

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 - U 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

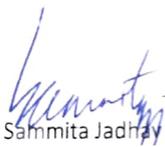
Name of the Institute: Symbiosis Institute of Health Sciences Name

Name of the Programme: Master of Science Medical Technology

Academic Year: 2021-2022

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Dr. Sammita Jadhav
Director



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Name of the Institute: SYMBIOSIS INSTITUTE OF HEALTH SCIENCES

Name of the Program: M.Sc. Medical Technology

Student Feedback on Curriculum

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

No. Of Respondents: 31

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			15	14	1
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	4	12	12	2	
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	5	13	10	1	
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	4	13	11	2	
5	The course is relevant to the industry requirements.	6	11	11	2	
6	The number of hours allocated to the course are adequate.	5	14	10	1	

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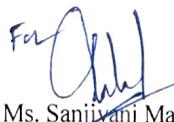
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7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	5	12	10	2	1
8	My performance in internal evaluation was discussed with me.	4	12	10	4	1
9	Rate the faculty teaching the course.	6	8	11	4	1

Sr. No	Particulars / Action Point	Action Taken
1	Internal and External environment analysis taught in Marketing Management (Sem 2) is overlapping.	Will discuss with the faculty and will avoid overlapping
2	Clinical Services and Super specialty are similar subjects	Organization and administration Super specialty is further extension of Clinical services which we teach in Sem 1. Overlapping to small extent is unavoidable.
3	Case study specific course	Will increase the case studies
4	A NEW APPROACH TO BUSINESS ANALYTICS IS REQUIRED	Approach is as per the recommended syllabus
5	Auditing and taxation basic needs to be added in Management accounting.	Will discuss and incorporate


 Ms. Sanjivani Maral
 Assistant Professor, SIHS


 Dr. Sammita Jadhav
 Director

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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				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		Agree			
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.		Agree			
8	My performance in internal evaluation was discussed with me.				Disagree	
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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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)*			Neutral		
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			Neutral		
5	The course is relevant to the industry requirements.			Neutral		
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.			Neutral		
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	

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4	Any suggestions for the faculty to improve		No	
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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			Neutral		
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.		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.	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

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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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C.	More focus on industrial knowledge	Planning to incorporate industry knowledge as elective subject.
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Handwritten signature of Ms. Sanjivani Maral in blue ink.

Ms. Sanjivani Maral
Assistant Professor, SIHS

Handwritten signature of Dr. Sammita Jadhav in blue ink.

Dr. Sammita Jadhav
Director, SIHS

1- Teacher : -Theory and Principles of other Renal Procedures(0401430 423) 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.			Neutral		
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.			Neutral		

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

2- Teacher : - Recent Advances in Renal technology(0401430424)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

3- Teacher : - Clinical Nephrology(0401430223)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.		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.			Neutral		

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

4 -Teacher : -Theory and Principles of Haemodialysis(0401430222)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

1- Teacher : -Procedures in Orthopedic and Trauma Care(0401430426)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.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

2- Teacher : -Transfusion and IV Therapy(0401430427)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.			Neutral		

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 : -Critical Care Services(0401430428)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

4- Teacher : -Recovery Room and Day Care(0401430429)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

5- Teacher : -Techniques in Anesthesia(0401430225)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			

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

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

6- Teacher : -Safety Measures in Operation Theatre(0401430226)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		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: M.Sc. Medical Technology																																									
Alumni Feedback for design and review of syllabus																																									
Academic Year: 2021-22 (Batch 2020-22 & 2021-23)																																									
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 : 04																																									
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C.	Focus on operations	Special invitee's alumni speeches are conducted in a well-organized manner.
D.	More practical based pattern rather than theory	Hospital visit was conducted for the students and department wise operational issues was explained in detail. SIP of 8weeks continued.
E.	Plan more industrial visits	Industry exposure by 8 weeks summer internship program was taken up. Students were deputed in all the six verticals pan India

