

**Institute of Applied Sciences & Humanities
Department of Biotechnology**

Agenda for 8th Meeting of Board of Studies


Date- 07-07-2018

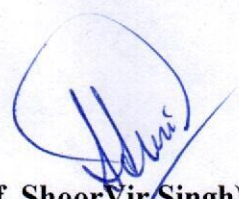
Time- 11:00 AM

Venue- Chamber of HOD Biotechnology, GLAIPS, Second Floor VI Block

Agenda Items-

1. Approval and Confirmation of the minutes of last meeting.
2. Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
3. To consider and approve introduction of CBCS (choice based credit system) in the I year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
4. To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
5. Any agenda with permission of the chair.


(Dr. Vishal Khandelwal & Dr. Alok Bharadwaj)
Secretary


(Prof. Shoor Vir Singh)
Chairman

**Institute of Applied Sciences & Humanities
Department of Biotechnology**

Minutes of the 8th Meeting of Board of Studies

Date- 07/07/2018

Time- 11.00 am

Venue- Chamber of HOD Biotechnology, GLAIPS, Second Floor VI Block

Members Present-

- Prof. S.V.Singh, HOD & Chairman BOS
- Dr. A.K.Bhatia, Prof., Dept. of Biotechnology, GLAU
- Dr. Om Parkash, Former Deputy Director, JALMA, Agra
- Dr. Deepar Das, HOD, Dept. of Biotechnology, GLAU
- Dr. Vishal Khandelwal, Assistant Professor, Member & Secretary BOS Biotechnology
- Dr. Alok Bhardwaj, Assistant Professor, Member & Secretary BOS Microbiology
- Dr. AnjnaGoel, Associate Professor, Member BOS
- Dr. Pradeep Choudhary, Assistant Professor, Member BOS
- Dr. Rama Sharma, Assistant Professor, Member BOS
- Mr. Aditya Saxena, Assistant Professor, GLAU
- Mr. Nitin Wahi, Assistant Professor, GLAU
- Mrs. Anuja Mishra, Assistant Professor, GLAU
- Dr. Gaurav Pant, Assistant Professor, GLAU
- Ms. Jyoti Sharma, Lecturer, GLAU

Sub.: Meeting of Board of Studies B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. Microbiology & Immunology).

Sir,

It is to inform you that the meeting of Board of Studies in the subject of B.Sc. (Hons.) Biotechnology and M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) has been fixed on 7th July, 2018 at 11:00 am in the Chamber of undersigned.

The agenda in meeting will include:

1. To consider and approve the minutes of last meeting of BOS.
2. Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
3. To consider and approve introduction of CBCS (choice based credit system) in the I year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
4. To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
5. Any agenda with permission of chair.

Discussion & Suggestions:

Agenda No. 1:

Minutes of last meeting has been approved and confirmed.

Agenda No.2:

Approval of courses having focus on employability/entrepreneurship/skill development in B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology).

Members considered and approve the same. Details enclosed as Annexure I.

Agenda No. 3:

To consider and approve introduction of CBCS (choice based credit system) in the I year of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

Members considered and approve the same. Details enclosed as Annexure II.

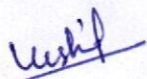
Agenda No. 4:

To consider and approve introduction of new courses in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

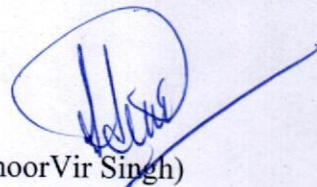
On the basis of feedback obtained from various stakeholders (Alumni, Faculty, Student and Employer) department presented detail of new courses to be introduced. After thorough discussion BOS approved the same. Details enclosed as Annexure III.

Agenda No. 5

Any agenda with permission of the chair.




(Dr. Vishal Khandelwal & Dr. Alok Bharadwaj)
Secretary



(Prof. ShoorVir Singh)
Chairman

**List of courses having focus on employability/ entrepreneurship/ skill development offered by the
Department (2018-19)**

