

Shri Manibhai Virani and Smt. Navalben Virani Science College (Autonomous),

Affiliated to Saurashtra University, Rajkot

Date: 26/09/2020

Time 4:00 pm

Venue: Online

BOARD OF STUDIES – MICROBIOLOGY

AGENDA:

- 1. Welcome and introductory remarks by Chairman**
- 2. ATR of the recommendations / resolutions made in previous BoS meeting.**
- 3. Minor revision of the syllabi of M.Sc. Microbiology Semester IV**
- 4. Online TL & E methodologies/ strategies adopted for A.Y. 2019-20 & 2020-21 as per UGC, Government and University preventive guidelines for Covid-19 pandemic.**
- 5. Adoption and implementation of UGC – Learning Outcomes based Curriculum Framework (LOCF) for Undergraduate Education from A.Y. 2021-22 in harmony with National Education Policy-2020.**
- 6. Updation of List of Question Paper Setters and Examiners-Theory & Practical for UG and PG Programs.**
- 7. Any other**

BoS Members:

S.No.	Name	Designation	Presence/Absence
1.	Dr. Neepa Pandhi	Head of Department, Chairperson	Present
2.	Dr. Datta Madamwar	Subject Expert, VC Nominee	Present
3.	Dr. Mehul Dave	Subject expert, AC Nominee	Present
4.	(Dr.) Chitra Bhattacharya	Subject expert, AC Nominee	Present
5.	Dr. Madhavi Joshi-Bagtharia	Industry Representative	Present
6.	Dr. Vasant Jadeja	Faculty Member	Present
7.	(Dr.) Lt. Hemangi Bhatt	Faculty Member	Present
8.	(Dr.) Nikunj Bhadja	Faculty Member	Present
9.	Dr. Hitarth Bhatt	Faculty Member	Present
10.	Dr. Rajesh Patel	Meritorious PG Alumni	Absent

The BoS in Microbiology met as indicated above, and discussed on the above Agenda.

The Chairperson started the meet with **a small and sincere prayer to Almighty for the health and wellbeing of all the Covid patients, Corona warriors and the families which have suffered emotionally, physically, personally, mentally or economically during this pandemic. May He bless all and take all of us out of this global emergency at the earliest.**

The Chairman further discussed the above mentioned agenda

1. Welcome and introductory remarks by Chairman

The Chairman extended a warm welcome to all the members of the Board of Studies to the first meeting after conferment of extension of the autonomous status (up to 2023-24) to the college by UGC. The members were informed about the visit of UGC expert Committee for the Review of the Extension of Autonomy on 2nd and 3rd May 2019.

The Chairperson of the BoS placed on record the gratitude of the Department to the previous members of this BoS for their kind and able contribution towards the effective implementation of academic autonomy. The members were informed that due to C-19 pandemic and first national lockdown on 22nd March 2020 followed by Phase-1 to till date; the college has carried out various activities for faculty and students:

- Three Blood donation camps for the benefit of thalassemia patients (104-units) were organized in association with Red Cross Blood Bank, Atmiya University and Saurashtra University during April-2020.
- Following events were organized in association with Atmiya University, Rajkot.

Event	Topic	Date	Resource Person
OBE –FDP (02)	Rubrics as an Assessment Tool - Part I	28-04-20	Prof. Sheela Ramachandran Pro-Chancellor, Atmiya Uni., Rajkot
	Rubrics as an Assessment Tool - Part II	06-05-20	
Webinar (05)	Development of Testing-Kits & Global Diagnostics Methodologies for COVID-19	23-05-20	Dr. VrajRabadia, Head, Non-Clinical Discovery, ApoPharmaInc, Apotex, Toronto, Canada
	Technologically Important Materials	17-06-20	Prof. S. Kalainathan, Director, Centre for Crystal Growth, VIT, Vellore, TN
	Understanding Innate Immunity in CANCER	18-06-20	Dr. Riva Verma, Cancer Immunology, Uni. of Singapore
	Electronic Materials & Devices for Select Space & Defense Applications - An Overview	19-06-20	Prof. V. N. Mani, Sr. Scientist-E, Centre of Materials for Elec. Tech., IT Dept., Govt. of India, Hyderabad
	Relevance of X-Rays : A	20-06-20	Prof. Rajni Kant,

