CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applied Sciences

Department of Chemistry

Date: 08.07. 2022

MINUTES OF BOARD OF STUDIES MEETING held on 08.07. 2022

Venue: Hybrid Mode (Board Room, CUTM, Bhubaneswar and online)

Time: 11.00 AM.

The Board of Studies (BoS) meeting was held on hybrid mode both online and offline mode on 8th July 2022 at 2.30 pm. The following members were attended on online mode:

1. Prof. Supriya Pattanaik, Vice Chancellor, Centurion University of Technology and Management, Odisha.
2. Prof. Anita Patra, Registrar, Centurion University of Technology and Management, Odisha.
3. Dr. P. K. Mohanty, Dean (Acad), Centurion University of Technology and Management, Odisha.
4. Prof. P. K. Jain Scientist-G, Centre Head for Carbon Materials (External Member)
5. Prof. J. K. Rath, Mechem Composites, (External Member)
6. Dr. P. K. Maji, Associate Professor, Department of Polymer and Process Engineering, IIT Roorkee, (External Member)
7. Dr. Chhayabrita Maji, Associate Dean- SoAS, Centurion University of Technology and Management
8. Dr. Yashaswi Nayak, Dean – SoAS, HoD- Dept of Zoology- SoAS, Centurion University of Technology and Management
9. Dr. Atia Arzoo, HoD Chemistry, SoAS, Centurion University of Technology and Management.

Agenda : **Revision of Course Curriculum.**

At the outset Prof Supriya Patnaik, Vice Chancellor addressed the participants and welcomed sharing key academic developments with respect to emerging research areas , online classes and examination reforms. The detailed course outline and Syllabus of all Departments was presented by Dean, School of Applied Science Dr. Yashaswi Nayak. With respect to the feedback received from the stakeholders, the committee discussed and approved for incorporation/modifications in the curriculum for the Academic session 2022-23.

- More emphasis should be given to practice classes so that students will have more practical based approach in the proposed practices and research review can also be included in the practice sessions.

- The reference books and textbooks to be added that are more specific and advanced keeping an eye on the course curriculum, which would be suitable for the learners.
- Making students skilled with tomorrow's research challenges it was decided to include at least two to three original research papers as reference.
- Seminars should be conducted to encourage students to present original research papers to discuss smart experiments.
- The members went through the scheme and syllabus for new MSc courses and commented to be well structured and sound enough to enrich students in acquiring skills required by students to pursue higher research, self-employment and setting up of startups.
- The Board of Study members recommended and approved the syllabus for both BSc and MSc Programs to be taught in upcoming semesters.
- With the Recommendation of External Board of Members "Research Methodology and IPR" was introduced in the M.Sc. syllabus as core subject
- With the Recommendation of External Board of Members 5 Years Integrated B.Sc. - M.Sc. Programme was introduced.

The meeting was adjourned with Vote of Thanks by the Registrar Prof. Anita Patra.

Dean, SoAS

Dean, Academics
Centurion University of Technology & Management
Odisha

HoD, Chemistry

==Type of curriculum; CBCS/Elective/NEP: CBCS==
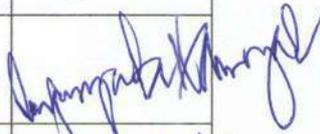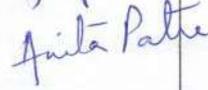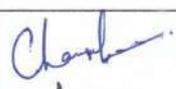
- List of new courses added

Sl. No	Course Title	Type(Skill/Employability/Entrepreneurship	Credit
01	"Research Methodology and IPR"	Core	4

- List of existing courses where syllabus was changed

Basket/ Semester	Previous Courses (2021)	Revised Courses(2022)	Percentage of Change
I (Core Basket)	Pharmacognosy and Phytochemistry Toxicology	Phytochemistry and Toxicology	100%