for

Ms. Sanjivani Maral
Assistant Professor, SIHS


Dr. Sammita Jadhav
Director, SIHS

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Employer Feedback for design and review of syllabus																																																
Academic Year: 2021-22 (Batch 2020-22 & 2021-23)																																																
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.																																																
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<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Particulars / Action Point</th> <th>Action Taken</th> </tr> </thead> <tbody> <tr> <td>A.</td> <td>More exposure to industry sector</td> <td>E textbooks, company literatures, company booklets are shared amongst students via email.</td> </tr> <tr> <td>B.</td> <td>Medico Legal</td> <td>Planning to incorporate medical law ethics as a core subject.</td> </tr> </tbody> </table>							Sr. No	Particulars / Action Point	Action Taken	A.	More exposure to industry sector	E textbooks, company literatures, company booklets are shared amongst students via email.	B.	Medico Legal	Planning to incorporate medical law ethics as a core subject.																																	
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A.	More exposure to industry sector	E textbooks, company literatures, company booklets are shared amongst students via email.																																														
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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

C.	More focus on industrial knowledge .	Planning to incorporate industry knowlege as elective subject.
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Ms. Sanjivani Maral
Assistant Professor, SIHS

Dr. Sammita Jadhav
Director, SIHS

SYMBIOSIS INSTITUTE OF HEALTH SCIENCES

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Name of the Institute: Symbiosis Institute of Health Sciences

Name of the Program: M.Sc. Medical Technology

Parents Feedback for design and review of syllabus

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

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	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	

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 : Master of Science (Medical Technology)
Students Feedback for design and review of Syllabus
Academic Year : '2021-2022'

Average Number of Respondents : 30
Number of Respondents : 31

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			15	14	1
2	I was informed about our expected competencies, course outcomes (CO) and programme outcomes(PO)*	4	12	12	2	
3	The curriculum is relevant to and provides for flexibility to meet my learning needs	5	13	10	1	
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning	4	13	11	2	
5	The course is relevant to the industry requirements.	6	11	11	2	
6	The number of hours allocated to the course are adequate.	5	14	10	1	
7	The faculty used the different pedagogies such as Case studies, Role play, Industry visit, Presentation etc.	5	12	10	2	1
8	My performance in internal evaluation was discussed with me.	4	12	10	4	1
9	Rate the faculty teaching the course.	6	8	11	4	1

Yes/No With Remark Question Type

Sr.No.	Question	Yes	No
1	The topics were overlapping with the courses taught earlier / during the semester.		30
2	Would you recommend any new course / topic to be added in the program structure?		30
3	Placement of the course is in the appropriate semester. If No, Please specify the correct semester	29	1
4	Any suggestions for the faculty to improve	1	29

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)*			Neutral		
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			Neutral		
5	The course is relevant to the industry requirements.			Neutral		
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.			Neutral		
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				Disagree	
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.			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.				Disagree	
8	My performance in internal evaluation was discussed with me.				Disagree	
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	Yes	

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			Neutral		
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			Neutral		
4	Adequate co-curricular learning opportunities are provided to me to support the curricular learning			Neutral		
5	The course is relevant to the industry requirements.				Disagree	
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.				Disagree	
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	Yes	

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				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			Neutral		
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.			Neutral		
6	The number of hours allocated to the course are adequate.				Disagree	
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.		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				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			Neutral		
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.			Neutral		
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.		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 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				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.		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.		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 7

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)*			Neutral		
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			Neutral		
5	The course is relevant to the industry requirements.			Neutral		
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.			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 8

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)*		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			Neutral		
5	The course is relevant to the industry requirements.				Disagree	
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.		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 9

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)*		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.		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.	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 10

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)*			Neutral		
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			Neutral		
5	The course is relevant to the industry requirements.			Neutral		
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.			Neutral		
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 : Symbiosis Institute of Health Sciences	
Name of the Program : Master of Science (Medical Technology)	
Teachers Feedback for design and review of syllabus	
Total Number of Respondents : 24	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.	18	6			
2	The faculty members/teachers are supported with adequate learning resources.	10	13	1		
3	The faculty members/teachers are encouraged to establish linkages with Industry.	13	11			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.	10	11	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?	-	24

1- Teacher : -Theory and Principles of other RenalProcedures(0401430423)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.			Neutral		
3	The faculty members/teachers are encouraged to establish linkages with Industry.	Strongly Agree				

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.			Neutral		

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

2- Teacher : -Recent Advances in Renal Technology(0401430424)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