Event	Topic	Date	Resource Person
	WONDER RADIATION (For Men and Materials)		Dean-Faculty of Science, CoE, Uni. of Jammu, Jammu Tawi
E-Content FDP (01)	E-content development: Video Recording & Editing	9 th & 10 th June 2020	ICT experts of the college and Atmiya University.
MS Teams-FDP (02)	Online Teaching using MS-Teams	17 th to 20 th June 2020	KCG and Microsoft Trainers (for 1. Principal + ETRP 2. All teaching staff)
NEP-FDP (01)	National Education Policy 2020 - Overview	23-09-20	Dr. Y. M. Jayaraj, Hon. VC, Pravara Institute of Medical Sciences, Loni Bk, MH

- Following student centric co/extra-curricular activities were organized.

Day	Competition	Date	Remark
Gujarat Establishment	Essay, Painting and Poem	01-05-20	Saptadhara Competitions
World Environment	Quiz	05-06-20	In association with Gujarat Pollution Control Board, Rajkot
International Yoga	Quiz	21-06-20	In association with Gujarat State Yoga Board, Gandhinagar
World Photography	Photography	24-08-20	In association Atmiya University, Rajkot
Independence Day	Total 18 NCC cadets, 08 NSS volunteers and NCC officer of the college have served Rajkot district administration for C-19 preventive measures for two months April & May 2020 and they were felicitated for exhibiting extra ordinary courage as Corona warriors.		

- **MOOCs:**

The college has been benefited by the partnership of Atmiya University with COURSERA (American MOOC provider) for free Certificate Courses during the C-19 pandemic. More than 10 faculty and students of the Department have enrolled or completed these courses.

2. ATR of the recommendations / resolutions made in previous BoS meeting.

Following recommendations / resolutions were made in the previous BoS meeting which was held on 5th June 2019. The BoS members deliberated on the agenda and unanimously resolved that all be appended and to be recommended to Academic Council for approval for students admitted from **AY 2019-2020 & onwards:**

1. The Revised Regulations framed for B.Sc. Microbiology Programme
2. The Revised scheme of Instruction & Examinations framed for all semesters of B.Sc. Microbiology Programme
3. The Revised course structure and Syllabi framed for the courses of all the

Semesters of B.Sc. Microbiology Programme

4. The Evaluation norms & Guidelines discussed and framed for the following special Courses unique to Department – **Microbiology Outreach Activity**
5. Revised Syllabi for Generic Elective Courses to be offered by the Department (Part – II) – Microbes in Human welfare
6. Revised Evaluation for Generic Elective Courses
7. Revised Syllabi and Evaluation norms for Part – III courses: SEC – II – Co-curricular Course – **Environmental Auditing and Monitoring**
8. The members unanimously resolved to authorize the Chairperson of the BoS to finalize the list of Examiners and Paper setters for B.Sc. Microbiology programme -

The above recommendations / resolutions made in the previous BoS meeting was approved in the academic council meeting held on 12th June 2019 and implemented by the department.

3. Minor revision of M.Sc. microbiology semester – IV syllabus.

Dr. Shivani Patel, Head-Department of Biotechnology and Coordinator of M.Sc. Microbiology programmediscussed the proposed minor revision in the syllabi of M.sc Microbiology – Semester – IV which was approved and ratified by all the BoS members – **Enclosure - 1**

4. Online TL & E methodologies/ strategies adopted for A.Y. 2019-20 & 2020-21 as per UGC, Government and University preventive guidelines for Covid-19 pandemic.

A.Y. 2019-20

As per the academic calendar A.Y. 2019-20 of the college, the teaching & learning process of all UG, PG & Integrated programs have ended on/before 9th March 2020; the 2nd internal evaluation (i.e. 2nd CIE) was scheduled from 23rd March 2020 and subsequently Semester End Examination (theory) – 2019-20 for all UG, PG & Integrated programs were scheduled from 1st April 2020 & onwards. The SEE (practical) have commenced from 11th March 2020.

