



**Curriculum Feedback Collection,
Analysis and Action Taken Report
For
Academic Year 2020-2021**





SYMBIOSIS SCHOOL OF BIOLOGICAL SCIENCES

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A' grade (3.58/4) | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Action Taken Report for Academic Year 2020-2021

Sr. No	Particulars / Action Point	Action Taken
1	I would like to recommend the genetic basis of cancer and the mechanics of oncogenic mutations and carcinogens in bit more detail.	No action was taken as cancer biology is already covered in ongoing courses.
2	There was more visual learning	Due to the current pandemic situation, the classes were conducted online. There is no action taken at this point.
3	Some more industry-based knowledge can be incorporated	Internship already added to the programme structure starting Batch 2021-23.
4	Cells of the immune system were covered during Bachelor's degree	Students come from different UG backgrounds. The topic is not covered for all in UG. Therefore no action taken.
5	Recommend Stem cell biology course in the programme	Already included in the syllabus of 2021. Hence No action taken.
6	The plan the or Internal examination should be rearranged	The point is discussed in the IQAC meeting conducted in Dec 2020 and action taken by preparing a detailed schedule for all internal exams in the future.
7	Recommend new topic on Practical on Advanced Fermentation Techniques	No action was taken due to the unavailability of faculty expertise.
8	The new topic can be included in the environmental biotechnology course i.e. Practical's on Environmental Analytical Chemistry	No action was taken due to the unavailability of faculty expertise.
9	RM: Inclusion of Research and Publication Ethics	The topic is already covered in ongoing RM Course.
10	Recommended topics in Genetic Analysis: 1. Research methodology and Scientific writing 2. Biosafety, Bioethics & Intellectual Property Right	No action was taken due to the unavailability of faculty expertise.
11	Recommend inclusion of new topic in Advanced Molecular Biology: DNA Damage repair	The topic is already covered in ongoing the AMB Course.



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	apoptosis and cancer	
12	RDT: Topics such as genome editing techniques such as using CRISPR-Cas9 Recombinant protein expression in yeast need to be included in RDT	The topic is already covered in ongoing Genetic Engineering Course.
13	A new course on Infection Biology can added	No action was taken due to the unavailability of faculty expertise.
14	I believe that Bioinformatics is a topic that should be emphasized more since it is the need of the present times.	A new course called Practicals in Bioinformatics has already been added starting Batch 2021-23.
15	Microbiology techniques / GC	Already included in the updated syllabus
16	Entrepreneurship in Biotechnology (Can be an elective course) Internship shall also be included	No action was taken due to the unavailability of faculty expertise..
17	Internship at an industry in Pune/Mumbai/Bangalore/Hyderabad would add a lot to the students ability to gain critical skills required for working in industry and provide them with the right contacts to seek an employment with good fit.	Internship already added as an elective to Research Project in Semester 4.
18	Plant biotechnology is ignored. Agriculture and drug discovery is a good information to be added.	The M.Sc. Biotechnology programme is designed to focus in animal biotechnology. No action taken.
19	Drug Nutrient Interaction. I would suggest to merge the advanced molecular biology & recombinant DNA Technology courses. And add a course on $\Delta\alpha_2\gamma$ Recombinant protein and gene	No action taken. The two courses have distinct course objectives.
20	The faculty has recommended Analytical Biotechnology topic, where essential lab techniques with their working principals can be taught.	The point could not be implemented due to unavailability of faculty expertise.
21	The faculty has recommended a new course on Infection Biology / Cancer Biology Program in Molecular	The point could not be implemented due to unavailability of faculty expertise.