List of Members present in BoS meeting

Sl. No	Name of the BoS Member(Internal Faculty and External Resource)	Designation	Signature
1.	Prof. Supriya Pattanaik	Vice Chancellor, Centurion University of Technology and Management	
2.	Prof. Anita Patra	Registrar, Centurion University of Technology and Management	Anita Patra
3.	Prof. P. K. Jain	Scientist-G, Centre Head for Carbon Materials Division of ARCI, Hyderabad	
4.	Prof. J. K. Rath	Mechem Composites	
5.	Dr. P. K. Maji	Associate Professor Department of Polymer and Process Engineering, IIT Roorkee	
6.	Dr. Chhayabrita Maji	Associate Dean- SoAS, Centurion University of Technology and Management	
7.	Dr. Yashaswi Nayak	Dean – SoAS HoD- Dept of Zoology- SoAS, Centurion University of	
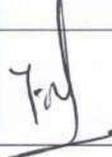
		Technology and Management	
8.	Dr. Atia Arzoo	HoD Chemistry, SoAS, Centurion University of Technology and Management, Odisha	*Atia Arzoo*
9.	Mitali Monalisa Sahu	BSc graduated student Centurion University of Technology and Management	*M.M. Sahu*
10.	Mrunmoy Mohapatra	BSc Existing student Centurion University of Technology and Management	*M. Mohapatra*
11.	Diptimayee Sahoo	MSc Graduated student Centurion University of Technology and Management	*Diptimayee Sahoo*
12.	Laxmipriya Mohapatra	MSc Graduated student Centurion University of Technology and Management	*L. Mohapatra*
13.	Algebra Sahu	MSc existing student Centurion University of Technology and Management	*Algebra Sahu*
14.	Srutirekha Tripathy	MSc Existing student Centurion University of Technology and Management	*Srutirekha Tripathy*

Dean, SoAS

Dean, Academics

Dean Academics
Centurion University of Technology & Management
Odisha

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applie Sciences

Department of Mathematics

Date: 08/07/2022

MINUTES OF BOARD OF STUDIES MEETING held on 08/07/2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Time: 2.30 PM

The Board of Studies (BoS) meeting of Department of Mathematics was held on 08/07/2022 at 2.30 PM in hybrid mode.

Dr. Supriya Pattanaik, Vice Chancellor, Centurion University of Technology and Management, Odisha
Dr. Prof. Anita Patra, Registrar, Centurion University of Technology and Management, Odisha
Dr. Soumen De, Associate Professor, Department of Applied Mathematics, University of Calcutta, Kolkota
Dr. Yashaswi Nayak, Dean, SoAS, CUTM
Dr. ChhayabritaMajhi, Associate Dean, SoAS, CUTM
Dr. Ashok Misra, Professor & Head, Centre for Fluid Dynamics, CUTM
Dr. Tumbanath Samantara, HoD, Department of Mathematics, CUTM
Dr. P.K. Mohanty, Dean (Acad.) CUTM

All the members were welcomed to the online session by the Chairperson and were briefed regarding the purpose of the meeting. Thereafter, the HoD, Mathematics presented on the achievements, improvements of the department in terms of academics and infrastructure.

Agenda of the meeting:

Agenda 1: **Discussion and approval of revision of the Curriculum of M.Sc Mathematics.**

At first, the HoD Mathematics presented the feedback received from several stakeholders, on the curriculum. With respect to the feedback received from the stakeholders, the committee discussed and approved for incorporation/ modifications in the curriculum for the Academic session 2022-23.

- With the recommendation of External Board of members "Research Methodology and IPR" was introduced in the M.Sc. syllabus as core course.
- To creat a room for "Research Methodology and IPR" with the recommendation of External Board of members.
- The courses, Geometry and Grid Generation (CUTM1528) and Applications of CFD using Computational Tool-Simulia (CUTM1529) merged and formed a single paper "Grid Generation and CFD Simulation Using Simulia".
- The Board approved the updation of the courses important from higher studies point of view and replacement of contents of open basket with new courses with greater practice component. *(Annexure -A)*

Agenda 2: Inclusion of courses of 5 Years Integrated B.Sc. - M.Sc. Programme

With the recommendation of External Board of Members 5 Years Integrated B.Sc.-M.Sc. Programme was introduced.

The HoD, Department of Mathematics, extended sincere thanks to all members of the Board.

The meeting ended with a vote of thanks to the Chair.
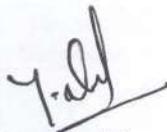
Dean, SoAS

Dean Academics
Dean Academics
Centurion University of Technology & Management
Odisha
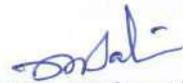
HOD, Mathematics

Annexure A

List of new courses added

Sl. No	Course Title	Type (Skill/ Employability/ Entrepreneurship)	Credit
1.	Research Methodology and IPR	Core	4

List of existing courses where syllabus was changed

Basket/ Semester	Previous Courses (2021)	Revised Courses(2022)	Percentage of Change
I (Core Basket)	Geometry and Grid Generation (CUTM1528)	GRID GENERATION AND CFD SIMULATION USING SIMULIA	100%
	Applications of CFD using Computational Tool-Simulia (CUTM1529)		

