



## Minutes of Board of Studies Meeting

(2016-2017)

Date:2-6-16

Department: School of Paramedic and Allied Health Science

Venue: Board Room (Bhubaneswar Campus)

Agenda:

Course Curriculum revision: CMLT, B. Sc. MLT, M. Sc. MLT, M. Sc. CMB & B. Sc. RIT

**Feedback received from stakeholders (Industry/Alumni/Parent/Student/Faculty);**

Feedback from the MD Microbiologist:

Syllabus compiled for B. Sc. MLT, M. Sc. MLT, M.Sc. CMB is of a standard form as per the paramedics requirement.

**Discussion and Resolutions taken (Syllabus/Evaluation systems etc.):**

Developing syllabus for 1<sup>st</sup> and 2<sup>nd</sup> semester for school of paramedics & allied health sciences (MLT, MRT & M. S CMB)

The syllabus for CMLT, B. Sc. MLT, M. Sc. MLT, M. Sc Clinical microbiology for 1<sup>st</sup> & 2<sup>nd</sup> semester was approved. Most of the subject will be under clinical practice. So, internship and live practical in hospital is suggested.

**Key Remarks;(Please write 2/3 sentences on following points as a summary)**

- Type of curriculum: As per the Allied Medical Council (Govt. of Odisha)
- % of syllabus modified in complete programme: Syllabus was newly developed for each programme
- No of new courses added with credit and % :

Sl. No	Course Title	Type(Skill/Employability/Entrepreneurship)	Credit
1	CMLT		
	<b>1<sup>st</sup> semester</b>		
	Introductory Biology	Skill	4
	Basic Anatomy And Physiology	Employability	4
	Basic Hematology	Employability	4
	Basic Medical Instrumentation And Technique	Entrepreneurship	4
	Foundations of English Communication	Skill	4

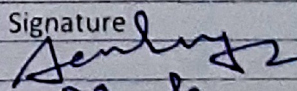

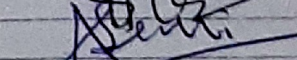
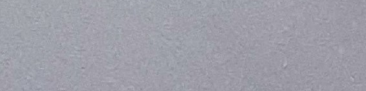



	<i>Medical Lab Diagnosis I</i>	Entrepreneurship	4
	<b>2<sup>nd</sup> Semester</b>	Skill	4
	<i>Environmental Science</i>		
	<i>Microbiology</i>	Employability	4
	<i>Basic Biochemistry</i>	Employability	4
	<i>Clinical Pathology</i>	Entrepreneurship	4
	<i>Communicative Practice Laboratory-1</i>	Skill	2
	<i>Medical Lab Diagnosis II</i>	Entrepreneurship	4
2	<b>B. Sc. MLT</b>		
	<i>Introductory Biology</i>	Employability	4
	<i>Basic Anatomy and Physiology</i>	Employability	4
	<i>Basic Hematology</i>	Entrepreneurship	4
	<i>Basic Medical Instrumentation and Technique</i>	Entrepreneurship	4
	<i>Anatomy, Physiology &amp; Hematology Lab</i>	Entrepreneurship	4
	<i>Environmental Science</i>	Skill	4
	<i>Foundations of English Communication</i>	Skill	2
	<i>Microbiology</i>	Employability	4
	<i>Basic Biochemistry</i>	Employability	4
	<i>Clinical Pathology</i>	Entrepreneurship	4
	<i>Clinical Pathology &amp; Microbiology Lab</i>	Entrepreneurship	4
3	<b>M. Sc. MLT</b>		
	<i>Medical Laboratory Technology</i>	Entrepreneurship	4
	<i>Anatomy and Physiology</i>	Employability	4
	<i>Hematology</i>	Entrepreneurship	4
	<i>Medical Instrumentation and Technique</i>	Entrepreneurship	4
	<i>Hematology Lab</i>	Entrepreneurship	4
	<i>Environmental Science</i>	Skill	4
	<i>Business Communication</i>	Skill	2
	<i>Medical Microbiology</i>	Employability	4
	<i>Molecular Biology and Clinical Biochemistry</i>	Employability	4
	<i>Clinical Pathology</i>	Entrepreneurship	4
	<i>Blood Banking</i>	Entrepreneurship	4
	<i>Clinical Pathology &amp; Microbiology Lab</i>	Entrepreneurship	4
4	<b>M. Sc. CMB</b>		
	<i>General Microbiology</i>	Employability	4
	<i>Human Anatomy &amp; Physiology</i>	Employability	4
	<i>Biomolecules</i>	Employability	4

