

Institute of Applied Sciences & Humanities Department of Biotechnology

Agenda for 6th Meeting of Board of Studies

Date- 15-06-2016

Time- 10:00 AM

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

Agenda Items-

- 1. To consider and approve the minutes of last meeting of BOS.
- 2. To consider & approve the modified syllabi of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- 3. Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- **4.** To consider and approve introduction of new course in the M.Sc. (Microbiology & Immunology) program.
- 5. Any agenda with permission of the chair.

(Vishal Khandelwal & Dr. Alok Bharadwaj) Secretary (Prof. A.K. Bhatia) Chairman



Institute of Applied Sciences & Humanities Department of Biotechnology

Minutes of the 6th Meeting of Board of Studies

Date- 15.06.2016

Time- 10:00 AM

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

Members Present-

- Prof. A.K. Bhatia, HOD & Chairman BOS
- · Dr. Uttam K Pati, Dean School of Biotechnology, JNU, New Delhi
- · Dr. Om Parkash, Dy. Director, Scientist F, JALMA, Agra
- Prof. MeenakshiBhajpai, HOD, IPR
- Mr. Vishal Khandelwal, Assistant Professor, Member & Secretary BOS Biotechnology
- Dr. AnjnaGoel, Associate Professor, Member BOS
- Dr. Alok Bhardwaj, Assistant Professor, Member & Secretary BOS Microbiology
- Dr. Rama Sharma, Assistant Professor, Member BOS
- Mr. Aditya Saxena, Assistant Professor, Member BOS
- Mr. Nitin Wahi, Assistant Professor, Member BOS

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 15th June, 2016 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. To consider & approve the modified syllabit of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

- 3. Approval of courses imparting employability/entrepreneurship/skill development in the B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.
- 4. To consider and approve introduction of new course in the M.Sc. (Microbiology & Immunology) program.
- 5. Any agenda with permission of chair.

Discussion & Suggestions:

Agenda No.1

To confirm and approve the minutes of last meeting of BOS.

Agenda No. 2

Approval of modified syllabi of B.Sc. (Hons.) Biotechnology, M.Sc. (Biotechnology) and M.Sc. (Microbiology & Immunology) programs.

On the basis of various feedbacks received from different stakeholders (Employer, Student, Faculty and Alumni) the revision/up gradation/modification in syllabus of existing courses in various programs is proposed as follows:

Programme	No. of Courses under consideration for revision	Name of the Courses under consideration for revision
B.Sc. (H) Biotechnology	6	 Developmental Biology Biomolecules Molecular Biology Evolution and Ecology Environmental Science Fermentation Technology
M.Sc.(Biotechnology)	5	 Biochemistry Biophysical Techniques Bioinformatics Immunology Animal Biotechnology
M.Sc. (Microbiology & Immunology)	6	 Biochemistry Biophysical Techniques General Microbiology Bioinformatics Immunology Environmental Microbiology

The member considered and approved the same.

Syllabi of above courses are enclosed as Annexure-I.

Agenda No. 3:

Approval of courses imparting employability/entrepreneurship/skill development in the 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 course in the M.Sc. (Microbiology & Immunology) program.

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

Agenda No. 5

Any agenda with permission of chair.

Seeing the importance of computer Science & IPR (Intellectual Property Right), both these courses have been introduced in B.Sc. (H) Biotechnology - I semester & B.Sc. (H) Biotechnology - VI Semester respectively. Committee discussed over it & approved it.

The meeting ended with the vote of thanks to the chair.

(Vishal Khandelwal & Dr. Alok Bharadwaj)

Secretary

(Prof. A.K. Bhatia) Chairman

List of courses having focus on employability/entrepreneurship/skill development offered by the Department (2016-17)