Integrated 5 Years B.Sc.-M.Sc. Programme

| Programme	Entry Option	Exit Option	No. of Years Break (Elg.) Credit Required for Entry	Credit earned after the Completion
	Grade 12/Equivalent education	**Certificate** upon the (Successful Completion of the First Year) Two Semesters) of the multidisciplinary Five-Year Integrated M.Sc. Programme.	Grade 12/Equivalent education	48
	Lateral entry after successful completion of the First Year) Two Semesters) of Five-Year Integrated M.Sc. Programme	**Diploma** upon the Successful Completion of the Second Year (Four Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	**44- 48 credits**	**48+47=95**

	Bachelor Diploma	**Basic Bachelor Degree with Honors** at theSuccessful Completion of the Third Year (Six Semesters) of the multidisciplinary Four-Year Undergraduate Programmer / Five – Year Integrated Master's Degree Programme.	95 credits	95+50=145
	Basic Bachelor Degree with Honors	**Bachelor Degree with Honors** at the Successful Completion of the Fourth Year (Eight Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	145	145+52=197
	Basic Bachelor Degree with Honors (3 years)	**Master Degree** upon the Successful Completion of the Second Year (Four Semesters) Five – Year Integrated Master's Degree Programme.	145	120-132+(80-88) =200-220(NEP) 145+(80-88) = 225-233
	Bachelor Degree with Honors (4 years)	**Master Degree** a Discipline at the Successful Completion of the Fifth Year (Ten Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	197	197+45=242

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applied Sciences

Department of Mathematics

Time: 2.30 PM

Date: 08.07.2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

List of Members present

Sl. No.	Name	Organization	Signature
1	Prof. Supriya Pattanaik	Vice Chancellor, Centurion University of Technology and Management	Attended online
2	Prof. Anita Patra	Registrar, Centurion University of Technology and Management	Attended online
3	Dr. Soumen De	Associate Professor, Department of Mathematics, Calcutta University, Kolkota	Attended online
4	Dr. Chhayabrita Maji	Associate Dean- SoAS, Centurion University of Technology and Management	Attended online
5	Dr. Yashaswi Nayak	Dean – SoAS SoAS, Centurion University of Technology and Management	Attended online
6	Dr Ashok Misra	Professor, Department of Mathematics, Centurion University of Technology and Management.	Attended online
7	Dr Tumbanath Samantara	Associate Professor & HoD, Department of Mathematics, Centurion University of Technology and Management.	Attended online
8	Subasini Sahu	MSc Alumni student Centurion University of Technology and Management	Attended online
9	Binod Kumar Das	MSc Alumni student Centurion University of Technology and Management	Attended online

Dean, SoAS
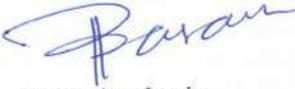
Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha

HOD, Mathematics

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applied Sciences

Department of Zoology

Date: 08.07. 2022

MINUTES OF BOARD OF STUDIES MEETING held on 08.07. 2022

Hybrid Mode / Board Room of Bhubaneswar Campus

Time: 2.30 p.m.

The Board of Studies (BoS) meeting was held on hybrid mode both online and offline mode on 8th July 2022 at 2.30 pm. The following members were attended on online mode:

1. Dr. Jitendra Kumar Sunderay, Scientist, ICAR-CIFA, Bhubaneswar (External expert)
2. Dr. E.M. Chhanda Prajnadarsini, ICAR-CMFRI, Chennai (External expert)
3. Registrar, CUTM, Bhubaneswar (Chairperson)
4. Prof. Supriya Pattanayak, Vice Chancellor, CUTM (Member)
5. Dr. Yashaswi Nayak, Dean, SoAS and HoD, Department of Zoology, CUTM, Bhubaneswar (Member)
6. Dr. Chhayabrita Maji, Associate Dean, SoAS, CUTM, Bhubaneswar (Member)

Vice Chancellor, CUTM, addressed the participants and welcomed sharing the key academic developments with respect to emerging research areas, online classes and examination reforms. The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, detailed course outline and syllabus of Department of Botany was presented by Dean, SoAS.

The following agenda items were taken up subsequently:

Agenda 1: **The minutes of the last meeting of the BoS held on 9th July, 2021 were confirmed.**

Agenda 2: **Discussion on no modifications of core courses in B.Sc. (Zoology) and inclusion of one core course and few topics in theory and projects in the existing curriculum of M.Sc. (Zoology) to be approved.**

- The HoD, Zoology gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders. No modification was suggested in B.Sc. (Zoology) CBSE curriculum by any of the members present in Board. Topics of Advanced Aquaculture and Coastal Aquaculture were merged and

newly "Advanced Sustainable Aquaculture" was included. Inclusion of Research Methodology and IPR in the core course was also recommended and approved by the Board (**Annexure I**)

Agenda 3: Inclusion of courses on life skills

- It was suggested that students take up the various courses offered by the University in the areas of life skills and value addition for their overall improvement and well-being. The same was agreed upon and approved by the Board members. (**Annexure-II**)

- The meeting was adjourned with vote of thanks to the external experts and the members present in the BoS meeting.