	Analytical Techniques	Entrepreneurship	4
	Basic Microbiology Lab	Entrepreneurship	4
	Environmental Science	Skill	2
	Business Communication	Skill	4
	Systematic Bacteriology	Employability	4
	Molecular Biology and Clinical Biochemistry	Employability	4
	Medical Parasitology and Mycology	Employability	4
	Applied microbiology	Entrepreneurship	4
	Bacteriology, Parasitology & Mycology Lab	Entrepreneurship	4
5	B. Sc. RIT		
	Introductory Biology	Employability	4
	Basic Anatomy	Employability	4
	Basic Physiology	Employability	4
	Basics Radiation Physics	Employability	4
	Basic Medical Instrumentation And Technique	Entrepreneurship	4
	Anatomy & Physiology Lab	Entrepreneurship	4
	Environmental Science	Skill	4
	Foundations in English Communication	Skill	2
	Fundamental Of Medical Imaging & Radiotherapy	Employability	4
	Basic Biochemistry	Employability	4
	Equipments Of Radiotherapy	Entrepreneurship	4
	Medical Imaging Lab I	Entrepreneurship	4

- No. of courses partly modified: Was not applicable in the year of 2016-17.
- No. of value added courses introduced

#### List of Members present

Sl. No	Name of the Member	Designation	Signature
1	Dr. A.K Singh	Ophthalmologist	
2	Dr. Debasish Sahoo	Microbiologist	
3	Dr. B. Dash	Radiologist	
4	Prof. S.K Jha	Dean. SPAHS	
5	Ashok Sarangi	Lecturer	



## Minutes of Board of Studies Meeting

(2017-2018)

Date:12-6-17

Department: School of Paramedic and Allied Health Science

Venue: Board Room (Bhubaneswar Campus, CUTM)

Agenda:

Course Curriculum revision: CMLT, B. Sc. MLT, M. Sc. MLT, M. Sc. CMB & B. Sc. RIT, B. Sc. Clinical Microbiology

### **Feedback received from stakeholders (Industry/Alumni/Parent/Student/Faculty);**

Feedback from Faculty:

Practical exposure for the students can be conducted along with the regular lab practicals

Feedback by Doctor:

To conduct Practical orientation sessions for the students of RIT, to help them understand better, regarding use of radiation techniques and patient protection while use of such techniques.

### **Discussion and Resolutions taken (Syllabus/Evaluation systems etc.):**

Developing syllabus for school of paramedics & allied health sciences (Formulation of syllabus)

1. Developing syllabus for 3<sup>rd</sup> and 4<sup>th</sup> semester for B. Sc. MLT, M. Sc. MLT, M. Sc. CMB & B. Sc. RIT
2. New syllabus for B. Sc. Microbiology
3. Most of the subject are to focus on clinical practice so, project and hospital practice are suggested.

### **Key Remarks;(Please write 2/3 sentences on following points as a summary)**

- Type of curriculum: As per Allied Medical Council (Govt. of Odisha)  
% of syllabus modified in complete programme: New syllabus developed

No of new courses added with credit and % :

Sl. No	Course Title	Type(Skill/Employability/Entrepreneurship)	Credit
1	B. Sc. MLT <b>(3<sup>rd</sup> Semester)</b>		
	<i>Immunology</i>	Employability	4
	<i>Applied Hematology</i>	Employability	4
	<i>Molecular Biology</i>	Employability	
	<i>Basic Histology</i>	Entrepreneurship	4
	<i>Community</i>	Skill	4

	Practice Laboratory-2, Immunology, Histology Lab		
	<b>4<sup>th</sup> Semester</b>		4
	Parasitology	Employability	4
	Analytical Biochemistry	Entrepreneurship	2
	Advance Hematology	Entrepreneurship	4
	Immunopathology	Employability	4
	Human Values & Professional Ethics	Skill	4
	Basic Computers and Information Science	Skill	4
	Biochemistry lab	Entrepreneurship	4
	<b>5<sup>th</sup> Semester</b>		
	Transfusion Medicine	Employability	4
	Medical Laboratory Management	Entrepreneurship	4
	Immunopathology	Employability	4
	Introduction To Quality and Patient Safety	Employability	4
	Medical Law and Ethics	Skill	4
	Mycology & Virology	Employability	4
	Mycology & Virology Lab	Skill	4
	<b>6<sup>th</sup> Semester</b>		
	Project	Skill	12
	Internship	Skill	12
3	<b>M. Sc. MLT</b>		
	<b>3<sup>rd</sup> semester</b>		4
	Immunology, Bacterial Serology & Parasitology	Employability	
	Clinical Hematology	Entrepreneurship	4
	Biochemistry	Employability	4
	Histology	Entrepreneurship	4
	Research Methodology	Skill	4
	Communicative Practice	Skill	4