S.No.	Department (2016-17)		
	Traine of the Course	Focus on Employability/	
1	Computers Fundamentals and applications	Skill development	
2	Chemistry- I	Employability	
3	Cell Biology and Environmental Science Lab	Skill development	
4	Computer Fundamentals Practical	Skill development	
5	Chemistry -I Lab	Employability, Skill development	
6	Human Physiology	Employability	
7	Developmental Biology	Employability	
8	Chemistry – II	Employability	
9	Biomolecules	Skill development	
	Plant Science – I	Skill development	
700	English In Practice I	Employability	
	Chemistry-II Lab	Employability	
13	Biomolecules, Human Physiology and Developmental Biology Lab	Skill development	
14	Plant Science -I Lab	Skill development	
	Genetics	Employability	
	Molecular Biology	Employability, Skill development	
	Evolution and Ecology	Employability	
	Chemistry – III	Employability	
19 F	Plant Science - II	Employability	
20 (Genetics and Molecular Biology Lab		
21 C	hemistry – III Lab	Skill development	
22 P	lant Science -II and Evolution & Ecology Lab	Skill development	
23 N	ficrobiology	Skill development	
24 E	nvironmental Biotechnology	Employability, Skill development	
25 Fe	ermentation Technology	Employability, Skill development	
26 B	o – Informatics	Employability, Skill development	
.7 In	strumentation and Bio - Analytical Techniques	Employability, Skill development	
8 M	icrobiology Lab	Skill development	
9 En	vironmental Biotechnology and Fermentation Technology Lab	Employability, Skill development	
0 Bi	o-Informatics Lab	Employability, Skill development	
1 Ins	strumentation and Bio - Analytical Techniques Lab	Skill development	
2 Bio	ochemistry	Employability, Skill development	
	nt Biotechnology	Employability	
	od and Industrial Biotechnology	Employability	
	munology	Employability, Skill development	
	combinant DNA Technology (RDT)	Employability	
	chemistry Lab	Employability, Skill development	
	Jan	Employability, Skill development	



38	Plant Biotechnology & Food and Industrial Biotechnology Lab	Employability, Skill development
39	Immunology Lab	Employability, Skill development
40	Recombinant DNA Technology (RDT) Lab	Employability, Skill development
41	Animal Biotechnology	Employability
42	Genomics and Proteomics	Employability
43	Role of Biotechnology in Forensic science ,	Employability, Skill development
44	Drug Discovery & Development	Entrepreneurship, Skill development
45	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
46	Animal Biotechnology Lab	Employability, Skill development
47	Genomics and Proteomics Lab	Employability, Skill development
48	Project Training	Skill development
49	Biostatistics and Math	Skill development
50	Biochemistry	Employability
51	Bioinformatics	Employability, Skill development
52	Biophysical Techniques	Employability, Skill development
53	Biostatistics & Biochemistry Lab	Employability, Skill development
54	Bioinformatics Lab	Employability, Skill development
55	Biophysical Techniques & Cell Biology Lab	Employability, Skill development
56	Microbiology	Employability
57	Immunology	Employability
58	Enzyme Technology	Employability
59	Genetics & Molecular Biology	Employability, Skill development
60	Genetic Engineering, Genomics & Proteomics	Employability, Skill development
61	Microbiology & Immunology Lab	Employability, Skill development
62	Enzyme Technology Lab	Employability, Skill development
63	Molecular Biology, RDT, Genomics & Proteomics Lab	Employability, Skill development
64	Plant Biotechnology	Employability
65	Animal Biotechnology	Employability
66	Bioprocess Engineering & Fermentation Technology	Employability, Skill development
67	Nanobiotechnology	Employability
68	Plant Biotechnology and Bioprocess Engineering & Fermentation	Employability, Skill development
69	Animal Biotechnology and Environmental Biotechnology Lab	Employability, Skill development
70	Nanobiotechnology Lab	Employability, Skill development
71	IPR, Biosafety and Bioethics	Entrepreneurship, Skill development
72	Project Work	Skill development
73	General Microbiology	Employability
74	General Microbiology & Biostatistics Lab	Employability, Skill development
75	Bioinformatics Lab	Employability, Skill development
76	Systemic Bacteriology and Mycology	Employability
77	Systemic Virology	Employability



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78	Environmental Microbiology	Employability, Skill development
79	Immunology, Bacteriology & Mycology Lab	Employability, Skill development
80	Genetics, Molecular Biology and Virology Lab	Employability, Skill development
81	Environmental Microbiology Lab	Employability, Skill development
82	Fermentation Technology and Industrial Microbiology	Entrepreneurship, Skill development
83	Food, Dairy and Agricultural Microbiology	Employability, Skill development
84	RDT, Genomics & Proteomics	Employability, Skill development
85	Advanced Immunology	Employability
86	Fermentation Technology, RDT & Genomics & Proteomics Lab	Employability, Skill development
87	Food, Dairy, Agricultural Microbiology & Advanced Immunology	Employability, Skill development
88	Project Work	Skill development
89	Research Methodology	Employability, Skill development
90	Bioinformatics & Instrumentation	Employability, Skill development
91	Biological Chemistry	Employability