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	Biology / Human Genetics	
22	The faculty has recommended following topics to be added in the syllabus: Biosafety Bioethics in Research Methodology Biostatistics as a separate course DNA repair; Apoptosis cancer biology as a separate course Bio entrepreneurship & IPR as a separate FoHS course	The point could not be implemented due to the unavailability of faculty expertise.
23	Students have recommended the following topics/courses to be added in the programme structure: 1. Molecular Diagnostics 2. Biophysics 3. Computational Programing for bioinformatics genomic and proteomics since it has become developing field nowadays 4. Cancer vaccine and therapeutics introduction to case studies related to immunological disorders 5. The topic Mutations was introduced during this course which seemed very interesting and it would be nice if it was introduced as a complete course itself.	Topic #1, #3, #4, #5 already covered in AMB. Genomics & Proteomics, Practicals in Bioinformatics, and other courses, #2 can't be initiated due to the unavailability of faculty expertise. Therefore, no action taken.
24	Students have recommended the following topics/courses to be added in the programme structure: plant tissue culture, 3-D bioprinting topic	The M.Sc. BT programme is designed to focus on Animal Biotechnology, so no action can be taken.
25	Students have recommended the practical course on Genomics and Proteomics like introduction to databases for protein structure determination etc. Proteomics	Already implemented. Practicals in Bioinformatics to begin from Batch 2021-23



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	<p>application in plants and heart failure</p> <p>HNMR DLS (dynamic light scattering)</p> <ul style="list-style-type: none"> Practicals on Computational programming for bioinformatics 	
26	<p>RDT and molecular biology has very major overlap. some experiments like making competent cells transformation of bacterial cells isolation of nucleic acids etc are very useful in RDT.</p>	<p>Actually, there is no common experiments to both the courses. Some of the experiments that students learn in Practicals in Molecular Biology are also used in the current course and that creates the false impression of the overlap.</p>

Faculty In Charge / Coordinator
Dr. Satyajeet Khare



Dr. Anuradha Vaidya
Officiating Director, SSBS

DIRECTOR
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Detailed Feedback Analysis and Review for Academic Year 2020-2021

Sr No	Stakeholder	Number of Respondents
1	Students	65
2	Teachers	24
3	Employers/Industry Experts	5
4	Alumni	12

Student Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Clarity	24.6	50.8	21.5	1.5	1.5	100.0
Relevance	21.5	55.4	20.0	3.1	0.0	100.0
Learning	13.8	46.2	27.7	7.7	4.6	100.0
Applicability / relevance to real life situations	23.1	53.8	20.0	3.1	0.0	100.0
Coverage	29.4	55.9	8.8	5.9	0.0	100.0



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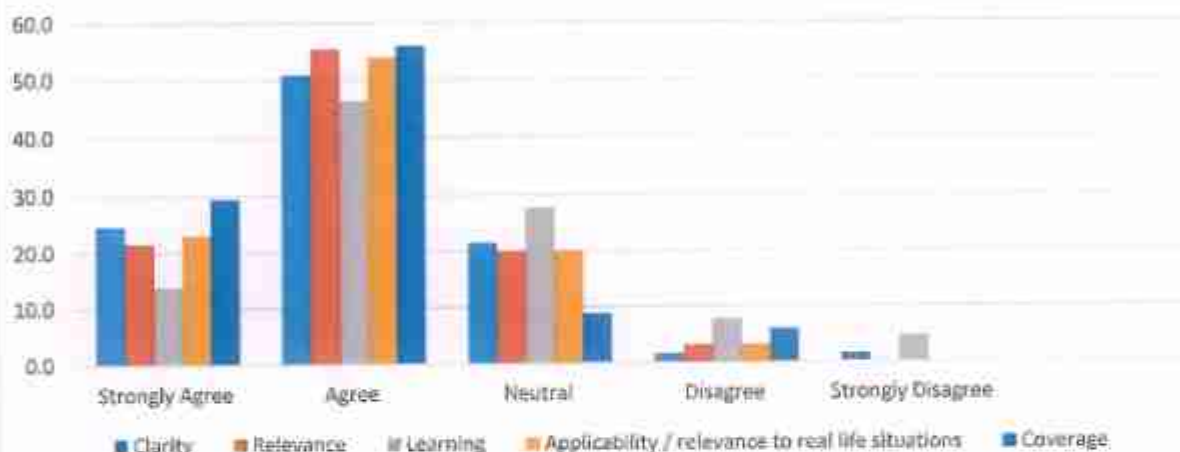
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Students Feedback Analysis (%) for AY 2020-2021



Faculty in Charge / Coordinator
Dr. Satyaajeet Khare



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Re-accredited by NAAC with 'A' grade (3.68/4) | Awarded Category - I by UGC

