

SYMBIOSIS INSTITUTE OF HEALTH 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) Celebrating 50 Years of Excellence




Name of the Institute: Symbiosis Institute of Health Sciences Name

Name of the Programme: Bachelor of Science Radiotherapy

Academic Year: 2021-2022

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Dr. Sammita Jadhav
Director, SIHS

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Celebrating 50 Years of Excellence

Name of the Institute: SYMBIOSIS INSTITUTE OF HEALTH SCIENCES						
Name of the Program: Bachelor of Science (Radiotherapy)						
Student Feedback on Curriculum						
Academic Year: 2021-22 (Batch 2019-22, 2020-23 & 2021-24)						
No. Of Respondents: 17						
Sr No	Question	STRONGLY AGREE	AGREE	NEUTRAL	DISAGREE	STRONGLY DISAGREE
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses	1	1	6	9	6
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	12	7	3	1	0
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	12	8	2	0	0
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	11	9	2	0	0
5	The course is relevant to the industry requirements.	12	8	2	0	1
6	The number of hours allocated to the course are adequate.	12	7	3	0	0

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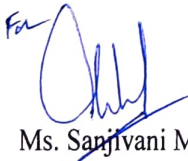
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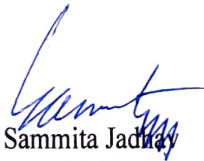
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7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	11	7	4	0	0
8	My performance in internal evaluation was discussed with me.	12	8	2	0	0
9	Rate the faculty teaching the course.	13	4	4	1	0
Sr. No						
Particulars / Action Point		Action Taken				
1	Case study specific course	Will increase the case studies				

For

 Ms. Sanjivani Maral
 Assistant Professor, SIHS


 Dr. Sammita Jadav
 Director, SIHS

Student 1

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree

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1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses	Strongly Agree				
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs			Neutral		
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	Strongly Agree				
5	The course is relevant to the industry requirements.			Neutral		
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	Strongly Agree				
8	My performance in internal evaluation was discussed with me.			Neutral		
9	Rate the faculty teaching the course.					

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

Student 2

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
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1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses				Disagree
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*			Neutral	
3	The curriculum is relevant to and provides for flexibility to meet my learning needs		Agree		
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning				Disagree
5	The course is relevant to the industry requirements.		Agree		
6	The number of hours allocated to the course are adequate.		Agree		
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.			Neutral	
8	My performance in internal evaluation was discussed with me.		Agree		
9	Rate the faculty teaching the course.				

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

Student 3

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
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1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses				Disagree	
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*		Agree			
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning		Agree			
5	The course is relevant to the industry requirements.	Strongly Agree				
6	The number of hours allocated to the course are adequate.			Neutral		
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.			Neutral		
8	My performance in internal evaluation was discussed with me.	Strongly Agree				
9	Rate the faculty teaching the course.					

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

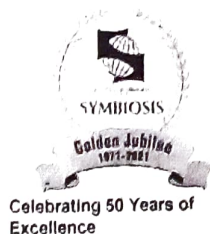
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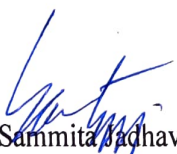
Name of the Institute: SIHS
Name of the Program: Bachelor of Science (Radiotherapy)
Faculty Curriculum Feedback Analysis
Academic Year: 2021-22 (Batch 2019-22, 2020-23 & 2021-24)
No. of Respondents : 03

Sr. No	Parameter	Strongly agree	Agree	Neutral	Disagree	Strongly Disagree	Total
1	I am given enough freedom to contribute my ideas on curriculum design and development.	3	0	0	0	0	3
2	The faculty members/teachers are supported with adequate learning resources.	3	0	0	0	0	3
3	The faculty members/teachers are encouraged to establish linkages with Industry.	3	0	0	0	0	3
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	3	0	0	0	0	3

Sr. No	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	-	3

Sr. No	Particulars / Action Point	Action Taken
1	There is need to revise hour for organizational behavior	Will discuss with faculty and incorporate the suitable changes
2	To rearrange the sequence of courses for effective learning.	Will discuss with faculty and incorporate the suitable changes to give more emphasis on enhancing Courses


 Ms. Sanjivani Maral
 Assistant Professor, SIHS


 Dr. Sammita Jadhav
 Director, SIHS

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1- Teacher : -Anatomy II(0401220203)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

2- Teacher : -Pathology(0401220202)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

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3- Teacher : -Physiology II(0401220204)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

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Name of the Institute: Symbiosis Institute of Health Sciences																																																
Name of the Program: B.Sc. Radiotherapy																																																
Employers Feedback for design and review of syllabus																																																
Academic Year: 2021-22 (Batch 2019-22, 2020-23 & 2021-24)																																																
Feedback was collected through handing hardcopy handouts/questionnaires to the Delegates during interview process/placements, through email. Various questions were asked by the employers for design and review of the syllabus in order to make students industry ready.																																																
No. of Respondents : 02																																																
<table border="1"> <thead> <tr> <th>Sr No</th> <th>Question</th> <th>Excellent</th> <th>Very Good</th> <th>Good</th> <th>Average</th> <th>Bad</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>The courses offered in the institute have relevance to societal needs and employment potential</td> <td>2</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>The curriculum has a good blend of theory and practical aspects</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>The students of the programme are adequately trained in terms of knowledge, skills and values</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment</td> <td>1</td> <td>1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Would you recommend any new courses/ topic to be added in programme structure?</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>							Sr No	Question	Excellent	Very Good	Good	Average	Bad	1	The courses offered in the institute have relevance to societal needs and employment potential	2	1				2	The curriculum has a good blend of theory and practical aspects	2					3	The students of the programme are adequately trained in terms of knowledge, skills and values	1	1				4	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	1	1				5	Would you recommend any new courses/ topic to be added in programme structure?					
Sr No	Question	Excellent	Very Good	Good	Average	Bad																																										
1	The courses offered in the institute have relevance to societal needs and employment potential	2	1																																													
2	The curriculum has a good blend of theory and practical aspects	2																																														
3	The students of the programme are adequately trained in terms of knowledge, skills and values	1	1																																													
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<table border="1"> <thead> <tr> <th>Sr No</th> <th>Question</th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Would you recommend any new courses/ topic to be added in programme structure?</td> <td>1</td> <td>1</td> </tr> </tbody> </table>							Sr No	Question	Yes	No	1	Would you recommend any new courses/ topic to be added in programme structure?	1	1																																		
Sr No	Question	Yes	No																																													
1	Would you recommend any new courses/ topic to be added in programme structure?	1	1																																													
Summary of Feedback Analysis and Action Taken:																																																