Due to Covid-19 pandemic; first National lockdown was observed on 22nd March 2020 followed by Phase-I to till date and as per the approval of the Governing Body of the college (GB in C dated 21/07/2020) based on various circulars / C-19 preventive guidelines of UGC, Education Department and affiliating University; the internal & semester end evaluations – T & P were conducted giving proctored online / offline options to the students in two phases. The internal test was conducted during April / May 2020 and semester end examinations during July / August 2020 for even semesters of following programs.

- B.Sc.Microbiology
- M.Sc.microbiology

The online remedial coaching classes were conducted from 2nd week of June 2020 and before Semester End Examination for the above programs.

A.Y. 2020-21

The college has initiated online / offline admission processes on 15th May 2020 as per admission / admission processing committee's resolution the merit list schedule was published on college website on 6th June 2020. The admission counseling was made online as well as at college following the guidelines issued by the Government.

The Department of Education, Government of Gujarat has implemented UDAYAM-Unlimited Digital Advanced Yearlong Academic Method of Learning project for providing Administrative and Academic resources to the HEIs during C-19 pandemic (Education Department, GoG, Circular No. PaRaCh/2020/OnlineEdu/Kh dated 22/06/2020).

The Department of Education, Government of Gujarat has facilitated all the GIA Colleges with Single sign on system-COGENT and Microsoft Teams platform for online Teaching Learning & Evaluation-TLE. The KCG and MS Teams trainers have conducted online two trainings for Principal, ETRP and all staff members. The Government has also established cluster lead college for the rectification of relevant issues and queries.

The Sarvodaya Kelavani Samaj, managing trust of the college have also facilitated with all digital and physical resources required for the conduction of SIP & TLE during Covid-19 pandemic. The college has conducted two days FDP on E-content development: Video Recording & Editing on 9th & 10th June 2020.

The online teaching-learning classes started with Student Induction Program (SIP) for Semester-3 & 5 of UG programs and Semester-3 for PG program in phased manner from 9th July 2020 & onwards for A.Y. 2020-21.

The online Student Induction Program (SIP) followed by teaching, learning & evaluation has started from 25th August 2020 for UG semester-1 students admitted in 2020-21 as per academic calendar. During five days SIP, thrust was given on Life Skills (VECD), Basic Computer Skill, E-learning Resources and Communication Skills.

As per the academic calendar of the college the first CIA: Component Test-1 for the UG / PG students of semester-3 and 5 of following programs are from 21st to 25th Sept. 2020.

- B.Sc. Microbiology
- M.Sc. Microbiology

5. Adoption and implementation of UGC – Learning Outcomes based Curriculum Framework (LOCF) for Undergraduate Education from A.Y. 2021-22 in harmony with National Education Policy-2020.

The Learning Outcomes-based Curriculum Framework (LOCF) works towards a more holistic experience for the students, while focusing not just on knowledge delivery in higher education but also on the application of knowledge through field and lab work and emphasizes on application of knowledge to real life experiences. Besides

this, students will attain various 21st century skills like critical thinking, problem solving, analytic reasoning, cognitive skills, self-directed learning etc.

The LOCF is a framework based on the expected learning outcomes and academic standards that are expected to be attained by graduates of a program of study and holder of a qualification.

The college has already implemented Outcome based Education System for M.Sc. programs from 2019-20 & onwards. The college will come up with the key outcomes that underpin curriculum planning and development at the UG level include Graduate Attributes, Qualification Descriptors, Program Learning Outcomes, and Course Learning Outcomes and Teaching - learning process & Assessment methods for the students admitted in various UG programs from AY 2021-22.

Departmental LOCF committee

All the faculty members of the Department will pro-actively contribute towards this agenda under the able guidance and periodic inputs from the respected Principal sir and the experts in the field – **Enclosure - II**

6. The members unanimously resolved to authorize the Chairperson of the BoS to finalize the **list of Examiners and Paper setters for B.Sc. Microbiology programme**- **Enclosure –**

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