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Name of the Institute: Symbiosis School of Biological Sciences (SSBS)					
Name of the Program: Master of Science (Biotechnology)					
Students Feedback for design and review of the syllabus					
Academic Year: 2020-21					
Feedback is collected twice a year towards the end of odd and even semesters. At the end of the semesters the feedback is compiled and presented to the subsequent Institutional Quality Assurance Committee (IQAC) meeting followed by the Program Review Committee (PRC) meeting.					
No. of Respondents : 65					
Questionnaire with parameter wise number of responses: (Please fill analysis of scale/ choice based questions only. Please do not mention text based /descriptive question responses here)					
Academic Year : '2020-2021'	Institute : Symbiosis School of Biological Sciences			Turn : All	
Faculty : All	Subject : All			Total Number of Respondents : 27 Show List	
Remaining Respondents Count : 14 Show List	Name of Report: Analysis & Action taken on Student Feedback			Class / Semester: MSC-BT-I (2020-2022)SEM I (2020-2022)	
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	16	33	14	1	1
The curriculum is relevant to and provides for flexibility to meet my learning needs	14	36	13	1	
Adequate co-curricular learning opportunities are provided to me to support the curricular learning	9	30	18	5	1



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Re-accredited by NAAC with 'A' grade (3.56/4) | Awarded Category - I by UGC

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The course is relevant to the industry requirements.	15	35	13	2	
The number of hours allocated to the course are adequate.	12	36	13	4	1

Question	Parameters	
	Yes	No
Placement of the course is in the appropriate semester. If No, Please specify the correct semester	2	63
Any suggestions for the faculty to improve	3	62
The topics were overlapping with the courses taught earlier / during the semester. If Yes, name such topics with course details	2	31
Would you recommend any new course/topic to be added in the program structure?	3	30

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Name of the Institute: Symbiosis School of Biological Sciences (SSBS)						
Name of the Program: Master of Science (Biotechnology)						
Teachers Feedback for design and review of syllabus						
Academic Year: 2020-21						
Feedback is collected twice a year towards the end of odd and even semesters. At the end of the odd semesters the feedback is compiled and presented to the subsequent Institutional Quality Assurance Committee (IQAC) meeting followed by the Program Review Committee (PRC) meeting.						
No. of Respondents :24						
Academic Year : '2020-2021'		Institute : Symbiosis School of Biological Sciences		Program : Master of Science (Biotechnology)-040342		
Total Number of Respondents : 9 Show List		Partially filled Respondents : 0 Show List				
Feedback Type : Curriculum Feedback - Faculty		Turn :		Name of Report: Analysis & Action taken on other types of Feedback		

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	I am given enough freedom to contribute my ideas on curriculum design and development.	21	3			
2	The faculty members/teachers are supported with adequate learning resources.	17	7			
3	The faculty members/teachers are encouraged to establish linkages with Industry.	17	7			



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4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	15	9			
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Sr.No.	Question	Parameters	
		Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	50%	50%

Teachers Feedback %

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	
1	Flexibility	87.5	12.5	0	0	0	100
2	Support	70.83333333	29.16667	0	0	0	100
3	Motivation	70.83333333	29.16667	0	0	0	100
4	Relevance	62.5	37.5	0	0	0	100