Symbiosis International (Deemed University) Campus, Hill Base, Lavale, Pune 412 115 Maharashtra, India.

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Sr. No	Particulars / Action Point	Action Taken
A.	Medico Legal	Planning to incorporate medical law ethics as a core subject.

Ms. Sanjivani Maral
Assistant Professor, SIHS

Dr. Sammita Jadhav
Director, SIHS

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Name of the Institute: Symbiosis Institute of Health Sciences

Name of the Program: B.Sc. Radiotherapy

Parent Feedback for design and review of syllabus

Academic Year: 2021-22 (Batch 2019-22, 2020-23 & 2021-24)

The feedback from alumni was taken through questionnaires on emails, and through interactions during their visits to campus and the action taken after discussion with the faculty and academic experts. Various questions were asked based on their experience and suggestions were asked for the improvement of the curriculum.

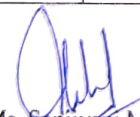
No. of Respondents : 14


Sr No	Question	Excellent	Very Good	Good	Average	Bad
1	There is a positive change in the behaviour of my ward after joining the Institute.	2	3	5	3	1
2	The curriculum would make my ward employable and industry ready.	1	3	6	2	2
3	The curriculum provides a choice of courses/specialization to select.	3	5	2	4	

Sr No	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	3	11

Summary of Feedback Analysis and Action Taken:

Sr. No	Particulars / Action Point	Action Taken
A.	Curriculum should be revised every year	Revision of the curriculum done by internal faculty and approved by SIU registrar on yearly basis.

For

 Ms. Sanjivani Maral
 Assistant Professor, SIHS


 Dr. Sammita Jadhav
 Director, SIHS



Name of the Institute : Symbiosis Institute of Health Sciences
Name of the Program : Bachelor of Science (Radiotherapy)
Students Feedback for design and review of Syllabus
Academic Year : '2021-2022'

Average Number of Respondents : 6
Number of Respondents : 6

Five Star Question Type

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses	1	1	3		1
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	5	1			
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	5	1			
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	4	2			
5	The course is relevant to the industry requirements.	4	1			1
6	The number of hours allocated to the course are adequate.	5		1		
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	4	1	1		
8	My performance in internal evaluation was discussed with me.	4	2			
9	Rate the faculty teaching the course.	4		2		

Yes/No With Remark Question Type

Sr.No.	Question	Yes	No
1	The topics were overlapping with the courses taught earlier / during the semester.	3	3
2	Would you recommend any new course / topic to be added in the program structure?		6
3	Placement of the course is in the appropriate semester. If No, Please specify the correct semester	5	1
4	Any suggestions for the faculty to improve	2	4

Student 1

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses			Neutral		
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	Strongly Agree				
5	The course is relevant to the industry requirements.	Strongly Agree				
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	Strongly Agree				
8	My performance in internal evaluation was discussed with me.	Strongly Agree				
9	Rate the faculty teaching the course.					

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

Student 2

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses			Neutral		
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				

4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	Strongly Agree				
5	The course is relevant to the industry requirements.	Strongly Agree				
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	Strongly Agree				
8	My performance in internal evaluation was discussed with me.		Agree			
9	Rate the faculty teaching the course.					

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

Student 3

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses	Strongly Agree				
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	Strongly Agree				
5	The course is relevant to the industry requirements.	Strongly Agree				
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	Strongly Agree				
8	My performance in internal evaluation was discussed with me.	Strongly Agree				
9	Rate the faculty teaching the course.					

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

Student 4

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses			Neutral		
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	Strongly Agree				
5	The course is relevant to the industry requirements.	Strongly Agree				
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	Strongly Agree				
8	My performance in internal evaluation was discussed with me.	Strongly Agree				
9	Rate the faculty teaching the course.					

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

Student 5

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses					Strongly Disagree
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*		Agree			
3	The curriculum is relevant to and provides for flexibility to meet my learning needs		Agree			
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning		Agree			
5	The course is relevant to the industry requirements.					Strongly Disagree
6	The number of hours allocated to the course are adequate.	Strongly Agree				
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.			Neutral		
8	My performance in internal evaluation was discussed with me.		Agree			
9	Rate the faculty teaching the course.					

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

Student 6

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The course was overlapping with the courses taught earlier / during the semester. If Agree, Name such courses		Agree			
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	Strongly Agree				
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	Strongly Agree				
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning		Agree			

5	The course is relevant to the industry requirements.		Agree			
6	The number of hours allocated to the course are adequate.			Neutral		
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.		Agree			
8	My performance in internal evaluation was discussed with me.	Strongly Agree				
9	Rate the faculty teaching the course.					

