNSTREAM PROCESSING
6. BSCBTCE 235 ENTREPRENEURSHIP

Papers focusing skill development

1. BSCBTVE 281 MOLECULAR BIOLOGY & RECOMBINANT DNA TECHNOLOGY
2. BSCBTVE 381 ANIMAL BIOTECHNOLOGY & BIOINFORMATICS
3. BSCBTCE 284 MICROBIAL-TECHNOLOGY
4. BSCBTCE 285 NANO-BIOTECHNOLOGY
5. All the practical papers

The board approved the syllabus with the above-mentioned changes

Resolved to approve the revised syllabus



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**Agenda 4**

**Introduction of MOOC's related to the emerging areas in Elective/CC courses**

It is resolved to motivate the students to undertake MOOC courses.

List of the MOOC courses are as follows

- 1. Virology [https://onlinecourses.swayam2.ac.in/cec21\\_bt18/preview](https://onlinecourses.swayam2.ac.in/cec21_bt18/preview)
- 2. Microbial Physiology and metabolism  
[https://onlinecourses.swayam2.ac.in/cec21\\_bt17/preview](https://onlinecourses.swayam2.ac.in/cec21_bt17/preview)

**Agenda 5**

**SWAYAM integrated chapters/Units**

It is resolved to motivate the students to undertake MOOC courses that supports them to study existing curriculum.

MOOC Course virology supports the study of topic virology of the paper microbiology and immunology in III semester

MOOC Course microbial physiology and metabolism supports the study of topic Microbial cell components of the paper cell biology & genetics in II semester and paper microbiology & immunology in III semester

**Agenda 6**

**Finalizing the list of examiners**

Board updated and approved the list of examiners and the updated list is enclosed with the report. Following examiners were added to the list

SL No.	Names of the examiners
1.	Dr. Pradeep K, Assistant professor Dept. of Biotechnology Sahyadri science college Shivamogga,





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2.	Dr. Santhosh Kumar Assistant professor Dept. of Food technology Davanagere University
3.	Dr. Venkatesh Dept. of Food technology Davanagere University,
4.	Dr. Joy H Hosakeri Assistant professor Dept. of Biotechnology Akkamahadevi University Vijayapura
5.	Ms. Vidyarani Assistant professor Department of Biotechnology Bhandarskar's College kundapura
6.	Dr. RamithRamu Assistant professor Department of Biotechnology & Bioinformatics School of life science JSS Academy of Higher education and research
7.	Dr. PrithviShirahatty Assistant professor , Dept. of Biotechnology Teresian college Mysore



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## Agenda 7

### Approval for the question bank & software generated papers for term end exams

In view of promoting technology-based evaluation system, Chairman briefed the members regarding software generated question papers based on paper-wise question banks and he sought the approval to generate question papers for term end examinations

**Resolution:** It is resolved to approve the question bank prepared by the department and to give Permission to BoE Chairman to add/edit/delete and generate question papers from EERPMS for term end examinations.

The Board approved the agenda

## Agenda 8

### Any other matter


Members made following suggestions

- To share materials to the students through common platform
- To provide e-books as reference to the students
- To take the assistance of computer experts in designing e-content.

It is resolved to incorporate the above suggestions

Meeting concluded with proposing vote of thanks to all the members.



  
Dr. Kumara Hegde B.A.  
(B.O.S Chairperson)  
Head of the Department  
Botany



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