S.No.	Name of the Course	Focus on Employability/ Entrepreneurship/ Skill development
1	Chemistry-I	Employability
2	Cell Biology	Employability
3	Biostatistics	Skill development
4	Chemistry-I Lab	Employability, Skill development
5	Cell Biology Lab	Skill development
6	Environmental Biotechnology Lab	Skill development
7	Biomolecules	Skill development
8	Chemistry-II	Employability
9	Environmental Science	Skill development
10	Computer Fundamentals and Applications	Skill development
11	Biomolecules Lab	Skill development
12	Chemistry-II Lab	Employability
13	Computer Application in Biotechnology Lab	Skill development
14	Genetics	Employability
15	Molecular Biology	Employability, Skill development
16	Chemistry – III	Employability
17	Plant Science - II	Employability
18	Genetics and Molecular Biology Lab	Skill development
19	Evolution and Ecology	Employability
20	Chemistry – III Lab	Skill development
21	Plant Science -II and Evolution & Ecology Lab	Skill development
22	Microbiology	Employability, Skill development
23	Environmental Biotechnology	Employability, Skill development
24	Fermentation Technology	Employability, Skill development
25	Bio – Informatics	Employability, Skill development
26	Instrumentation and Bio - Analytical Techniques	Skill development
27	Microbiology Lab	Employability, Skill development
28	Environmental Biotechnology and Fermentation Technology Lab	Skill development
29	Bio-Informatics Lab	Skill development
30	Instrumentation and Bio - Analytical Techniques Lab	Employability, Skill development
31	Biochemistry	Employability
32	Plant Biotechnology	Employability
33	Food and Industrial Biotechnology	Employability, Skill development
34	Immunology	Employability
35	Recombinant DNA Technology (RDT)	Employability, Skill development
36	Biochemistry Lab	Employability, Skill development
37	Plant Biotechnology & Food and Industrial Biotechnology Lab	Employability, Skill development
38	Immunology Lab	Employability, Skill development
39	Recombinant DNA Technology (RDT) Lab	Employability, Skill development
40	Animal Biotechnology	Employability
41	Genomics and Proteomics	Employability
42	Role of Biotechnology in Forensic science	Employability, Skill development
43	Enzymology	Employability
44	Clinical Microbiology	Employability, Skill development



45	Stem cell Technology	Entrepreneurship, Skill development
46	Drug Discovery & Development	Entrepreneurship, Skill development
47	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
48	Animal Biotechnology Lab	Employability, Skill development
49	Genomics and Proteomics Lab	Employability, Skill development
50	Role of Biotechnology in Forensic science Lab	Employability, Skill development
51	Enzymology Lab	Employability, Skill development
52	Clinical Microbiology Lab	Employability, Skill development
53	Project Training	Skill development
54	Advance Biostatistics	Skill development
55	Biochemistry	Employability
56	Bioinformatics	Employability, Skill development
57	Biophysical Techniques	Employability, Skill development
58	Biostatistics & Biochemistry Lab	Employability, Skill development
59	Bioinformatics Lab	Employability, Skill development
60	Biophysical Techniques & Cell Biology Lab	Employability, Skill development
61	Microbiology	Employability
62	Immunology	Employability
63	Environmental Biotechnology	Employability, Skill development
64	Genetics & Molecular Biology	Employability, Skill development
65	Microbiology Lab	Employability, Skill development
66	Immunology Lab	Employability, Skill development
67	Genetic and Molecular Biology Lab	Employability, Skill development
68	Plant Biotechnology	Employability
69	Animal Biotechnology	Employability
70	Bioprocess Engineering & Fermentation Technology	Employability, Skill development
71	RDT, Genomics & Proteomics	Employability, Skill development
72	Nanobiotechnology	Employability, Skill development
73	Enzyme Technology	Employability
74	Clinical Research in Medicinal plants	Entrepreneurship, Skill development
75	Clinical Immunology	Entrepreneurship, Skill development
76	Nutritional Biochemistry	Employability, Skill development
77	Drug Designing and Development	Entrepreneurship, Skill development
78	Plant Biotechnology and Bioprocess Engineering & Fermentation Technology Lab	Employability, Skill development
79	Animal Biotechnology and Environmental Biotechnology Lab	Employability, Skill development
80	Nanobiotechnology Lab	Employability, Skill development
81	Enzyme Technology Lab	Employability, Skill development
82	Clinical Research in Medicinal plants Lab	Entrepreneurship, Skill development
83	Clinical Immunology Lab	Entrepreneurship, Skill development
84	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
85	Project Work	Skill development
86	General Microbiology	Skill development
87	General Microbiology & Biostatistics Lab	Employability, Skill development

88	Biochemistry and Biophysical Technique Lab	Employability, Skill development
89	Systemic Bacteriology and Mycology	Employability
90	Systemic Virology	Employability
91	Bacteriology & Mycology Lab	Employability, Skill development
92	Genetics, Molecular Biology and Virology Lab	Employability, Skill development
93	Fermentation Technology and Industrial Microbiology	Entrepreneurship, Skill development
94	Food, Dairy and Agricultural Microbiology	Employability, Skill development
95	Advanced Immunology	Employability
96	Environmental Microbiology	Employability, Skill development
97	Animal Cell Culture	Employability
98	Environmental Microbiology Lab	Employability, Skill development
99	Nanobiotechnology Lab	Employability, Skill development
100	Animal Cell Culture Lab	Employability, Skill development
101	Fermentation Technology, RDT & Genomics & Proteomics Lab	Entrepreneurship, Skill development
102	Food, Dairy, Agricultural Microbiology & Advanced Immunology Lab	Employability, Skill development
103	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
104	Project Work	Skill development
105	Research Methodology	Employability, Skill development
106	Bioinformatics & Instrumentation	Employability, Skill development
107	Biological Chemistry	Employability

Dr. S.V. Singh
Professor & Head, Dept. of Biotechnology
GLA University, Mathura (U.P.), INDIA