3- Teacher : -Theory and Principles of Haemodialysis(0401430222)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

4- Teacher : -Clinical Nephrology(0401430223)PP

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

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

5- Teacher : -Procedures in Orthopedic and Trauma Care(0401430426)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.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

6- Teacher : -Transfusion and IV Therapy(0401430427)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.			Neutral		

Sr.No.	Question	Yes	No
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1	Would you recommend any new course/topic to be added in the program structure?		No
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7- Teacher : -Critical Care Services(0401430428)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

8- Teacher : -Recovery Room and Day Care(0401430429)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.		Agree			
2	The faculty members/teachers are supported with adequate learning resources.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

9- Teacher : -Techniques in Anesthesia(0401430225)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		Agree			

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	The syllabus is relevant and adequate in terms of scope, depth, and choice to help develop the required competencies amongst students.		Agree			

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

10- Teacher : -Safety Measures in Operation Theatre(0401430226)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.		Agree			
3	The faculty members/teachers are encouraged to establish linkages with Industry.		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 : Master of Science (Medical Technology)	
Alumni Feedback for design and review of syllabus	
Total Number of Respondents : 4	Academic Year : '2021-2022'

Single Option Type Question

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.	2	1	1		
2	The curriculum of the program is well designed and promotes learning experience of the students.		3	1		
3	The courses offered in the Institute have relevance to societal needs and employment potential.	2	1	1		
4	The institute encourages contribution from Alumni in curriculum and student development.		3	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?	2	2

1- Alumni :

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.			Neutral		
2	The curriculum of the program is well designed and promotes learning experience of the students.			Neutral		
3	The courses offered in the Institute have relevance to societal needs and employment potential.			Neutral		

Sr.No.	Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	The institute encourages contribution from Alumni in curriculum and student development.			Neutral		

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

2- Alumni :

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.	Strongly Agree				
2	The curriculum of the program is well designed and promotes learning experience of the students.		Agree			
3	The courses offered in the Institute have relevance to societal needs and employment potential.	Strongly Agree				
4	The institute encourages contribution from Alumni in curriculum and student development.		Agree			

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

3- Alumni :

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.	Strongly Agree				
2	The curriculum of the program is well designed and promotes learning experience of the students.		Agree			
3	The courses offered in the Institute have relevance to societal needs and employment potential.		Agree			
4	The institute encourages contribution from Alumni in curriculum and student development.		Agree			

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

4- Alumni :

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.		Agree			
2	The curriculum of the program is well designed and promotes learning experience of the students.		Agree			
3	The courses offered in the Institute have relevance to societal needs and employment potential.	Strongly Agree				
4	The institute encourages contribution from Alumni in curriculum and student development.		Agree			

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

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Name of the Institute : Symbiosis Institute of Health Sciences	
Name of the Program : Master of Science (Medical Technology)	
Employers 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	The curriculum has a good blend of theory and practical aspects		3			
2	The students of the programme are adequately trained in terms of knowledge, skills and values		2	1		
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	2				1
4	The courses offered in the Institute have relevance to societal needs and employment potential.	2	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?	-	3

1- 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		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?		No

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			Neutral		
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment					Strongly Disagree
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

3- 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		Agree			
3	The students of the programme demonstrates the ability to learn new things quickly, to adapt, to the dynamic environment	Strongly Agree				
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?		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 : Master of Science (Medical Technology)	
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

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



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
INTERNATIONAL (DEEMED UNIVERSITY)

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

Re-accredited by NAAC with 'A' Grade

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)

A constituent of Symbiosis International University (SIU)

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

U.3 of the Government of India)

Accredited by NAAC with 'A' grade

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



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		credits • Food Quality & Safety – 3 credits			
		<u>Resolution No. B4: PRC: 26.03.2021</u> 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.	Modified programme structure of M.Sc. ND (Batch 2021-23 & 2022-24) has been proposed to BoS & AC approval.		