	<i>Laboratory-II</i>		
	<i>Immunology, Biochemistry &amp; Histopathology Lab</i>	Employability	2
	<i>M. Sc.MLT</i>	Entrepreneurship	4
	<b>4<sup>th</sup> semester</b>		
	<i>Project</i>	Skill	12
	<i>Internship</i>	Skill	12
4	<b>M. Sc.CMB</b>		
	<b>3<sup>rd</sup> semester</b>		4
	<i>Immunology &amp; Virology</i>	Employability	
	<i>Diagnostic Bacteriology</i>	Entrepreneurship	4
	<i>Biochemistry</i>	Employability	4
	<i>Histology</i>	Entrepreneurship	4
	<i>Research Methodology</i>	Skill	4
	<i>Communicative Practice Laboratory-II</i>	Skill	2
	<i>Immunology, Histopathology &amp; Biochemistry Lab</i>	Entrepreneurship	4
	<b>M. Sc.CMB</b>		
	<b>4<sup>th</sup> semester</b>		
	<b>Project</b>	Skill	12
	<b>Internship</b>	Skill	12
5	<b>B. Sc.RIT</b>		
	<b>3<sup>rd</sup> semester</b>		
	<i>Applied Radiation Physics &amp; Radiation Protection</i>	Employability	4
	<i>Advance Radiographic Techniques</i>	Employability	4
	<i>Special Radiographic Technique &amp; Procedures</i>	Employability	4
	<i>Basic Equipments In Radiodiagnosis</i>	Entrepreneurship	4
	<i>Medical Imaging Lab II</i>	Entrepreneurship	4
	<i>Communicative Practice Laboratory 2</i>	Skill	2
	<b>4<sup>th</sup> Semester</b>		
	<i>Radiotherapy &amp; Branchy Therapy</i>	Employability	4

<i>Techniques In Malignant And Non Malignant Disease</i>		
<i>Applied Equipments Of Radio Diagnosis</i>	Entrepreneurship	4
<i>Interventional Radiology &amp; Drug Used In Diagnostic Radiology</i>	Employability	4
<i>Human Values &amp; Professional Ethics</i>	Skill	4
<i>Basic Computer And Information Science</i>	Skill	4
<i>Hospital Posting- Medical Imaging Lab III</i>	Entrepreneurship	4
<b>5<sup>th</sup> Semester</b>		
<i>Basic Of X-Ray and Digital X-Ray Imaging</i>	Employability	4
<i>Computerised Tomography (CT Scanning) Method and Procedure</i>	Employability	4
<i>Basic Of Magnetic Resonance Imaging</i>	Employability	4
<i>Orientation In Clinical Sciences Course Contents</i>	Employability	4
<i>Medical Imaging Lab IV</i>	Entrepreneurship	4
<i>Medical Law and Ethics</i>	Skill	4
<b>6<sup>th</sup> Semester</b>		
<b>Project</b>	Skill	12
<b>Internship</b>	Skill	12
<b>B. Sc. CMB</b>		
<b>1<sup>st</sup> Semester</b>		
<i>Introductory Cell Biology</i>	Employability	4
<i>Human Anatomy &amp; Physiology</i>	Employability	4
<i>Basic Haematology</i>	Entrepreneurship	4
<i>Instrumentation &amp; Techniques</i>	Entrepreneurship	4
<i>Human Anatomy,</i>	Entrepreneurship	4

<i>Physiology &amp; Haematology Practical</i>		
<b>2<sup>nd</sup> Semester</b>		
<i>Environmental Science</i>	Skill	4
<i>Foundations of English Communication</i>	Skill	2
<i>General Microbiology</i>	Employability	4
<i>Clinical Biochemistry</i>	Entrepreneurship	4
<i>Clinical Pathology &amp; Diagnosis</i>	Entrepreneurship	4
<i>Clinical Pathology, Biochemistry &amp; Microbiology Practical</i>	Entrepreneurship	4
<b>3<sup>rd</sup> Semester</b>		
<i>Immunology</i>	Employability	4
<i>Systemic Bacteriology</i>	Employability	4
<i>Molecular Biology</i>	Employability	4
<i>Systemic Virology &amp; Mycology</i>	Employability	4
<i>Communicative Practice Laboratory- II</i>	Skill	2
<i>Bacteriology, Virology &amp; Mycology Practical</i>	Skill	4
<b>4<sup>th</sup> Semester</b>		
<i>Public Health Microbiology</i>	Employability	4
<i>Pharmaceutical Microbiology</i>	Employability	4
<i>Industrial Microbiology</i>	Entrepreneurship	4
<i>Biochemistry</i>	Employability	4
<i>Basic Computer &amp; Information technique</i>	Employability	4

