



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)

PG Studies in Biotechnology BOS Meeting Minutes 2020-21



Sri Dharmasthala Manjunatheshwara College

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P.G DEPARTMENT OF BIOTECHNOLOGY

Proceedings of BOS meeting

Date: 21-08-2020

Time: 2.00pm

Venue: Department of Biotechnology, SDM PG College, Ujire.

AGENDA NO	AGENDA
Agenda I SDMCU/BT-BOS/2020-21/01/01	Reading of the minutes of previous Board of studies Meeting.
Agenda I SDMCU/BT-BOS/2020-21/01/02	Modification of the syllabus
Agenda I SDMCU/BT-BOS/2020-21/01/03	Revision and Approval of the syllabus: a) Highlighting the issues of Gender Equity, Human Values, Environment, Professional Ethics b) Highlighting the Local, National and Global issues in the courses c) Incorporating skill component
Agenda I SDMCU/BT-BOS/2020-21/01/04	Finalizing the list of examiners
Agenda I SDMCU/BT-BOS/2020-21/01/05	Any other matter

Members Present:

Sl.No.	Name & Address	Role
1.	Dr. Prarthana .J, HOD, Department of PG Dept. of Biotechnology, SDM College (Autonomous), Ujire	Chairperson
2.	Dr.Rama Bhat Professor & H.O.D, P.G Dept of Biotechnology, Alva's college, Moodabidri	Subject Expert
3.	Dr.Manoj Godbole, Assistant Professor, Department of PG Dept. of Biotechnology, SDM College (Autonomous), Ujire	Members
4.	Ms.Shraddha, Assistant Professor, Department of PG Dept. of Biotechnology, SDM College (Autonomous), Ujire	Members
5.	Ms. Padmashree Jain, Metahelix Lifescience Ltd, Plot No3, KIADB, 4th phase, Bommasandra	Alumni

Members not Present :

1.	Dr. Chandra M, Assistant Professor, Dept of Biosciences, Mangalore University, Managalagangotri- 574 199	University Nominee
2.	Dr.Smitha Hegde, Professor, NITTE University Center for Science Education & Research , Paneer campus, Deralakatte, Mangalore	Subject Expert
3.	Dr.Veeranna Senior Technical Officer, Bengaluru	Industrial Representative



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Board of studies chairperson, Ms.Prarthana .J introduced core comity members & initiated the **virtual meeting**.

SDMCU/BT-BOS/2020-21/01/01:

Reading of the minutes of previous Board of studies Meeting.

Previous meeting was held on 04/09/19 at 11.00 am in SDM college,P.G campus .During the same board scrutinized all papers CBCS of M.Sc Biotechnology, with few modification done by reshuffling contents in Unit I,II,IV of BTH403, in II sem earlier soft core BTS455 (Bioethics, IPR & enterprenership) is replaced Biostatistics & Bioinformatics, in III sem BTH502 is modified with Unit II having culture of specialized cells, soft core BTS455 (Biosatistics & Bioinformatics) is replaced for Nano biotechnology, Open elective paper BTE509 (Nano technology) is replaced as Bioenterpuernership, in IV sem BTS552 Unit I,II & III in the content of BTE458. Each paper skill component was identified, suggested changes in question paper pattern was incorporated, review of 18-19 results, amended list of examiners was updated

Agenda was approved.

SDMCU/BT-BOS/2020-21/01/02:

Modification of the syllabus

Proposed syllabi for II & III sem open elective paper are subjected to changes to bring in learning awareness and job oriented benefits

Existing Open elective in II Semester	Newly introduced papers
BTE458Applications of Biotechnology	BTE458 Fundamental Biotechnology
BTE459Recombinant DNA technology	BTE459 Environmental Issues
	BTE460 Biodiversity & it's Conservation
Existing Open elective in III Semester	Newly introduced papers
BTE508 Industrial Biotechnology	BTE 508 Immune System & Human health
BTE509 Bioentrepreneurship	BTE509 Basic concepts in Clinical Biochemistry
	BTE510 Applications of Biotechnology in Food Science





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Reshuffling contents of III sem paper BTH501 in IV was accepted. Reshuffling contents of IV sem paper BTS552 in IV was accepted.

There is also a certificate course introduced on Quality Control Microbiology of 41 Hr duration comprising of theory & practicals, to be taught as value added programme for students of M.Sc Biotechnology

Appropriate skill , employability and entrepreneurship components are introduced in relevance to theory paper enclosed in

Agenda was noted

SDMCU/BT-BOS/2020-21/01/03:

Discussed highlighted components of syllabus related with NAAC

Selected list of topics in the syllabus was identified & put forward before committee for scrutiny, enclosed in ANNEXURE 2

Agenda was noted

SDMCU/BT-BOS/2020-21/01/04:

Finalizing the list of examiners..