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



Symbiosis Institute of Health Sciences, Pune
Master of Science (Medical Technology)
Programme Structure 2021-23

1. OBJECTIVE	To provide in-depth knowledge in the specific modality of Medical Technology and prepare the students for leadership roles in hospitals/ diagnostic labs./ research centers/ healthcare industry and provide professional growth to the students in following specializations: a) Cardiac Care b) Respiratory Therapy c) Imaging Sciences d) Clinical Laboratory e) Dialysis & Renal Technology f) OT & Anaesthesia Technology			
2. DURATION (IN MONTHS)	24 (Full Time)			
3. INTAKE	30			
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	<p>Cardiac Care: Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with Cardiac Technology as specialization or equivalent from a recognized university/ Institution of National Importance. OR Bachelors in Life Sciences from a recognized University / Institution of National Importance and diploma / certificate Programme in Cardiac Technology /minimum one year of work experience in the department of Cardiology from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani / Physiotherapy / Nursing from a recognized University / Institution of National Importance.</p> <p>Respiratory Therapy: Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with Respiratory Therapy as specialization or equivalent from a recognized university/ Institution of National Importance. OR Bachelors in Life Sciences from a recognized University / Institution of National Importance and diploma/ certificate Programme in Respiratory Therapy / Technology /minimum one year of work experience in the department of Respiratory Care from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani / Physiotherapy / Nursing from a recognized University / Institution of National Importance.</p> <p>Imaging Sciences: Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with Imaging Sciences as specialization or equivalent from a recognized university/ Institution of National</p>			



Symbiosis Institute of Health Sciences, Pune
Master of Science (Medical Technology)
Programme Structure 2021-23

		<p>Importance OR Bachelors in Physics or Life Sciences as major or equivalent from recognized university / Institution of National Importance with diploma/ certificate Programme in Imaging Sciences /minimum one year of work experience in the department of Radiology from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani from a recognized University / Institution of National Importance.</p> <p>Clinical Laboratory: Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with Clinical Laboratory Technology as specialization / Clinical Laboratory Science or equivalent from a recognized university/ Institution of National Importance OR Bachelors in Life Sciences or equivalent from recognized university / Institution of National Importance with diploma / certificate Programme in Clinical Laboratory /minimum one year of work experience in the department of Clinical laboratory from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani from a recognized University / Institution of National Importance.</p> <p>Dialysis and Renal Technology : Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with Dialysis as specialization or equivalent from a recognized university/ Institution of National Importance OR Bachelors in Life Sciences or equivalent from recognized university / Institution of National Importance with diploma/ certificate Programme in Dialysis/Renal Technology / minimum one year of work experience in the department of Dialysis / Renal Sciences from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani / Physiotherapy / Nursing from a recognized University / Institution of National Importance.</p> <p>OT and Anesthesia Technology: Graduate from any recognized University/ Institution of National Importance with B.Sc. degree in Medical Technology with OT & / Anesthesia as specialization or equivalent from a recognized university/ Institution of National Importance OR Bachelors in Life Sciences or equivalent from recognized university / Institution of National Importance with diploma/ certificate Programme in OT/Anesthesia Technology / minimum one year of work experience in the department of OT/Anesthesia Technology from a reputed institute / related field OR Bachelors in Medicine / Ayurveda / Homeopathy / Unani / Physiotherapy / Nursing from a recognized University or / Institution of National Importance.</p>
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 Students can opt for any one of the following specializations from the first semester. a) Cardiac Care