The HoD, Department of Zoology extended sincere thanks to all members of the Board.

The meeting ended with a vote of thanks to the Chair.

Convenor of BoS & Dean, SoAS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha

HoD, Zoology

Annexure I

List of courses merged and new courses added (M.Sc. Zoology) in 2022-23

Name of Course	Course code	No. of Modules/Topics revised	Revised Modules/Topics (details)
Advanced Aquaculture	CUTM1442	05 modules	The syllabus was merged with the Coastal Aquaculture and new course "Advanced Sustainable Aquaculture" was developed.
Coastal Aquaculture	CUTM1447	05 modules	The syllabus was merged with the Advanced Aquaculture and new course "Advanced Sustainable Aquaculture" was developed.

Name of Course	Course code	No. of Modules/Topics revised	Revised Modules/Topics (details)
Research Methodology and IPR	CUTM 2378	Course has been introduced	New course introduced with five modules
Advanced Sustainable Aquaculture	CUTM 2379	Course has been introduced	New course introduced with five modules

Annexure II

List of Skill courses (Basket) approved

Sl. No	Course Title	Credit	(T+P+P)
1.	Refraction Technology (CUTM3057)	4	0+3+1
2.	Emergency Medical Technology (CUTM3058)	4	0+3+1
3.	Medical Lab Technology (CUTM3059)	4	0+3+1
4.	Operation Theatre Technology (CUTM3060)	4	0+3+1
5.	Radiology Technology (CUTM3061)	4	0+3+1
6.	Phlebotomy Technology (CUTM3062)	4	0+3+1
7.	First Aid Service (CUTM3063)	4	0+3+1
8.	General Duty Assistance Service (CUTM3064)	4	0+3+1
9.	X- ray Technology (CUTM3065)	4	0+3+1
10.	Medical Diagnostic Techniques (CUTM3124)	4	0+3+1
11.	Ophthalmic Lens and Spectacles Manufacturing (CUTM3123)	4	0+3+1

List of value-added courses approved

Sl. No	Course Title	Hrs. of input
1.	Gender, Human Rights and Ethics (CUVA4040)	30 hrs
2.	Yoga and Meditation (CUVA4021)	30 hrs
3.	Clinical Practice (CUVA4002)	30 hrs

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applied Sciences

Department of Zoology

Time: 11.00 AM

Date: 08.07.2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

Sl. No.	Name	Organization	Signature
1	Dr. Jitendra Kumar Sunderay	Head of Division, Fish Genetics and Biotechnology ICAR-Central Institute of Freshwater Aquaculture, Bhubaneswar	Attended online
2	Dr. E.M. Chhanda Prajnadarsini	ICAR – CMFRI, Chennai	Attended online
3	Akash Pradip Dash	MSc Alumni student Centurion University of Technology and Management	Attended online
4	Ronika Ragini Mishra	MSc Alumni student Centurion University of Technology and Management	Attended online

Dean, SoAS

Dean Academics
Dean Academics
Centurion University of Technology & Management
Odisha

HOD, SoAS

MINUTES OF BOARD OF STUDIES MEETING held on 08/07/2022

Venue: Hybrid Mode / Board Room of Bhubaneswar Campus

Time: 2.30 PM

The Board of Studies (BoS) meeting of Department of Physics School of Applied Sciences was held on **08/07/2022** at 11 AM in hybrid mode.

Prof. Supriya Pattanaik (VC, Centurion University of Technology and Management)
Prof. Anita Patra (Registrar, Centurion University of Technology and Management)
Dr. Debadhyan Behera (Associate professor, Department of Physics, Ravenshaw University, Cuttack, odisha)
Dr. Prasanta Mohanty (Dean – Academics)
Dr. Yashaswi Nayak (Dean – SoAS)
Dr. Chhayabrita Maji (Associate Dean- SoAS, Centurion University of Technology and Management)

All the members were welcomed to the online session by the Chairperson and were briefed regarding the purpose of the meeting. Thereafter, the Dean of SoAS presented on the achievements, improvements of the department in terms of academics and infrastructure.