Agenda was approved

SDMCU/BT-BOS/2020-21/01/05:

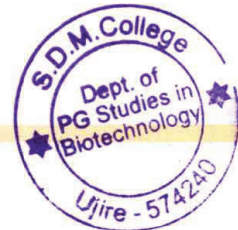
Any other matter

Chair person brought to the notice of Board members about collaboration done with REVA University for mutual carrying of research activities.

Agenda was Noted



Prarthana J.
Mrs. Prarthana J.
(B.O.S. Chairperson)



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P.G DEPARTMENT OF BIOTECHNOLOGY

Proceedings of BOS meeting

Date: 28-06-2021

Time: 4.30 P.M

Venue: Department (Mode: Online, Platform Google Meet)

AGENDA	AGENDA NO
SDMCU/PG BT-BOS/2020-21/02/01	Reading the minutes of the previous BOS meeting and Action Taken Report
SDMCU/PG BT-BOS/2020-21/02/02	Review of results and brief report of the department activities
SDMCU/ PG BT-BOS/2020-21/02/03	Revision/Modification of syllabus/Question paper pattern
SDMCU/ PG BT-BOS/2020-21/02/04	Introduction of MOOC's related to the emerging areas in Elective/Value added courses
SDMCU/ PG BT-BOS/2020-21/02/05	SWAYAM integrated chapters/Units
SDMCU/PG BT-BOS/2020-21/02/06	Finalizing the list of examiners
SDMCU/ PG BT-BOS/2020-21/02/07	Any other matter

Members Present:

1.	Dr. Prarthana .J, HOD, Department of PG Dept. of Biotechnology, SDM College (Autonomous), Ujire	Chairperson
2.	Dr. Chandra M, Assistant Professor, Dept of Biosciences, Mangalore University, Managalagangotri- 574 199	University Nominee
3.	Dr.Akhila D.S, Assistant Professor, NITTE University, Center for Science Education & Research, Paneer campus, Deralakatte, Mangalore - 575 018	Subject Expert
4.	Dr. Manjula K R, Assistant Professor , Dept of Biotechnology REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bangalore	Subject expert



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5.	Dr. Manoj Godbole, Assistant Professor, PG Department of Biotechnology, SDM College, (Autonomous, Ujire)	Member
6.	Dr. Girish Kumar, Assistant Professor, PG Department of Biotechnology, SDM College, (Autonomous, Ujire)	Member

Members Not Present :

1	Ms. Padmashree Jain, Metahelix Life science Ltd Plot No3, KIADB, 4th phase, Bommasandra	Alumni
2	Dr.Veeranna Senior Technical Officer Bengaluru Bio Innovation center, Helix Biotech Park, Electronics City Phase 1, Bengaluru,	Industrial Representative

Board of studies chairperson, Ms.Prarthana .J introduced core comity members & initiated the **virtual meeting**.

SDMCU/PG BT-BOS/2020-21/02/01:

Reading of the minutes of previous Meeting & Action taken report

The Chairperson read out the minutes of the previous meeting held on 21/08/20 at 2.00 pm in SDM college, P.G campus and presented the action taken report. The following actions were taken based on the suggestions given by the members.

Suggestion 1:

To incorporate certificate course -value added courses

Action Taken:

Quality control in Microbiology is introduced for II and III semester M.Sc students from the academic year 2020-2021

Suggestion 2:

To introduce additional open elective papers

Action Taken:



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As per boards approval the department has introduced 6 elective papers (3 paper for II Semester and 3 paper for III Semester)

There was also minor reshuffling contents in Unit IV of BTH501 of III sem & BTH552 of IV sem carried out. There was also introduction of CC course QC-Microbiologist, presently there are 17 students enrolled. Review of 19-20 was carried out, amended list of examiners was updated. Collaboration of the Department with REVA Univ for research activities was also brought to the notice of members

Resolved to approve the agenda.

SDMCU/PG BT-BOS/2020-21/02/02:

Review of result and brief report of the department activities

Chair person briefed about results of M.Sc students & presented before committee members achievements & conducted activities of the department.