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		b) Respiratory Therapy c) Imaging Sciences d) Clinical Laboratory e) Dialysis & Renal Technology f) OT & Anaesthesia Technology					
10.	FEE		Academic Fee p.a	Institute Deposit	Total		
		Indian Students	200000	20000	220000		
		International Students (USD equivalent to INR)	300000	20000	320000		
11.	ASSESSMENT	All internal courses will have 100% component as internal evaluation at the institute level. All external courses will have 60% internal component and 40% component as external (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 10 for the programme.					
13.	AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE	Master of Science (Medical Technology)will be awarded at the end of semester IV examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA for the programme.					
14.	NATURE WISE DISTRIBUTION OF CREDITS						
Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	6	1	13	0	0	0	20
2	11	1	10	0	0	1*	22
3	6	1	11	0	0	1*	18
4	10	0	10	0	0	0	20
Total	33	3	44	0	0	0	80
* Satisfactory completion of the non letter grade courses 'Integrated Disaster Management' and 'Research Publication' 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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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									
T2225	0401430101	Research Methodology		2	60	40	0	0	100
T4497	0401430102	Teaching Methodology - I		2	50	0	0	50	100
T4004	0401430103	Biostatistics & Basic Epidemiology		2	60	40	0	0	100
Total				6	170	80	0	50	300
Generic Elective Courses Group									
T4498	0401430104	IT Applications for Allied Health Care		1	50	0	0	0	50
T4499	0401430105	Medical Physics		1	50	0	0	0	50
Total Required Credits				1	50	0	0	0	50
Specialization Core Courses : Cardiac Care									
T4495	0401430106	Cardiology Basics and Chest Roentgenogram	Cardiac Care	4	60	40	0	100	200
T4494	0401430107	Etiopathogenesis of Heart Disease	Cardiac Care	4	60	40	0	100	200
T4797	0401430108	Electro-Physiology, ECG and Stress Test Technique	Cardiac Care	3	60	40	0	50	150
T4493	0401430109	Development of Cardiovascular System and Circulation (Fetal, Neonatal & Adult)	Cardiac Care	2	60	40	0	0	100
Total				13	240	160	0	250	650
Specialization Core Courses : Respiratory Therapy									
T4819	0401430110	Cardiopulmonary Diseases	Respiratory Therapy	4	60	40	0	100	200
T4820	0401430111	Advanced Respiratory Therapy-I	Respiratory Therapy	4	60	40	0	100	200
T4818	0401430112	Basic Sciences (Anatomy and Physiology)	Respiratory Therapy	3	60	40	0	50	150
T4512	0401430113	Cardiopulmonary Pharmacology	Respiratory Therapy	2	60	40	0	0	100
Total				13	240	160	0	250	650
Specialization Core Courses : Imaging Sciences									
T4522	0401430114	Radiation Physics and Protection	Imaging Sciences	4	60	40	0	100	200



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Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
T4809	0401430115	Imaging Equipment (I) -X-Ray and Mammography	Imaging Sciences	4	60	40	0	100	200
T4873	0401430116	Radiographic Photography	Imaging Sciences	3	60	40	0	50	150
T4029	0401430117	Applied Physics in Medical Imaging	Imaging Sciences	2	60	40	0	0	100
Total				13	240	160	0	250	650
Specialization Core Courses : Clinical Laboratory									
T4072	0401430118	Systemic Bacteriology	Clinical Laboratory	4	60	40	0	100	200
T4829	0401430119	Biochemistry	Clinical Laboratory	3	60	40	0	50	150
T4830	0401430120	Parasitology	Clinical Laboratory	3	60	40	0	50	150
T4831	0401430121	Clinical Pathology	Clinical Laboratory	3	60	40	0	50	150
Total				13	240	160	0	250	650
Specialization Core Courses : Dialysis & Renal Technology									
T4844	0401430122	Aetio-Pathology of Renal Disease	Dialysis & Renal Technology	4	60	40	0	100	200
T4845	0401430123	Renal Pharmacology	Dialysis & Renal Technology	4	60	40	0	100	200
T4843	0401430124	Water Treatment	Dialysis & Renal Technology	3	60	40	0	50	150
T4842	0401430125	Renal Anatomy and Physiology	Dialysis & Renal Technology	2	50	0	0	50	100
Total				13	230	120	0	300	650
Specialization Core Courses : Operation Theatre & Anaesthesia Technology									
T4309	0401430126	Pre-Anesthetic Patient Assessment	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150
T4857	0401430127	Anesthetic Fitness Criteria and Pre Surgery Checklist	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150