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

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Learning Management System

Name of the Institute : Symbiosis Institute of Health Sciences	
Name of the Program : Bachelor of Science (Radiotherapy)	
Teachers Feedback for design and review of syllabus	
Total Number of Respondents : 3	Academic Year : '2021-2022'

Single Option Type Question

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.	3				
2	The faculty members/teachers are supported with adequate learning resources.	3				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	3				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	3				

Yes/No Type Question

Sr.No.	Question	Parameters	
		Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	-	3

1- Teacher : -Anatomy II(0401220203)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

2- Teacher : -Pathology(0401220202)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

3- Teacher : -Physiology II(0401220204)PP

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.	Strongly Agree				
2	The faculty members/teachers are supported with adequate learning resources.	Strongly Agree				
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

This is a system generated report and does not require signature.



Name of the Institute : Symbiosis Institute of Health Sciences	
Name of the Program : Bachelor of Science (Radiotherapy)	
Employers Feedback for design and review of syllabus	
Total Number of Respondents : 2	Academic Year : '2021-2022'

Single Option Type Question

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The curriculum has a good blend of theory and practical aspects	1	1			
2	The students of the programme are adequately trained in terms of knowledge, skills and values	2				
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	1	1			
4	The courses offered in the Institute have relevance to societal needs and employment potential.	1	1			

Yes/No Type Question

Sr.No.	Question	Parameters	
		Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	1	1

1- Employer :

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The curriculum has a good blend of theory and practical aspects	Strongly Agree				
2	The students of the programme are adequately trained in terms of knowledge, skills and values	Strongly Agree				
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	Strongly Agree				

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	The courses offered in the Institute have relevance to societal needs and employment potential.	Strongly Agree				

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	Yes	

2- Employer :

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	The curriculum has a good blend of theory and practical aspects		Agree			
2	The students of the programme are adequately trained in terms of knowledge, skills and values	Strongly Agree				
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment		Agree			
4	The courses offered in the Institute have relevance to societal needs and employment potential.		Agree			

Sr.No.	Question	Yes	No
1	Would you recommend any new course/topic to be added in the program structure?		No

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Name of the Institute : Symbiosis Institute of Health Sciences	
Name of the Program : Bachelor of Science (Radiotherapy)	
Parents Feedback for design and review of syllabus	
Total Number of Respondents : 14	Academic Year : '2021-2022'

Single Option Type Question

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	There is a positive change in the behaviour of my ward after joining the Institute.	2	3	5	3	1
2	The curriculum would make my ward employable and industry ready.	1	3	6	2	2
3	The curriculum provides a choice of courses/specialization to select.	3	5	2	4	

Yes/No Type Question

Sr.No.	Question	Parameters	
		Yes	No
1	Would you recommend any new course/topic to be added in the program structure?	3	11

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Ms.Sanjivani Maral <sanjivani@sihspune.org>

SIHS Programme Review Committee for PG programmes scheduled on Friday, 26th March, 2021 at 2.30pm

Ms.Sanjivani Maral <sanjivani@sihspune.org>

Wed, Mar 24, 2021 at 5:50 PM

To: Dean FOHBS <deanfohs@siu.edu.in>, dr_jadhav <dr_jadhav@sihspune.org>, Kavitha Menon <kavitha@sihspune.org>, "Dr. Raghupathy Anchala" <draghupathy@sihspune.org>, "Dr.Pramod Mishra" <drpramod@sihspune.org>, Ms Abha Arya <abha@sihspune.org>, Radhika Hedao Hedao <radhika@sihspune.org>, sonal dixit <sonaldixit@gmail.com>, aakash soni <soni.aakash106@gmail.com>, kulkarniaankita@gmail.com, karoor.akshay@yahoo.com, mailmadhu.nair@gmail.com, "Dr. Pravin Dange" <head_academics@siu.edu.in>, Disha Foundation Delhi-NCR <foundation.disha@gmail.com>, drsanjaypathare@gmail.com

Dear All,

Greetings from Symbiosis!!!

SIHS **Programme Review Committee (PRC)** for Undergraduate programmes is scheduled as follows:

Day & Date: Friday, 26th March, 2021

Time: 2.30pm to 4pm.

Venue: Virtual (will share the Google meet link closure to the schedule)

All members are requested to kindly make it convenient to attend the meeting.

PFA Agenda for your reference.

Thanking you,

Regards,

Sanjivani

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Sanjivani Maral
Asst Prof, Health Sciences,
Symbiosis International University
Pune, Maharashtra, India



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

Symbiosis Institute of Health Sciences (SIHS)

Programme Review Committee - AGENDA

AGENDA

Day & Date : Friday, 26 March 2021

Time: 2.30 to 4pm

Venue : Symbiosis Institute of Health Sciences (Virtual meet).