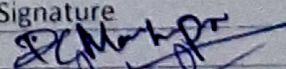
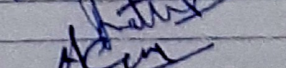
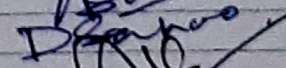
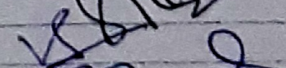
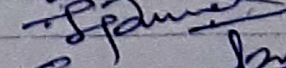
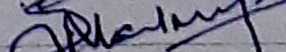




	<i>Industrial, Public Health Microbiology &amp; Biochemistry Lab.</i>	Skill	4
	<b>5<sup>th</sup> Semester</b>		
	<i>Epidemiology</i>	Employability	4
	<i>Diagnostic Bacteriology</i>	Employability	4
	<i>Diagnostic Virology</i>	Employability	4
	<i>Diagnostic Mycology</i>	Employability	4
	<i>Diagnostic Parasitology</i>	Employability	4
	<i>Research Methodology</i>	Skill	4
	<i>Epidemiology &amp; Diagnosis microbiology lab</i>	Skill	4
	<b>6<sup>th</sup> Semester</b>		
	<b>Project</b>	Skill	12
	<b>Internship</b>	Skill	12

- No. of courses partly modified : Was not applicable in the year of 2017-18.
- No. of value added courses introduced

Sl. No	Course Title	Hrs. of input
1	Human value and professional ethics	40 hrs

List of Members present

Sl. No	Name of the Member	Designation	Signature
1	Dr. P.C Mohapatra	Ophthalmologist	
2	Dr. Bachaspati Dash	Radiologist	
3	Dr. Asish Ku. Sen	Adjunct Professor	
4	Dr. Debashish Sahoo	Microbiologist	
5	Prof. Sunil Ku Jha	Dean, SPAHS	
6	Bibek kumar Sinha	Lectr. Of Optometry	
7	Priyanka Parbin	Lectr. Of Microbiology	
8	Sansita Mohakud	Lectr. Of Biotechnology	



**School of Paramedics and Allied Health Sciences  
Department of Anesthesia**

**Minutes of Board of Studies Meeting -2020**

Date: 11<sup>th</sup> July, 2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students  
/Parents

Feedback regarding the course curriculum for Subjects grouped under Anesthesia Technology as well as Anesthesia Technology and Operation Theatre Technology were collected from Experts from various leading hospitals in order to improvise the quality of the content available.

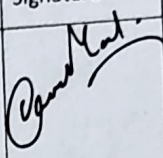

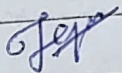
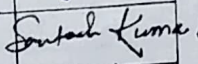
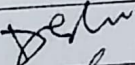
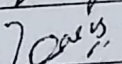
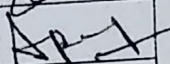
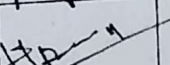
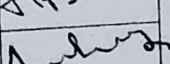
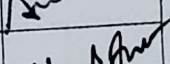
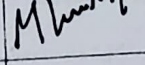
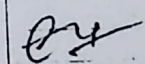
Discussion and Resolution taken:

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. Dr. Debasish Sahoo (Professor in Microbiology, SOA University) appreciated the curriculum for AT available on Courseware. The course Title: Concepts of Diseases and Techniques in Regional and General Anesthesia including Complications Medical could be Modified to Concepts of Diseases and Techniques in Regional and General Anesthesia including Medical Complications in AT-OT.
5. Dr. Harihar Praharaj (Professor of Medicine, Ex-joint Director, DMET) acknowledged the newly framed Syllabus. He also explained how the courses such as EMT/ AT / OT offered by SoPAHS are relevant in Diagnosis and Management in Health care.
6. Dr. Debi Prasad Rath (Professor of Pathology, CARE Hospital- Bhubaneswar) discussed on the value of digitally aligning the curriculum.
7. Dr. Teja-KIMS Icon Hospital- Anesthesian  
Very promising course, extensive and vast information incorporated

Local safety in Anesthesia rooms, Safety in Operation Theatre can be elaborated. He suggested a few books to be added to supplement the course information

- It is resolved to incorporate Local safety in Anesthesia rooms in Basic Principles of Hospital Management
- It is resolved to stress on Safety in Operation Theatre following SOP procedures in Clinical Practices in Hospital Manual and also in Basic Principles of Hospital Management