Review of the results 19-20

IV Sem Exam conducted during Oct 2020

Out of 17 appeared ,all 17 cleared all paper, 100% result

III Sem Exam conducted during Feb 2021

Out of 21 appeared, all 21 cleared all paper, 100% result

I Sem Exam conducted during April 2021, these results are awaited

There was Four International webinar organized by the Department during Oct-Nov 2020

In. the Month of March 2021, The KSCST Funding agency sanctioned student research project on waste water treatment, Under the guidance of Dr. Prarthana.J

Agenda was noted

SDMCU/PG BT -BOS/2020-21/02/03:

Revision/Modification of syllabus/Question paper pattern

The draft syllabus was circulated well in advance to board members through mail for modifications if any. As per the suggestions given by board members.





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Following papers were subjected to changes considering rising demands

Semester	Paper Code/Title	Units Modified
I Semester	BTH401/ Biochemistry	1,2,3 & 4
	BTS404/ Molecular Genetics	2
II Semester	BTH451/ Molecular Biology	4
	BTS455/ Biostatistics & Bioinformatics	3
III Semester	BTS503/ Bioprocess Technology	1
	BTE510/ Applications of BT in Food science	3

Changes in the syllabus are provided with justification enclosed in

No modification is done on question paper pattern

Emphasis was given on introducing appropriate skill , employability and entrepreneurship components in relevance to theory paper enclosed in

Agenda was noted

SDMCU/ PG BT -BOS/2020-21/02/04:

Introduction of MOOC's related to the emerging areas in Elective/Value added courses

The chairperson presented the initiatives taken by the department to orient the students regarding MOOC courses and its relevance for professional growth. Suggested courses are as follows as enclosed in ANNEXURE 3

Cell Biology

Cancer Fundamentals-by AICTE
Cell Designer: Modelling tool for gene regulation by AICTE
Basic Course in Biomedical Research by ICMR
Chemical Biology
Intoduction to the Biology of cancer by John Hopkins Univ
Intro to Genetics and Evolution by Duke Univ
Vital Signs: Understaning what the body is telling us by Penn Univ





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Genomics: Decoding the Universal language of life by Illinois Univ
Bugs: Insect-Human interactions by Univ of Alberta
The Big Stuff: Evolution and Ecology by Univ of Colarado Boulder
Emergence of Life: Illinois Univ
Extracellular Vesicle in Health and Diseases by UCI Division of continuing Education

Metabolism

Thermodynamics and its application by IGNOU
Experimental Methods in Systems Biology by Ichan School of medicine, Mount Sinai
Network Analysis in Systems Biology by Ichan School of medicine, Mount Sinai
Dynamical Modeling Methods for Systems Biology by Ichan School of medicine, Mount Sinai

Introduction to human physiology by Duke Univ
The little Stuff: Energy, Cells and Genetics by Univ of Colarado Boulder
Biochemical principles of Energy Metabolism by KAIST

Plant Biotechnology

Industrial Biotechnology by Univ of Manchester
Understanding plants: What plant knows? By Tel Aviv Univ
Understanding plants: Fundamentals of Plant Biology by Tel Aviv Univ

Environmental Biotechnology

Environmental impact assessment by IGNOU
Environmental and Occupational hazards by IGNOU
Mushroom Production by NIOS
Certificate course in Environmental Sustainability IGNOU
Energy resources and conversion processes by IGNOU
Sustainability Science by IGNOU
Sustainable Management of Biodiversity by IGNOU
Ecosystem and Natural Resources by IGNOU
Pollutants and Water supply by IGNOU
Challenges to Sustainable Development by IGNOU
ECOLOGY: Ecosystem Dynamics and Conservation by American Museum of Natural History and Howard Hughes Medical Institute





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Agenda was approved

SDMCU/ BT -BOS/2020-21/02/05:

SWAYAM integrated chapters/Units

The chairperson presented the list of SWAYAM integrated notes provided as link under reference to encourage self learning. The board suggested to continue orienting students on courses available on SWAYAM platform and motivate students to complete at least one course during M.Sc by observing the guidelines issued by UGC regarding integrated online courses.

The board approved the Agenda

SDMCU/ BT-BOS/2020-21/01/06:

Finalizing the list of examiners.

The chairperson presented the list of examiners for approval no changes were suggested in the existing BOE list. ANNEXURE 4

The board approved the Agenda.

SDMCU/ BT-BOS/2020-21/02/07:

Any other matter

As per suggestion of Board members it was informed to include Research methodology paper in the final semester. Chairperson noted the suggestions given by board members

Suggestion 1 :To introduce concepts of ethics in research

Suggestion 2:plagiarism, writing & collection of data

Agenda was Noted

Meeting concluded with vote of thanks.



SDM College (Autonomous) Ujire

Dr. Prarthana J
(B.O.S Chairperson)