➤ **Points for discussion: -**

'A' – ADMINISTRATIVE MATTERS

1. Confirmation of Minutes & action taken report of PRC held on 26 Oct, 2020.

'B' – ACADEMIC MATTERS

1. New course proposal

- Global Health Diplomacy – 2 credits

2. Review of MBA (HHM) Programme

- Review of Programme Outcomes (PO) & Course Outcomes (CO) for MBA (HHM).
- Stakeholders feedback & action taken
- CO-PO attainment analysis & curriculum improvement
- Review of Programme structure for 2022-2024
- Any modification in the existing Programme structure of 2021-2023

3. Review of M.Sc. Medical Technology Programme

- Review of Programme Outcomes (PO) & Course Outcomes (CO) for M.Sc. MT
- Stakeholders feedback & action taken
- CO-PO attainment analysis & curriculum improvement
- Review of Programme structure for 2022-2024
- Any modification in the existing Programme structure of 2021-2023

4. Review of Master of Public Health

- Review of Programme Outcomes (PO) & Course Outcomes (CO) for MPH.
- Stakeholders feedback & action taken
- CO-PO attainment analysis & curriculum improvement
- Review of Programme structure for 2022-2024
- Any modification in the existing Programme structure of 2021-2023

5. Review of M.Sc. Nutrition and Dietetics

- Review of Programme Outcomes (PO) & Course Outcomes (CO) for M.Sc. Nutrition and Dietetics
- Stakeholders feedback & action taken
- CO-PO attainment analysis & curriculum improvement
- Review of Programme structure for 2022-2024
- Any modification in the existing Programme structure of 2021-2023

6. Proposal for Introducing a new specialization on Food Safety and quality Management in MSc Nutrition & Dietetics Programme

‘C’ – Any other item, with permission of chair.

Dr. Rajiv Yeravdekar
Chairperson, PRC, SIHS
Director, SIHS

Programme Review Committee (PRC) Meeting Attendance

Day & Date: Friday, 26 March, 2021

Time: 2:30 pm

Venue: Virtual through Google Meet

1	Dr. Rajiv Yeravdekar Director, SIHS	Chairperson	Present
2	Dr. Sammita Jadhav Deputy Director – Academics, SIHS	Member Secretary	Present
3	Dr. Kavitha Menon Professor, SIHS	Member	Present
4	Dr. Raghupathy Anchala Professor, SIHS	Member	Present
5	Dr. Pramod Mishra Associate Professor, SIHS	Member	Present
6	Ms. Sanjivani Maral Assistant Professor, SIHS	Member	Present
7	Ms. Abha Arya Assistant Professor, SIHS	Member	Present
8	Ms. Radhika Hedao Assistant Professor, SIHS	Member	Present
9	Dr. Sonal Dixit (Alumnus from MBA HHM) Chief Operations, Sahyadri Hospitals	Member	Present
10	Mr. Akash Soni (Alumnus from M.Sc. MT) Sr. Respiratory Therapist, S L Raheja Hospital, Mahim, Mumbai General Secretary- Maharashtra Chapter - IARC Executive Board Member for Indian Academy of Respiratory Care	Member	Present
11	Ms. Ankita Kulkarni (Alumnus from M.Sc. N&D) Food Product Domain Specialist, True Elements, Pune	Member	Present

12	Mr. Akshay Karoor Zonal Marketing Head – Infection Control, Getinge India	Member	Absent (with permission and approval from the Chairperson)
13	Dr. Sanjay K. Pathare Director, Medical Services & Business Development, Ruby Hall Clinic, Pune	Member	Absent (with permission and approval from the Chairperson)
14	Mr. Madhu Nair Director, Enhance Life science, Pune	Member	Absent (with permission and approval from the Chairperson)
15	Dr. Subhojit Dey Executive Director, Disha Foundation	Member	Absent (with permission and approval from the Chairperson)
16	Dr. Pravin Dange Head – Academics, SIU	Member	Absent (with permission and approval from the Chairperson)
17	Ms. Veena Lakhwani Coordinator, Academics Department, SIU	(Representing Academics SIU - Dr. Pravin Dange)	Present
18	Mr. Milind Chunkhare Assistant Professor, SIHS	Invited Member	Present

Dr. Rajiv Yeravdekar
Chairperson, PRC, SIHS
Dean, FoHS, SIU



SYMBIOSIS INSTITUTE OF HEALTH SCIENCES (SIHS)

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(Established under section 3 of the UGC act 1956 vide Notification No. F.9-12/2001-

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Ref: SIHS /2021

Dated: 16/4/2021

**Programme Review Committee (PRC)
Minutes of Meeting**

Day & Date: Friday, 26th March 2021

Time: 2:30 pm

Venue: Symbiosis Institute of Health Sciences, Virtual Google meet.

Minutes of the PRC Meeting

Attendees:

1. Dr. Rajiv Yeravdekar : Chairperson
Director, SIHS
2. Dr. Sammita Jadhav : Member Secretary
Deputy Director – Academics, SIHS
3. Dr. Kavitha Menon : Member
Professor, SIHS
4. Dr. Raghupathy Anchala : Member
Professor, SIHS
5. Dr. Pramod Mishra : Member
Asst. Prof., SIHS
6. Ms. Sanjivani Maral : Member
Asst. Prof., SIHS
7. Ms. Abha Arya : Member
Asst. Prof., SIHS
8. Ms. Radhika Hedaoo : Member
Asst. Prof., SIHS
9. Dr. Sonal Dixit (Alumnus from MBA HHM) : Member
Chief Operations, Sahyadri Hospitals
10. Mr. Akash Soni (Alumnus from M.Sc. MT) : Member
Sr. Respiratory Therapist, S L Raheja Hospital, Mumbai
General Secretary- Maharashtra Chapter - IARC
Executive Board Member for Indian Academy of Respiratory Care
11. Ms. Ankita Kulkarni, (Alumnus from M.Sc. ND) : Member
Food Product Domain Specialist, True Elements, Pune

PRC MoM 26 March 2021

Page 1 of 6

Invited Members:

1. Mr. Milind Chunkane
Asst Professor, MT Programme, SIHS
2. Ms. Veena Lakhwani
Representing Academics, SIU.

Absentees with permission and approval from the Chairperson:

1. Mr. Akshay Karoor : Member
Zonal Marketing Head – Infection Control, Getinge India
2. Dr. Sanjay K. Pathare : Member
Director, Medical Services & Business Development,
Ruby Hall Clinic, Pune
3. Mr. Madhu Nair : Member
Director, Enhance Life science, Pune
4. Dr. Subhojit Dey : Member
Executive Director, Disha Foundation
5. Dr. Pravin Dange : Member
Head – Academics, SIU

Discussion on matters arising:

A. Administrative Matters:

Action taken report for PRC held on 27th Oct 2020 was presented to all members.