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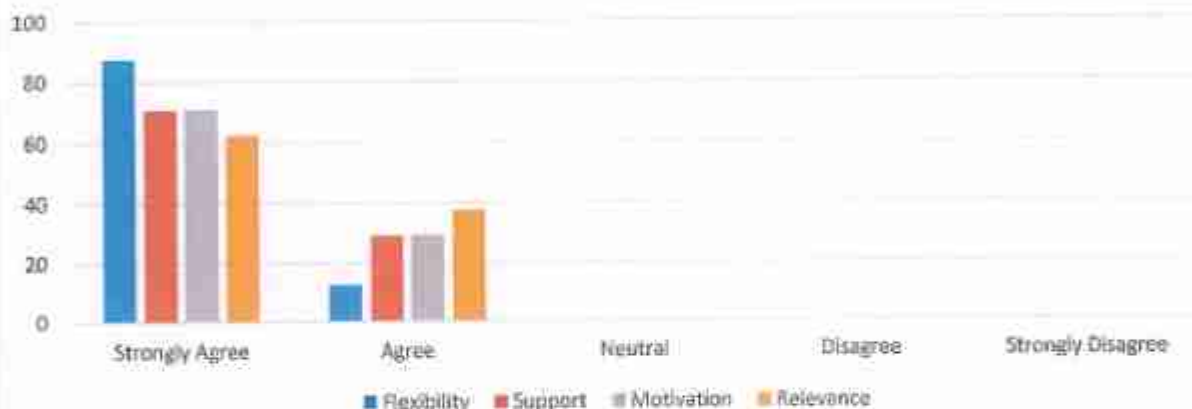
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Teachers Feedback Analysis % for A.Y. 2020-21



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Name of the Institute: Symbiosis School of Biological Sciences (SSBS)						
Name of the Program: Master of Science (Biotechnology)						
Alumni Feedback for design and review of syllabus						
Academic Year: 2020-21						
Feedback is collected twice a year towards the end of odd and even semesters. At the end of the odd semesters the feedback is compiled and presented to the subsequent Institutional Quality Assurance Committee (IQAC) meeting followed by the Program Review Committee (PRC) meeting.						
No. of Respondents : 12						
Academic Year : '2020-2021'	Institute : Symbiosis School of Biological Sciences			Program : Master of Science (Biotechnology), Master of Science (Nutrition and Dietetics)- 040342, 040343		
Total Number of Respondents : 12 Show List	Partially filled Respondents : 0 Show List					
Feedback Type : Curriculum Feedback - Alumni	Turn : 2			Name of Report: Analysis & Action taken on other types of Feedback		
Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The institute curriculum has prepared me adequately for the job roles, I have handled and been handling.	8.33% (1)	66.67% (8)	16.67% (2)		8.33% (1)
2	The curriculum of the program is well designed and promotes learning experience of the students.	8.33% (1)	58.33% (7)	25% (3)		8.33% (1)
3	The courses offered in the Institute have relevance to	33.33% (4)	41.67% (5)	25% (3)		



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	societal needs and employment potential.					
4	The institute encourages contribution from Alumni in curriculum and student development.	16.67% (2)	66.67% (8)	8.33% (1)		8.33% (1)

Sr.No.	Question	Parameters	
		Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	25% (3)	75% (9)

Alumni Feedback %

Alumni Feedback % Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Applicability / relevance to real life situations	8.33	66.67	16.67	0.00	8.33	100
Depth	8.33	58.33	25.00	0.00	8.33	100
Employability / Growth	33.33	41.67	25.00	0.00	0.00	100
Involvement	16.67	66.67	8.33	0.00	8.33	100



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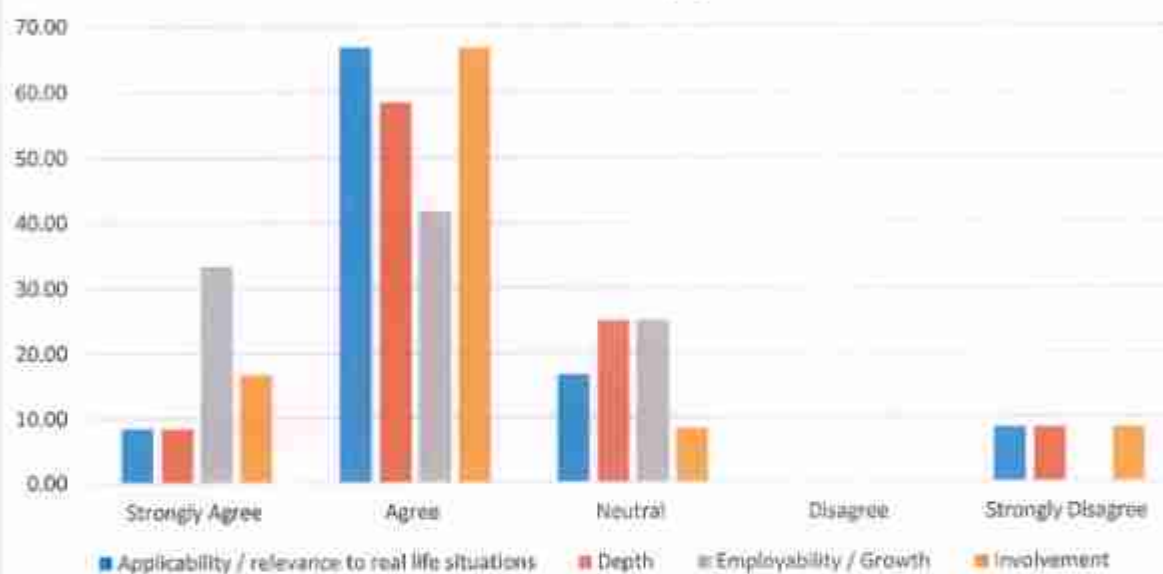
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ALUMNI FEEDBACK ANALYSIS (%) FOR AY 2020-2021