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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
T4858	0401430128	Infection Control in Operation Theatre	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150
T4855	0401430129	Pre-Operative Patient Investigation	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
T4856	0401430130	Patient Preparation	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
Total				13	300	200	0	150	650
Semester : 2									
Generic Core Courses									
TH4087	0401430201	Review of Literature		4	0	0	0	200	200
T2216	0401430202	Business Statistics		2	60	40	0	0	100
T4023	0401430203	Pathology and Case Presentation-I		2	50	0	0	50	100
T2560	0401430204	Principles and Practices of Management		2	60	40	0	0	100
T4045	0401430205	Teaching Methodology -II		1	50	0	0	0	50
T4005	0401430206	Integrated Disaster Management *		0	0	0	0	0	Non Letter Grade
Total				11	220	80	0	250	550
Generic Elective Courses Group									
T4438	0401430207	Computer Language		1	50	0	0	0	50
T4501	0401430208	Emerging Trends in Allied Health Care		1	50	0	0	0	50
Total Required Credits				1	50	0	0	0	50
Specialization Core Courses : Cardiac Care									
T4798	0401430209	Clinical Cardiology	Cardiac Care	4	60	40	0	100	200
T4799	0401430210	Echocardiography and Peripheral Doppler - I	Cardiac Care	4	60	40	0	100	200
T4800	0401430211	Biomedical Instrumentation in Cardiac Care	Cardiac Care	2	50	0	0	50	100
Total				10	170	80	0	250	500
Specialization Core Courses : Respiratory Therapy									



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Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
T4821	0401430212	Advanced Respiratory Therapy-II	Respiratory Therapy	4	60	40	0	100	200
T4822	0401430213	Critical Care Medicine-I	Respiratory Therapy	4	60	40	0	100	200
T4823	0401430214	Biomedical Instrumentation in Respiratory Therapy	Respiratory Therapy	2	50	0	0	50	100
Total				10	170	80	0	250	500
Specialization Core Courses : Imaging Sciences									
T4810	0401430215	Image Interpretation (X-Ray and Mammography)	Imaging Sciences	3	60	40	0	50	150
T4811	0401430216	Imaging Equipment (II)-Computed Tomography (CT)	Imaging Sciences	3	60	40	0	50	150
T4527	0401430217	Imaging Equipment and Techniques in Ultrasonography (USG)	Imaging Sciences	2	50	0	0	50	100
T4808	0401430218	Techniques in X-Ray and Mammography	Imaging Sciences	2	60	40	0	0	100
Total				10	230	120	0	150	500
Specialization Core Courses : Clinical Laboratory									
T4832	0401430219	Clinical Haematology	Clinical Laboratory	4	60	40	0	100	200
T4833	0401430220	Diagnostic Microbiology	Clinical Laboratory	4	60	40	0	100	200
T4834	0401430221	Instrumentation in Clinical Laboratory	Clinical Laboratory	2	50	0	0	50	100
Total				10	170	80	0	250	500
Specialization Core Courses : Dialysis & Renal Technology									
T4846	0401430222	Theory and Principles of Haemodialysis	Dialysis & Renal Technology	4	60	40	0	100	200
T4847	0401430223	Clinical Nephrology	Dialysis & Renal Technology	4	60	40	0	100	200
T4848	0401430224	Dialysis Equipment	Dialysis & Renal Technology	2	50	0	0	50	100
Total				10	170	80	0	250	500
Specialization Core Courses : Operation Theatre & Anaesthesia Technology									



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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
T4860	0401430225	Techniques in Anesthesia	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150
T4861	0401430226	Safety Measures in Operation Theatre	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150
T4859	0401430227	Anesthetic Agents	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
T4862	0401430228	Biomedical Instrumentation in OT and Anesthesia	Operation Theatre & Anaesthesia Technology	2	50	0	0	50	100
Total				10	230	120	0	150	500

Semester : 3

Generic Core Courses

T4043	0401430301	Pathology and Case Presentation-II		2	50	0	0	50	100
T5090	0401430302	Summer Internship		2	0	0	0	100	100
T4571	0401430303	Hospital Information System		1	50	0	0	0	50
T4063	0401430304	Teaching Methodology -III		1	50	0	0	0	50
T0100	0401430305	Research Publication *		0	0	0	0	0	Non Letter Grade
Total				6	150	0	0	150	300

Generic Elective Courses Group

T4801	0401430306	Community Project		1	50	0	0	0	50
T4506	0401430307	Innovation and Entrepreneurship		1	50	0	0	0	50
Total Required Credits				1	50	0	0	0	50

Specialization Core Courses : Cardiac Care

T4801	0401430308	Echocardiography and Peripheral Doppler-II	Cardiac Care	3	60	40	0	50	150
T4802	0401430309	Cardiac Pacemakers and Cardioverter Defibrillators	Cardiac Care	3	60	40	0	50	150
T4803	0401430310	Cardiac Catheterization	Cardiac Care	3	60	40	0	50	150
T4084	0401430311	Applied Management in Cardiac Care Unit	Cardiac Care	2	50	0	0	50	100