B. Academic Matters:

Item No. B1:

1. Review of programme structure of MBA (HHM) Programme

Discussion:

The stakeholder's feedback analysis & COPO mapping for MBA (HHM) programme were discussed & deliberated. There were no major suggestions for curriculum, COPO mapping & programme structure.

Resolution No. B1: PRC: 26.03.2021

Resolved to continue the existing programme structure of MBA-HHM (Batch 2022-24) & propose to BoS & Academic council for further approval.

2. Review of programme structure of M.Sc. Medical Technology

Discussion:

The COPO mapping of M.Sc. MT programme was deliberated during PRC and the PRC Members suggested no modifications. Feedback analysis from stakeholders – students, alumni, faculty & industry was discussed, however there were no major changes suggested for curriculum.

Course in ‘Telemedicine Technology’ was added in the program structure of MSc MT program (Batch 2020-22 & 2021-23 batches) & the Dissertation course credits were changed to 3 credits.

Resolution No. B2: PRC: 26.03.2021

- a. Resolved to accept the modification of addition of ‘Telemedicine Technology’ course in the programme structures for MSc MT 2020-22 & 2021-23.
- b. Resolved to continue with the upgraded programme structure of MSc MT Batch 2022-24 with addition of Course in ‘Telemedicine Technology’ for further approval process by BoS & Academic Council.

3. Review of programme structure of Master of Public Health

Discussion:

The following modifications were proposed:

1. The feedback analysis from stakeholders suggested no changes & continued to have present programme structure. However addition of current topics on Global Health to be introduced.
2. Recommended to incorporate the Global Health Diplomacy replacing the existing semester 4 course on Global Health.
3. To reduce the credits for Internship course from 10 to 5 credits & call it as Summer Internship Programme (5 credits) & shift the course from 4th Semester into 3rd semester.
4. To introduce a course on Project – with 5 credits in 4th semester.

New course proposal: Global Health Diplomacy – 2 credits

We propose to include this new course in the curriculum for the fourth semester of the MPH programme for the following reasons:

- 1) To help the public health students critically analyse the role of diplomacy in an evolving Global health sector
- 2) To understand the importance of global health diplomacy to advance the Sustainable Development Goals, which are an essential learning in public health.

While developing this new 2-credit course in Global Health Diplomacy, suggestions & feedback were obtained from the Diplomats & experts working with WHO.

Resolution No. B3: PRC: 26.03.2021

- a. Resolved to forward the Global Health Diplomacy – 2 credits course to Public Health sub-committee for developing & approving the course content and including in course catalogue of FoHS.
 - b. Resolved to incorporate the course on Global Health Diplomacy & modification in Internship courses as Summer Internship Programme in 3rd semester & Project in 4th semester in the MPH (Batch 2021-23) programme.
 - c. To consider the modifications & approve the program structure for MPH (Batch 2022-24) & proposed to BoS & Academic council for further approval.
-

4. Review of programme structure of M.Sc. Nutrition and Dietetics

Discussion:

Stakeholders Feedback of each of the Masters programme -

The stakeholder feedback analysis is in the process. Based on the inputs and suggestions, modifications could be considered and the necessary actions will be pursued.

COPO attainment of each of the Masters programme -

We propose to continue the existing COPO for the upcoming batch of MSc ND. The analysis of COPO attainment is in progress. Further actions to be considered after completion of the same.

Modifications in course chronology of programme structure -

We propose to bring forward the Biostatistics course to the first semester from the second semester and to delete the course on Food microbiology. The contents of Food Microbiology course to be incorporated to Food quality and Safety and Laboratory Techniques I courses.

Modifications in the course content -

Review of programme structure of M.Sc. Nutrition and Dietetics

a. Genomics, Proteomics and Bioinformatics – 3 credits

We propose to modify the content to suit the nutrigenomics specialization requirements. A few topics could be reduced to match the scope of specialization. Based on the student and faculty feedback the contents could be modified.

b. Lifestyle Disease Management – 3 credits

We propose the upgradation of the existing lifestyle Disease Management course to include relevant emerging areas and new topics.

c. Food Quality & Safety – 3 credits

We propose to upgrade the content of the course and addition of a few topics on food microbiology to compensate the deletion of food microbiology course.

New course development proposed to BoS sub-committee

To comply with the requirements of the choice based credit system we propose the incorporation of two electives in the M.Sc. Nutrition and Dietetics programme structure. The proposed two electives include Food systems & Entrepreneurship in the Food Industry as 2-credit elective courses. The aforementioned changes were proposed based on the feedback of Industry experts and students. Food System is an emerging area in the nutrition domain that emphasises the interrelationship between agriculture, nutrition and health. An elective on Entrepreneurship in the Food industry would equip students with skills to support setting up of individual enterprises after their master's programme.

To accommodate the introduction of the electives, the course on Food Microbiology was deleted and the course on Laboratory Techniques I, and Food Quality and Safety were strengthened with the additional topics relevant to Food Microbiology including the practical section.