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Chandra Mouli, Radiology Dept	GVP Institute of Health Care and Medical Technology, Marikavalasa, Visakhapatnam, A.P	
2	Dr. M. Bhargava Ram Ophthalmologist	Sandhya Eye Hospital, Maddilapale, Visakhapatnam	
3	Dr. Teja Anesthesian		
4	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center SOA University	
5	Dr. Debasish Sahoo (MD, Professor in Microbiology)		
6	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	
7	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	
8	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	
9	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	
10	Dr. M. L. N. Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	
11	Dr. CH. Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
12	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	



13	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
14	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
15	Prof. Sourav Karmakar (Asst. Prof. & HoD, SoPAHS)	Centurion University of Technology and Management	
16	Ms. SNS Neelima (Asst. Prof., SoPAHS)	Centurion University of Technology and Management	
17	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	
18	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	
19	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	
20	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	
21	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	
22	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	



**School of Paramedics and Allied Health Sciences  
Department of Clinical Microbiology**

**Minutes of Board of Studies Meeting -2020**

Date: 11<sup>th</sup> July, 2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

Feedback regarding the course curriculum for Subjects grouped under Clinical Microbiology were collected from Experts from various leading hospitals in order to improvise the quality of the content available. We have also collected feedbacks from students to understand their learning experience.

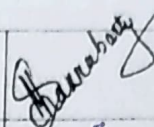
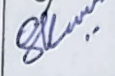
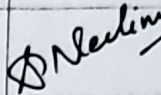
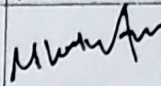
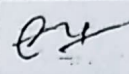
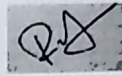
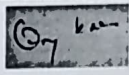

Discussion and Resolution taken:

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. Dr. Santosh Kumar Behera (Senior Scientist, RMRC- Bhubaneswar) has appreciated the way the framework was prepared. He emphasized on providing online resources as a need in the current Pandemic, to which the University/ School has easily adopted. The Dean of SoPAHS was congratulated for being able to align the School digitally.
5. Dr. Debasish Sahoo (Professor in Microbiology, SOA University) elaborated on the importance of Molecular Diagnostics Techniques in analysis of Viral sample during the COVID situation. He discussed on how the health sector is in need of trained personale for handling molecular analysis of Virus.
6. Dr. Debi Prasad Rath (Professor of Pathology, CARE Hospital- Bhubaneswar) discussed on the value of digitally aligning the curriculum.
7. Dr. Ardhendu Praharaj (District Microbiologist, Nabrangpur) discussed on the cognizance of the digital curriculum. He also emphasized on the need of Molecular Diagnostic learning.

8. Based on the comments and analysis by the external experts, changes were incorporated accordingly.

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	<i>Santosh Kumar Behera</i>
2	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	<i>Debasish Sahoo</i>
3	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	<i>Debi Prasad Rath</i>
4	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	<i>Ardhendu Praharaj</i>
5	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	<i>Harihar Praharaj</i>
6	Dr. Bhargavram (MD, Professor of Ophthalmology)	Sandhya Eye Hospital, Andhra Pradesh	<i>Bhargavram</i>
7	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	<i>Ajay Kumar Singh</i>
8	Dr. Chandra Mouli (MD, Professor of Radiology)	Radiology Dept, GVP Institute of Health Care and Medical Technology, Marika valasa, Visakhapatnam, A.P.	<i>Chandra Mouli</i>
9	Dr. Teja	Anesthesian	<i>Teja</i>
10	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	<i>Sunil Kumar Jha</i>
11	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	<i>Ashish Kumar Sen</i>
12	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	<i>Soumya Jal</i>
13	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Monali P. Mishra</i>
14	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Sonali Dash</i>

15	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	
16	Prof. Sourav Karmakar (Asst. Prof. & HoD, SoPAHS)	Centurion University of Technology and Management	
17	Ms. SNS Neelima (Asst. Prof., SoPAHS)	Centurion University of Technology and Management	
18	Dr.M.L.N.Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	
19	Dr.CH.Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
20	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
21	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
22	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	



School of Paramedics and Allied Health Sciences  
Department of Emergency Medicine Technology

Minutes of Board of Studies Meeting -2020

Date: 11<sup>th</sup> July, 2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

Feedback regarding the course curriculum for Subjects grouped under Emergency Medicine Technology were collected from Experts from various leading hospitals in order to improvise the quality of the content available.

Discussion and Resolution taken:

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. Dr. Debasish Sahoo (Professor in Microbiology, SOA University) appreciated the curriculum for EMT available on Courseware.
5. Dr. Harihar Praharaj (Professor of Medicine, Ex-joint Director, DMET) acknowledged the newly framed Syllabus. He also explained how the courses such as EMT/ AT / OT offered by SoPAHS are relevant in Diagnosis and Management in Health care.
6. Dr. Debi Prasad Rath (Professor of Pathology, CARE Hospital- Bhubaneswar) discussed on the value of digitally aligning the curriculum.
7. Based on the comments and analysis by the external experts, corrections were incorporated accordingly.