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Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
Total				11	230	120	0	200	550
Specialization Core Courses : Respiratory Therapy									
T4515	0401430312	Critical Care Medicine-II	Respiratory Therapy	3	60	40	0	50	150
T4089	0401430313	Applied Management in Respiratory Therapy Unit	Respiratory Therapy	2	50	0	0	50	100
T4824	0401430314	Advanced Respiratory Therapy-III	Respiratory Therapy	2	60	40	0	0	100
T4825	0401430315	Emergency Medical Services-I	Respiratory Therapy	2	60	40	0	0	100
T4826	0401430316	Cardiopulmonary Rehabilitation	Respiratory Therapy	2	60	40	0	0	100
Total				11	290	160	0	100	550
Specialization Core Courses : Imaging Sciences									
T4814	0401430317	Techniques in Magnetic Resonance Imaging (MRI)	Imaging Sciences	3	60	40	0	50	150
T4094	0401430318	Applied Management in Radiology Unit	Imaging Sciences	2	50	0	0	50	100
T4532	0401430319	Cross-Sectional Anatomy (CT, MRI)	Imaging Sciences	2	50	0	0	50	100
T4812	0401430320	Techniques in Computed Tomography (CT)	Imaging Sciences	2	60	40	0	0	100
T4813	0401430321	Imaging Equipment (III)-Magnetic Resonance Imaging (MRI)	Imaging Sciences	2	60	40	0	0	100
Total				11	280	120	0	150	550
Specialization Core Courses : Clinical Laboratory									
T4835	0401430322	Clinical Biochemistry	Clinical Laboratory	3	60	40	0	50	150
T4836	0401430323	Virology and Mycology	Clinical Laboratory	3	60	40	0	50	150
T4837	0401430324	Blood Banking	Clinical Laboratory	3	60	40	0	50	150
T4543	0401430325	Applied Management in Clinical Laboratory	Clinical Laboratory	2	50	0	0	50	100
Total				11	230	120	0	200	550
Specialization Core Courses : Dialysis & Renal Technology									



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Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
T4849	0401430326	Theory and Principles of Peritoneal Dialysis	Dialysis & Renal Technology	3	60	40	0	50	150
T4850	0401430327	Investigations in Renal Diseases	Dialysis & Renal Technology	3	60	40	0	50	150
T4851	0401430328	Patient Care in Renal Technology	Dialysis & Renal Technology	3	60	40	0	50	150
T4551	0401430329	Applied Management in Renal Care Unit	Dialysis & Renal Technology	2	50	0	0	50	100
Total				11	230	120	0	200	550
Specialization Core Courses : Operation Theatre & Anaesthesia Technology									
T4863	0401430330	Procedures in Thoracic and Cardiac OT	Operation Theatre & Anaesthesia Technology	3	60	40	0	50	150
T4561	0401430331	Applied Management in OT and Anaesthesia Unit	Operation Theatre & Anaesthesia Technology	2	50	0	0	50	100
T4312	0401430332	Procedures in Ear, Nose, Throat (ENT), Ophthalmic and Paediatric OT	Operation Theatre & Anaesthesia Technology	2	50	0	0	50	100
T4864	0401430333	Procedures in Abdomen, Obstretic, Gynaecology and Urology (OBGY & URO)OT	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
TH4086	0401430334	Procedures on Neuro OT	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
Total				11	280	120	0	150	550
Semester : 4									
Generic Core Courses									
T4704	0401430401	Dissertation		5	0	0	0	250	250
T4061	0401430402	Pathology and Case Presentation-III		2	50	0	0	50	100
T4901	0401430403	On Job Training		2	0	0	0	100	100
T4085	0401430404	Teaching Methodology -IV		1	50	0	0	0	50
Total				10	100	0	0	400	500