New course proposal:

a. Food system – 2 credits

Discussion:

Food system is an upcoming area that connects Agriculture, Nutrition and Health, which is going to transform the area of Nutrition and Dietetics. Industry experts suggested including the course in the programme structure. We propose the same as an elective.

b. Laboratory Technique I – 3 credits

Discussion:

We propose to update the contents with the addition of new topics for practical training with inclusion of more biochemistry and microbiology contents to improve the analytical skill development of students.

All these changes are proposed for M.Sc. ND (Batch 2021-23 & 2022-24).

- **New specialization Food Safety and Quality Management:** New proposed specialization in Food Safety and Quality Management, which was deferred due to COVID situation, is proposed to be offered from the Batch 2022-24.

Resolution No. B4: PRC: 26.03.2021

- a. Resolved to forward the following courses to Nutrition & Dietetics sub-committee for developing & approving the course content and including in course catalogue of FoHS.
 - Food system – 2 credits
 - Laboratory Technique I – 3 credits
- b. Resolved to forward the proposed modifications in the following courses to Nutrition & Dietetics sub-committee for suggestions & approval.
 - Genomics, Proteomics and Bioinformatics – 3 credits
 - Lifestyle Disease Management – 3 credits
 - Food Quality & Safety – 3 credits

- c. Resolved to accept the modifications in the programme structure for M.Sc. ND 2021-23 & continue the same for M.Sc. ND 2022-24 batch & to propose to BoS & Academic council for further approval.
-

C. Any other - Nil

for *Dr. Rajiv Yeravdekar* 16/04/21
Dr. Rajiv Yeravdekar
Chairperson, PRC, SIHS
Dean, FoHS, SIU



SYMBIOSIS INSTITUTE OF HEALTH SCIENCES

Symbiosis International (Deemed University)

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FOUNDER: PROF.DR. S. B. MUJUMDAR M. Sc. Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

ACTION TAKEN REPORT

ACTIONS TAKEN ON THE RESOLUTIONS PASSED BY PROGRAMME REVIEW COMMITTEE IN THE MEETING: 26.03.2021

Item No.	Item	Resolution of PRC	Action Taken	Action Addressee	Annexures
B1	Review of programme structure of MBA (HHM) Programme	<u>Resolution No. B1: PRC: 26.03.2021</u> Resolved to continue the existing programme structure of MBA-HHM (Batch 2022-24) & propose to BoS & Academic council for further approval.	Proposed the programme structure of MBA-HHM (Batch 2022-24) for approval to BoS & Academic Council.	Dr. Pramod Mishra	Annexure 1
B2	Review of programme structure of M.Sc. Medical Technology	<u>Resolution No. B2: PRC: 26.03.2021</u> a. Resolved to accept the addition of 'Telemedicine Technology' course in the programme structures for MSc MT 2020-22 & 2021-23.	Accommodated the course in 'Telemedicine Technology' in the programme structures of M.Sc. MT (Batch 2020-22 & 2021-23) & submitted to BoS for approval.	Mr. Milind Chunkhare	Annexure 2
		<u>Resolution No. B2: PRC: 26.03.2021</u> b. Resolved to continue with the upgraded programme structure of MSc MT Batch 2022-24 with addition of Course in 'Telemedicine Technology' for further	Propose the programme structure of M.Sc. MT (Batch 2022-24) for approval to BoS & Academic Council.	Mr. Milind Chunkhare	Annexure 3



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		approval process by BoS & Academic Council.			
B3	Review of programme structure of Master of Public Health	<p><u>Resolution No. B3: PRC: 26.03.2021</u></p> <p>a. Resolved to forward the Global Health Diplomacy – 2 credits course to Public Health sub-committee for developing & approving the course content and including in course catalogue of FoHS.</p>	Global Health Diplomacy course has been created & approved by Public Health BoS Sub-committees. It is proposed for BoS approval & to be incorporated in the FoHS course catalogue.	Dr. Raghupathy Anchala	Annexure 4
		<p><u>Resolution No. B3: PRC: 26.03.2021</u></p> <p>b. Resolved to incorporate the course on Global Health Diplomacy & modification in Internship courses as Summer Internship Programme in 3rd semester & Project in 4th semester in the MPH (Batch 2021-23) programme.</p>	The 2-credit course in Global Health Diplomacy course has been incorporated in the MPH programme (Batch 2021-23) & proposed for BoS approval.	Dr. Raghupathy Anchala	Annexure 5
		<p><u>Resolution No. B3: PRC: 26.03.2021</u></p> <p>c. To consider the modifications & approve the programme structure for MPH</p>	The 2-credit course in Global Health Diplomacy course has been incorporated in the MPH programme (Batch 2022-24) &	Dr. Raghupathy Anchala	Annexure 6



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		programme (Batch 2022-24) & proposed to BoS & Academic council for further approval.	proposed for BoS & AC approval.		
B4	Review of programme structure of M.Sc. Nutrition and Dietetics	<p><u>Resolution No. B4: PRC: 26.03.2021</u></p> <p>a. Resolved to forward the following courses to Nutrition & Dietetics sub-committee for developing & approving the course contents and including in course catalogue of FoHS.</p> <ul style="list-style-type: none"> ▪ Food system – 2 credits ▪ Laboratory Techniques I – 3 credits 	<p>Food system & Laboratory Technique I courses have been created & approved by Nutrition & Dietetics BoS Sub Committee.</p> <p>Both the courses have been proposed for BoS approval & to be incorporated in the FoHS course catalogue.</p>	Dr Kavitha Menon	Annexure 8
		<p><u>Resolution No. B4: PRC: 26.03.2021</u></p> <p>b. Resolved to forward the proposed modifications in the following courses to Nutrition & Dietetics sub-committee for suggestions & approval.</p> <ul style="list-style-type: none"> • Genomics, Proteomics and Bioinformatics – 3 credits • Lifestyle Disease Management – 3 	<p>a. Genomics, Proteomics and Bioinformatics</p> <p>b. Lifestyle Disease Management</p> <p>c. Food Quality & Safety</p> <p>Modifications in all three courses have been approved by Nutrition & Dietetics BoS Sub Committee & proposed for BoS approval.</p>	Dr. Kavitha Menon	Annexure 9