List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	<i>Santosh Kumar Behera</i>
2	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	<i>Debi</i>
3	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	<i>Debi Prasad Rath</i>
4	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	<i>Ardendu</i>
5	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	<i>HP</i>
6	Dr. Bhargavram (MD, Professor of Ophthalmology)	Sandhya Eye Hospital, Andhra Pradesh	<i>Bhargavram</i>
7	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	<i>Ajay Kumar Singh</i>
8	Dr. Chandra Mouli (MD, Professor of Radiology)	Radiology Dept, GVP Institute of Health Care and Medical Technology, Marika valasa, Visakhapatnam, A.P.	<i>Chandra Mouli</i>
9	Dr. Teja	Anesthesian	<i>Teja</i>
10	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	<i>Sunil Kumar Jha</i>
11	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	<i>Ashish Kumar Sen</i>
12	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	<i>Soumya Jal</i>
13	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Monali</i>
14	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Sonali Dash</i>
15	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	<i>Susmita Chakrabarty</i>
16	Prof. Sourav Karmakar (Asst. Prof. & HoD, SoPAHS)	Centurion University of Technology and Management	<i>Sourav Karmakar</i>
17	Ms. SNS Neelima (Asst. Prof., SoPAHS)	Centurion University of Technology and Management	<i>SNS Neelima</i>



18	Dr.M.L.N.Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	
19	Dr.CH.Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
20	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
21	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
22	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	



**School of Paramedics and Allied Health Sciences  
Department of Medical Laboratory Technology**

**Minutes of Board of Studies Meeting -2020**

Date: 11<sup>th</sup> July, 2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

Feedback regarding the course curriculum for Subjects grouped under Medical Laboratory Technology were collected from Experts from various leading hospitals in order to improve the quality of the content available. We have also collected feedbacks from students to understand their learning experience.

Discussion and Resolution taken:

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. Dr. Debasish Sahoo (Professor in Microbiology, SOA University) accentuated on the importance of Virology practicals in the COVID situation and ahead in future. He discussed on how the health sector is in need of trained personale for handling molecular analysis of Virus.
5. Dr. Harihar Praharaj (Professor of Medicine, Ex-joint Director, DMET) acknowledged the newly framed Syllabus. He also explained how the courses offered by SoPAHS are relevant in Diagnosis and Management of the current COVID pandemic.
6. Dr. Debi Prasad Rath (Professor of Pathology, CARE Hospital- Bhubaneswar) discussed on the value of digitally aligning the curriculum. He has elaborated his suggestions in the feedback form. His suggestions on topics in Clinical Pathology, Health Programme in India and Haematology have been incorporated in the curriculum.

7. Dr. Ardhendu Praharaj (District Microbiologist, Nabarangpur) discussed on the cognizance of the digital curriculum. He also emphasized on the need of Molecular Diagnostic learning.
8. Based on the comments and analysis by the external experts, changes were incorporated accordingly.

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	<i>Santosh Kumar Behera</i>
2	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	<i>Debasish Sahoo</i>
3	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	<i>Debi Prasad Rath</i>
4	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	<i>Ardhendu Praharaj</i>
5	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	<i>Harihar Praharaj</i>
6	Dr. Bhargavram (MD, Professor of Ophthalmology)	Sandhya Eye Hospital, Andhra Pradesh	<i>Bhargavram</i>
7	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	<i>Ajay Kumar Singh</i>
8	Dr. Chandra Mouli (MD, Professor of Radiology)	Radiology Dept, GVP Institute of Health Care and Medical Technology, Marika valasa, Visakhapatnam, A.P.	<i>Chandra Mouli</i>
9	Dr. Teja	Anesthesian	<i>Teja</i>
10	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	<i>Sunil Kumar Jha</i>
11	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	<i>Ashish Kumar Sen</i>
12	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	<i>Soumya Jal</i>
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19	Dr.CH.Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
20	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
21	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
22	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	



School of SOPAH  
Department of Radiology

Minutes of Board of Studies Meeting -2020

Date:11.07.2020

Agenda; Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

Feedback regarding the course curriculum for Subjects grouped under Clinical Microbiology were collected from Experts from various leading hospitals in order to improve the quality of the content available. We have also collected feedbacks from Alumni and students to understand their learning experience.