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Catalog Course Code	Course Code	Course Title	Specialization	Cre-dits	Internal Marks	External Mark	Internal Practical Marks	External Practica I Marks	Total Marks
Specialization Core Courses : Cardiac Care									
T4804	0401430405	Peripheral Catheterization	Cardiac Care	3	60	40	0	50	150
T4805	0401430406	Intensive Cardiac Care Unit (ICCU) and Cardiopulmonary Resuscitation (CPR)	Cardiac Care	3	50	0	0	100	150
T4806	0401430407	Recent Advances in Cardiology	Cardiac Care	2	60	40	0	0	100
T4807	0401430408	Quality Assurance, Standardization and Accreditation (Cardiac Care)	Cardiac Care	2	60	40	0	0	100
Total				10	230	120	0	150	500
Specialization Core Courses : Respiratory Therapy									
T4519	0401430409	Emergency Medical Services-II	Respiratory Therapy	3	60	40	0	50	150
T4517	0401430410	Neonatal and Pediatric Respiratory Care	Respiratory Therapy	3	60	40	0	50	150
T4827	0401430411	Critical Care Medicine-III	Respiratory Therapy	2	60	40	0	0	100
T4828	0401430412	Quality Assurance, Standardization and Accreditation (Respiratory Therapy)	Respiratory Therapy	2	60	40	0	0	100
Total				10	240	160	0	100	500
Specialization Core Courses : Imaging Sciences									
T4536	0401430413	Picture Archiving and Communications System (PACS) and Radiology Information System (RIS) & Teleradiology	Imaging Sciences	2	50	0	0	50	100
T4638	0401430414	Advances in Medical Imaging	Imaging Sciences	2	60	40	0	0	100
T4815	0401430415	Special Investigations and Techniques	Imaging Sciences	2	60	40	0	0	100
T4816	0401430416	Quality Assurance, Standardization and Accreditation (Imaging Sciences)	Imaging Sciences	2	60	40	0	0	100



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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
T4817	0401430417	Calibration and Quality Control in Computerized Tomography (CT) & Magnetic Resonance Imaging (MRI)	Imaging Sciences	2	60	40	0	0	100
Total				10	290	160	0	50	500
Specialization Core Courses : Clinical Laboratory									
T4098	0401430418	Newer Diagnostic Techniques	Clinical Laboratory	2	50	0	0	50	100
T4838	0401430419	Immunology	Clinical Laboratory	2	60	40	0	0	100
T4839	0401430420	Cytology	Clinical Laboratory	2	60	40	0	0	100
T4840	0401430421	Histopathology	Clinical Laboratory	2	60	40	0	0	100
T4841	0401430422	Quality Assurance, Standardization and Accreditation (Clinical Laboratory)	Clinical Laboratory	2	60	40	0	0	100
Total				10	290	160	0	50	500
Specialization Core Courses : Dialysis & Renal Technology									
T4852	0401430423	Theory and Principles of other Renal Procedures	Dialysis & Renal Technology	4	60	40	0	100	200
T4854	0401430424	Recent Advances in Renal Technology	Dialysis & Renal Technology	4	100	0	0	100	200
T4853	0401430425	Quality Assurance, Standardization and Accreditation (Dialysis and Renal Technology)	Dialysis & Renal Technology	2	60	40	0	0	100
Total				10	220	80	0	200	500
Specialization Core Courses : Operation Theatre & Anaesthesia Technology									
T4562	0401430426	Procedures in Orthopedic and Trauma Care	Operation Theatre & Anaesthesia Technology	2	50	0	0	50	100
T4319	0401430427	Transfusion and IV Therapy	Operation Theatre & Anaesthesia Technology	2	50	0	0	50	100



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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
T4865	0401430428	Critical Care Services	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
T4866	0401430429	Recovery Room and Day Care	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
T4867	0401430430	Quality Assurance, Standardization and Accreditation (OT and Anaesthesia)	Operation Theatre & Anaesthesia Technology	2	60	40	0	0	100
Total				10	280	120	0	100	500



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Cardiac Care				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000
Respiratory Therapy				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000
Imaging Sciences				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000
Clinical Laboratory				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000
Dialysis & Renal Technology				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000
Operation Theatre & Anaesthesia Technology				
Semester 1	1	19	20	1000
Semester 2	2	20	22	1100
Semester 3	3	15	18	900
Semester 4	1	19	20	1000
Total	7	73	80	4000