SYMBIOSIS INSTITUTE OF HEALTH SCIENCES
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 FOUNDER: PROF.DR. S. B. MUJUMDAR M. Sc. Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

		credits <ul style="list-style-type: none"> • Food Quality & Safety – 3 credits 			
		<p><u>Resolution No. B4: PRC: 26.03.2021</u></p> <p>c. Resolved to accept the modifications in the programme structure for M.Sc. ND 2021-23 & continue the same for M.Sc. ND 2022-24 batch & to propose to BoS & Academic council for further approval.</p>	Modified programme structure of M.Sc. ND (Batch 2021-23 & 2022-24) has been proposed to BoS & AC approval.		

Sr *Ganapati*
 Dr. Rajiv Yeravdekar 20/07/21
 Chairperson, PRC, SIHS
 Director, SIHS



Symbiosis Institute of Health Sciences, Pune
Bachelor of Science (Radiotherapy)
Programme Structure 2021-24

1.	OBJECTIVE	To train students in Radiotherapy techniques with specific objective driven learning such as Radiation safety, Special patient preparation before the study to obtain the most accurate result in radiotherapy procedures and handling the machines used for the procedures effectively. These students would be in a position to competently assist the Physician, to cater to the branch of Radiotherapy globally.			
2.	DURATION (IN MONTHS)	36 (Full Time)			
3.	INTAKE	6			
4.	RESERVATION	I. Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)	c) Differently abled (In Percentage)
			15	7.5	3
		II. Over and above the sanctioned intake	a) Kashmiri Migrants (In Seats)	b) International Students (In Percentage)	
			2	15	
5.	ELIGIBILITY	Passed Standard XII (10+2) or equivalent examination from any recognised Board with any two of the following subjects: Physics, Chemistry, Biology, Botany, Zoology, Biochemistry, Microbiology, Mathematics OR equivalent as decided by competent authority			
6.	SELECTION PROCEDURE	Selection based on marks in Qualifying Examination followed by Entrance Examination, Personal Interaction and Written Ability Test.			
7.	MEDIUM OF INSTRUCTION	English			
8.	PROGRAMME PATTERN	Semester			
9.	COURSE & SPECIALIZATION	As per Annexure A			
10.	FEE		Academic Fee p.a	Institute Deposit	Total
			190000	10000	200000
		International Students (USD equivalent to INR)	285000	10000	295000
11.	ASSESSMENT	All internal courses will have 100% component as internal evaluation at the institute level. All external courses will have 40% internal component and 60% external component [University] examination.			
12.	STANDARD OF PASSING	The assessment of the student for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (Outstanding). For all courses, a student is required to pass both internal and external examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students			

		securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum CGPA of 4 out of maximum of 10 CGPA for the programme.
13.	AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE	Bachelor of Science (Radiotherapy) will be awarded at the end of semester VI examination by taking into consideration the performance of all semester examinations after obtaining 4.000 CGPA out of 10 CGPA.

14. NATURE WISE DISTRIBUTION OF CREDITS							
Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	20	1	0	0	0	0	21
2	18	1	0	0	0	1*	19
3	20	0	0	0	0	1*	20
4	16	4	0	0	0	1*	20
5	20	0	0	0	0	0	20
6	20	0	0	0	0	0	20
Total	114	6	0	0	0	0	120

* Satisfactory completion of the non letter grade courses 'Integrated Disaster Management, 'Fitness for Life' and 'Core Environmental Studies' is mandatory for award of degree.

Satisfactory completion of minimum 1 month observer ship with hospital after completion of semester II examination and 3 months of On Job Training with hospital/industry/Research organization after completion of final year (semester VI) examination is mandatory for award of degree.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Head - Academics

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Symbiosis Institute of Health Sciences, Pune
Bachelor of Science (Radiotherapy)
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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credits	Internal Marks	External Mark	Internal Practical Marks	External Practical Marks	Total Marks
Semester : 1									
Generic Core Courses									
T4565	0401220101	Anatomy I		4	40	40	0	20	100
T4948	0401220102	Basic Biochemistry		4	40	40	0	20	100
T4429	0401220103	Physiology I		4	40	40	0	20	100
T4107	0401220104	Basic Pharmacology		2	20	0	0	30	50
T4946	0401220105	Basic Sciences		2	20	0	0	30	50
T4430	0401220106	Hospital Practices and Patient Care I		2	20	0	0	30	50
T4947	0401220107	Communication Skills for Allied Health Professionals - Foundation		1	25	0	0	0	25
T4427	0401220108	Medical Ethics and Legal Aspects		1	25	0	0	0	25
Total				20	230	120	0	150	500
Generic Elective Courses Group									
T4433	0401220109	Computer Skills		1	25	0	0	0	25
T4432	0401220110	Psychology		1	25	0	0	0	25
T4431	0401220111	Sociology		1	25	0	0	0	25
Total Required Credits				1	25	0	0	0	25
Semester : 2									
Generic Core Courses									
T4949	0401220201	Basic Microbiology & Parasitology		4	40	40	0	20	100
T4950	0401220202	Pathology		4	40	40	0	20	100
T4566	0401220203	Anatomy II		3	30	0	0	45	75
T4436	0401220204	Physiology II		3	30	0	0	45	75
TH4093	0401220205	Hospital Practices & Patient Care II		2	20	0	0	30	50
T4435	0401220206	Communication Skills for Allied Health Professionals - Advanced		1	25	0	0	0	25
T4499	0401220207	Medical Physics		1	25	0	0	0	25
TH4095	0401220208	Fitness for Life *		0	0	0	0	0	Non Letter Grade
Total				18	210	80	0	160	450
Generic Elective Courses Group									
T4440	0401220209	Applied Mathematics		1	25	0	0	0	25
T4502	0401220210	Computer Language		1	25	0	0	0	25