**External Members Views**

**1. Dr. Chandra Mouli (G.V.P. Institute of Medical and Health Care Technology)-  
Radiology Dept**

**Positive Comments:**

Appreciated the efforts made by Radiology Dept by bringing indepth content covering all areas of Clinical Knowledge. He expressed at graduation level, it is not required of so deep information

**Critical comments:**

\*Content related to Machine operational problems and their maintenance can be emphasized more.

\*Content on Patient position, Patient Management can be elaborated

\*Content on Knowledge Networking like LAN etc can be useful to the students

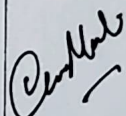

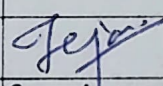
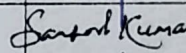
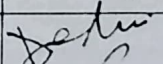
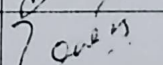
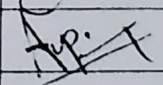
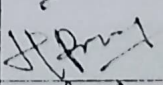
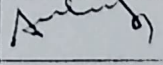

**2. Dr. Debasish Sahoo (SOA University):** The course Title: Orientation in Clinical Sciences Course Content could be Modified to Orientation in Clinical Sciences.

**Discussion and Resolution taken**

- The curriculum was framed adopting the CBCS pattern.
- The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.

- The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
- It is resolved to introduce Content on Patient position and Patient Management in **Fundamental Medical Imaging Practice**
- It is resolved to introduce Content related to Machine operational problems and their maintenance in **Basic Medical Instrumentation** as a sub topic in Third Semester
- It is resolved to add some more Patient counselling procedures in Medical Law and Ethics to the existing curriculum
- It is resolved to add newly suggested books for Anesthesia
- B. Sc. Radiology and Imaging Technology course is also recognized as B. Sc. Medical Radiation Technology at SoPAHS (Bhubaneswar, CUTM), based on the approval for registration of B. Sc. Medical Radiation Technology under DMET (Odisha).

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr.Chandra Mouli,Radiology Dept	GVP Institute of Health Care and Medical Technology,Marika valasa, Visakhapatnam,A.P	
2	Dr.M.Bhargava Ram Opthamologist	Sandhya Eye Hospital, Maddilapale, Visakhapatnam	
3	Dr.Teja Anesthesian		
4	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	
5	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	
6	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	
7	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	
8	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	
9	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	
10	Dr.M.L.N.Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	



11	Dr.CH.Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
12	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
13	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
14	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
15	Prof. Sourav Karmakar (Asst. Prof. & HoD, SoPAHS)	Centurion University of Technology and Management	
16	Ms. SNS Neelima (Asst. Prof., SoPAHS)	Centurion University of Technology and Management	
17	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	
18	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	
19	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	
20	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	
21	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	
22	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	





**School of Paramedics and Allied Health Sciences  
Department of Optometry**

**Minutes of Board of Studies Meeting -2020**

Date: 16.07.2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students  
/Parents

Feedback regarding the course curriculum for Subjects grouped under Clinical Microbiology were collected from Experts from various leading hospitals in order to improvise the quality of the content available. We have also collected feedbacks from Alumni and students to understand their learning experience.

Discussion and Resolution taken

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. The experts remarked the syllabus is very finely structured in very minute detail. Suggested that students should be well trained in communication, gaining the righteous trust and counselling the patient for better service and patient care.
5. The topics related to 'Patient care and Patient Counselling' has been incorporated as a part of Medical Psychology.
6. They have also suggested to emphasize the students more on handling the instruments clinically.
7. We will work for the best compliance of the training the students for clinically professional, skilled and competent for best patient care and good research aspirations in Optometry as well.
8. B. Optometry course is also recognized as B. Sc. Optometry at SoPAHS (Bhubaneswar, CUTM), based on the approval for registration of B. Sc. Optometry under DMET (Odisha).

List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Bhargavram (MD, Professor of Ophthalmology)	Sandhya Eye Hospital, Andhra Pradesh	
2	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	
3	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	Santosh Kumar Behera
4	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	
5	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	
6	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	
7	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	
8	Dr. Chandra Mouli (MD, Professor of Radiology)	Radiology Dept, GVP Institute of Health Care and Medical Technology, Marika valasa, Visakhapatnam, A.P.	
9	Dr. Teja	Anesthesian	
10	Prof. Sourav Karmakar (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
11	Ms. SNS Neelima (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
12	Mr. M. Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
13	Ms. N. Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
14	Dr. M.L.N. Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	
15	Dr. CH. Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
16	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
17	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of	



		Technology and Management	
18	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	<i>Ashish</i>
19	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	<i>Soumya</i>
20	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Monali</i>
21	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Sonali</i>
22	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	<i>Susmita Chakrabarty</i>



**School of Paramedics and Allied Health Sciences  
Department of Operation Theatre Technology**

**Minutes of Board of Studies Meeting -2020**

Date: 11<sup>th</sup> July, 2020

Agenda: Revision of Curriculum -2020

Reference: Observation and Feedback received from Recruiter/Practitioner/Alumni/Students /Parents

Feedback regarding the course curriculum for Subjects grouped under Operation Theatre Technology were collected from Experts from various leading hospitals in order to improvise the quality of the content available.