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Name of the Institute: Symbiosis School of Biological Sciences (SSBS)					
Name of the Program: Master of Science (Biotechnology)					
Industrial Experts Feedback for design and review of syllabus					
Academic Year: 2020-21					
Feedback is collected twice a year towards the end of odd and even semesters. At the end of the odd semesters the feedback is compiled and presented to the subsequent Institutional Quality Assurance Committee (IQAC) meeting followed by the Program Review Committee (PRC) meeting.					
No. of Respondents : 5					
Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree
1	The curriculum has a good blend of theory and practical aspects	1	3		1
2	The students of the programme are adequately trained in terms of knowledge, skills and values		4		1
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment		4	1	



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4	The courses offered in the Institute have relevance to societal needs and employment potential.		4	1	
Sr.No.	Question	Parameters			
		Yes	No		
1	Would you recommend any new course/topic to be added in the program structure?	100% (5)	-		



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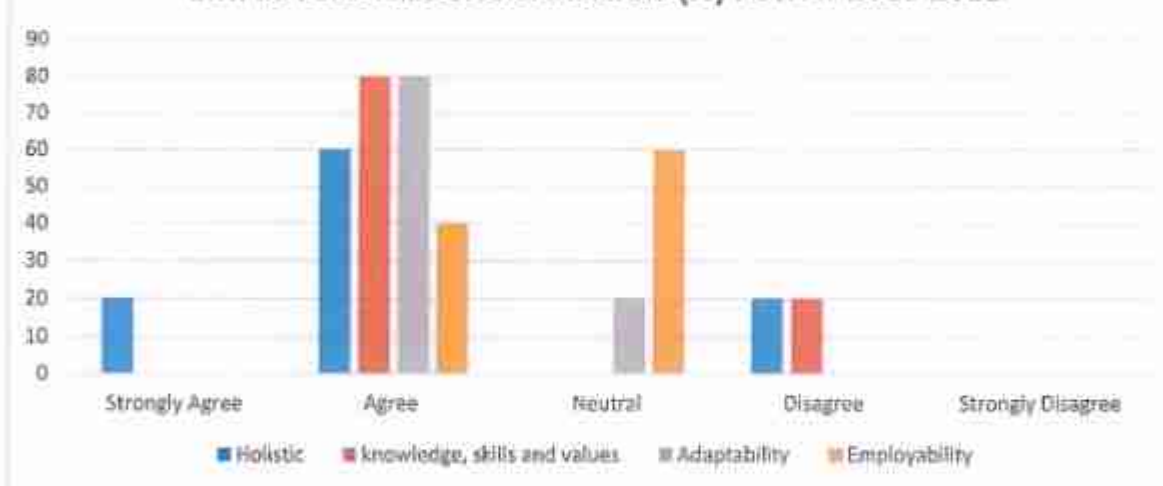
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Employer Feedback %

Parameter	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total
Holistic	20	60	0	20	0	100
knowledge, skills and values	0	80	0	20	0	100
Adaptability	0	80	20	0	0	100
Employability	0	40	60	0	0	100

EMPLOYERS FEEDBACK ANALYSIS (%) FOR AY 2020-2021



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