Symbiosis Institute of Health Sciences, Pune
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Catalog Course Code	Course Code	Course Title	Specialization	Credits	Internal Marks	External Mark	Internal Practical Marks	External Practical Marks	Total Marks
T4439	0401220211	Nutrition & Dietetics		1	25	0	0	0	25
Total Required Credits				1	25	0	0	0	25
Semester : 3									
Generic Core Courses									
T2208	0401220301	Research Methodology		4	40	40	0	20	100
TH4058	0401220302	Applied Clinical Sciences (Radiotherapy)		2	20	30	0	0	50
T4938	0401220303	Introduction to Medical Imaging		2	20	0	0	30	50
T2560	0401220304	Principles and Practices of Management		2	20	30	0	0	50
TH4014	0401220305	Principles of Practical Radiotherapy		2	20	0	0	30	50
T4375	0401220306	Principles of Radiation Oncology		2	20	30	0	0	50
TH4013	0401220307	Radiation protection and safety		2	20	30	0	0	50
T4376	0401220308	Radiobiology		2	20	30	0	0	50
T4951	0401220309	Basic Patient Assessment		1	25	0	0	0	25
T4441	0401220310	Personality Development for Allied Health Professionals - I		1	25	0	0	0	25
T2883	0401220311	Core Environmental Studies *		0	0	0	0	0	Non Letter Grade
Total				20	230	190	0	80	500
Semester : 4									
Generic Core Courses									
T8000	0401220401	Service Learning		4	100	0	0	0	100
TH4094	0401220402	Practical Brachytherapy and Teletherapy		3	30	0	0	45	75
T4771	0401220403	Fitness and Lifestyle Management		2	50	0	0	0	50
TH4015	0401220404	Patient Set-up in Radiotherapy Treatment		2	20	0	0	30	50
T4380	0401220405	Principles of Brachytherapy & Teletherapy		2	20	30	0	0	50
T4447	0401220406	Personality Development for Allied Health Professionals - II		1	25	0	0	0	25
T4775	0401220407	Self Defence		1	25	0	0	0	25
T4777	0401220408	Yoga		1	25	0	0	0	25



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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
T4005	0401220409	Integrated Disaster Management *		0	0	0	0	0	Non Letter Grade
Total				16	295	30	0	75	400
Generic Elective Courses Group									
T6284	0401220410	Contemporary India and The World		2	50	0	0	0	50
T6507	0401220411	Introduction to Social Justice		2	50	0	0	0	50
T6604	0401220412	Political Science		2	50	0	0	0	50
SWM01	0401220413	Swayam Course		2	50	0	0	0	50
T6477	0401220414	Theater		2	50	0	0	0	50
T6475	0401220415	Creative Writing		1	25	0	0	0	25
T6491	0401220416	Cyber Law		1	25	0	0	0	25
T6487	0401220417	Film Appreciation		1	25	0	0	0	25
T6476	0401220418	World Music		1	25	0	0	0	25
Total Required Credits				4	100	0	0	0	100
Semester : 5									
Generic Core Courses									
T4906	0401220501	Summer Internship Programme		7	70	0	0	105	175
T4383	0401220502	Clinical Oncology- I		4	40	40	0	20	100
TH4016	0401220503	Radiotherapy Dosimetry-I		4	40	40	0	20	100
T4939	0401220504	Applied Management in Radiotherapy Unit		2	20	0	0	30	50
T4451	0401220505	Basic Life Support		2	25	0	0	25	50
T4567	0401220506	Soft Skills for Allied Health Professionals - I		1	25	0	0	0	25
Total				20	220	80	0	200	500
Semester : 6									
Generic Core Courses									
T4806	0401220601	Project		6	60	0	0	90	150
T4996	0401220602	Advanced Cardiac Life Support (ACLS)		4	40	40	0	20	100
TH4018	0401220603	Radiotherapy Machines, Instrumentation and Quality Assurance		4	40	40	0	20	100
TH4017	0401220604	Radiotherapy Dosimetry-II		3	40	0	0	35	75
T4387	0401220605	Clinical Oncology- II		2	30	0	0	20	50
T4568	0401220606	Soft Skills for Allied Health Professionals - II		1	25	0	0	0	25



Celebrating 50 Years of Excellence

Symbiosis Institute of Health Sciences, Pune
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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credits	Internal Marks	External Mark	Internal Practical Marks	External Practical Marks	Total Marks
Total				20	235	80	0	185	500



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Symbiosis Institute of Health Sciences, Pune
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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	3	18	21	525
Semester 2	3	16	19	475
Semester 3	2	18	20	500
Semester 4	13	7	20	500
Semester 5	1	19	20	500
Semester 6	1	19	20	500
Total	23	97	120	3000