**Discussion and Resolution taken:**

1. The curriculum was framed adopting the CBCS pattern.
2. The Curriculum was framed in a manner to incorporate Project/ Practical based learning. The Project and Practical components of relevant subjects were embedded along with their theory component. Much of practical exposure/ hands on training/ research and project exposure is emphasized.
3. The curriculum developed is available on <http://courseware.cutm.ac.in/> (links/ notes/ videos for relevant notes are also available). It was adapted in a way to ease flip class technique and enhance Virtual learning along with real time learning.
4. Dr. Debasish Sahoo (Professor in Microbiology, SOA University) appreciated the curriculum for OTT available on Courseware.
5. Dr. Harihar Praharaj (Professor of Medicine, Ex-joint Director, DMET) acknowledged the newly framed Syllabus. He also explained how the courses such as EMT/ AT / OT offered by SoPAHS are relevant in Diagnosis and Management in Health care.
6. Dr. Debi Prasad Rath (Professor of Pathology, CARE Hospital- Bhubaneswar) discussed on the value of digitally aligning the curriculum.
7. Based on the comments and analysis by the external experts, changes were incorporated accordingly.



List of External Resource/Alumni/Students/Parents/faculty

Sl. No.	Name	Organisation	Signature
1	Dr. Santosh Kumar Behera (Senior Scientist)	Regional Medical Research Center	<i>Santosh Kumar Behera</i>
2	Dr. Debasish Sahoo (MD, Professor in Microbiology)	SOA University	<i>Debasish Sahoo</i>
3	Dr. Debi Prasad Rath (MD, Professor in Pathology)	CARE Hospital	<i>Debi Prasad Rath</i>
4	Dr. Ardhendu Praharaj (Ph. D. in Microbiology)	District Microbiology Lab, Nabarangpur	<i>Ardhendu Praharaj</i>
5	Dr. Harihar Praharaj (MD, Professor of Medicine)	Directorate of Medical Education and Training, Odisha	<i>Harihar Praharaj</i>
6	Dr. Bhargavram (MD, Professor of Ophthalmology)	Sandhya Eye Hospital, Andhra Pradesh	<i>Bhargavram</i>
7	Dr. Ajay Kumar Singh (MD, Professor of Ophthalmology)	DHC Khordha	<i>Ajay Kumar Singh</i>
8	Dr. Chandra Mouli (MD, Professor of Radiology)	Radiology Dept, GVP Institute of Health Care and Medical Technology, Marika valasa, Visakhapatnam, A.P.	<i>Chandra Mouli</i>
9	Dr. Teja	Anesthesian	<i>Teja</i>
10	Prof. Sunil Kumar Jha (Dean, SoPAHS)	Centurion University of Technology and Management	<i>Sunil Kumar Jha</i>
11	Dr. Ashish Kumar Sen (Adjunct Faculty, SoPAHS)	Centurion University of Technology and Management	<i>Ashish Kumar Sen</i>
12	Dr. Soumya Jal (HoD, SoPAHS)	Centurion University of Technology and Management	<i>Soumya Jal</i>
13	Dr. Monali P. Mishra (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Monali P. Mishra</i>
14	Ms. Sonali Dash (Assistant Prof., SoPAHS)	Centurion University of Technology and Management	<i>Sonali Dash</i>
15	Ms. Susmita Chakrabarty (Lecturer, SoPAHS)	Centurion University of Technology and Management	<i>Susmita Chakrabarty</i>
16	Prof. Sourav Karmakar (Asst. Prof. & HoD, SoPAHS)	Centurion University of Technology and Management	<i>Sourav Karmakar</i>
17	Ms. SNS Neelima (Asst. Prof., SoPAHS)	Centurion University of Technology and Management	<i>SNS Neelima</i>



18	Dr.M.L.N.Acharyulu (Associate Dean, SoPAHS)	Centurion University of Technology and Management	
19	Dr.CH.Nooka Raju (Associate Prof., SoPAHS)	Centurion University of Technology and Management	
20	Mr. Rajesh Sukkala (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
21	Mr. M.Vinay Dinakaran (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	
22	Ms. N.Anuhya (Asst. Prof. SoPAHS)	Centurion University of Technology and Management	