Following are the programs offered by Department of Physics:

MSc (2 Years) in Physics
BSc (3 Years) in Physics

Agenda of the meeting:

Agenda 1: **The minutes of the last meeting of the BoS held on 09.07.2021 were confirmed.**

Agenda 2: **Discussion and approval on the content of syllabus for various courses of SoAS.**

At first, the Dean of the school presented the feedback received from several stakeholders, on the curriculum of its various departments. With respect to the feedback received from the stakeholders, the committee discussed and approved for incorporation/ modifications in the curriculum for the Academic session 2022-23.

- More emphasis should be given to practice classes so that students will have more practical based approach in the proposed practices and research review can also be included in the practice sessions.

- The reference books and textbooks to be added that are more specific and advanced keeping an eye on the course curriculum, which would be suitable for the learners.
- Making students skilled with tomorrows research challenges it was decided to include at least two to three original research papers as reference.
- Seminars should be conducted to encourage students to present original research papers to discuss smart experiments.
- The members went through the scheme and syllabus for new MSc courses and commented to be well structured and sound enough to enrich students in acquiring skills required by students to pursue higher research, self-employment and setting up of startups.
- The Board of Study members recommended and approved the syllabus for both BSc and MSc Programs to be taught in upcoming semesters.
- With the Recommendation of External Board of Members "Research Methodology and IPR" was introduced in the M.Sc. syllabus as core subject
- With the Recommendation of External Board of Members 5 Years Integrated B.Sc. - M.Sc. Programme was introduced.
- The meeting was adjourned with Vote of Thanks by the Registrar Prof. Anita Patra. She thanked all the external members present in the meeting for sparing their valuable time from their busy schedule and make it successful

The Dean, SoAS extended sincere thanks to all the members of the Board.

The meeting ended with a vote of thanks to the Chair.

Dean, SoAS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha
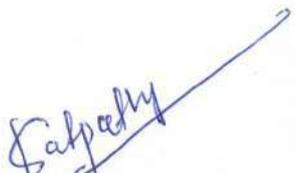
HOD, SoAS

Annexure A

- List of new courses added

Sl. No	Course Title	Type(Skill/Employability/Entrepreneurship	Credit
01	"Research Methodology and IPR"	Core	4

Annexure B

- List of existing courses where syllabus was changed

Basket/ Semester	Previous Courses (2021)	Revised Courses(2022)	Percentage of Change
I (Core Basket)	Material behavior of nanostructures (CUTM1406)	Material behavior of nanostructures	100%
	Essentials of nanomaterials (CUTM1411)		

Annexure C

- List of Skill courses introduced

Sl. No	Course Title	Credit	(T+P+P)
01	NA	4	0-3-1

- List of Domain courses introduced

Sl. No	Domain Course Title	Credit	(T+P+P)
	NA		

- List of value added courses introduced

Sl. No	Course Title	Hrs. of input
	NA	

Any other comments/decision taken;

Integrated 5 Years B.Sc.- M.Sc. Programme

Programme	Entry Option	Exit Option	No. of Years Break (Elg.) Credit Required for Entry	Credit earned after the Completion.

		Certificate upon the (Successful Completion of the First Year) Two Semesters) of the multidisciplinary Five-Year Integrated M.Sc. Programme.	Grade 12/Equivalent education	
	Grade 12/Equivalent education			48
	• Lateral entry after successful completion of the First Year) Two Semesters) of Five-Year Integrated M.Sc. Programme	Diploma upon the Successful Completion of the Second Year (Four Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	44- 48 credits	48+47=95
	• Bachelor Diploma	Basic Bachelor Degree with Honors at the Successful Completion of the Third Year (Six Semesters) of the multidisciplinary Four-Year Undergraduate Programmer / Five – Year Integrated Master's Degree Programme.	95 credits	95+50=145
	Basic Bachelor Degree with Honors	Bachelor Degree with Honors at the Successful Completion of the Fourth Year (Eight Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	145	145+52=197

	Basic Bachelor Degree with Honors (3 years)	Master Degree upon the Successful Completion of the Second Year (Four Semesters) Five – Year Integrated Master's Degree Programme.	145	120-132+(80-88) =200-220(NEP) 145+(80-88) = 225-233
	Bachelor Degree with Honors (4 years)	Master Degree a Discipline at the Successful Completion of the Fifth Year (Ten Semesters) of the multidisciplinary Five-year Integrated M.Sc. Programme.	197	197+45=242

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

Deaprtment of Physics

School of Applied Sciences

Time: 2.30 PM

Date: 08.07.2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

Sl. No	Name of the BoS Member(Internal Faculty and External Resource)	Designation	Signature
1.	Prof. Supriya Pattanaik	Vice Chancellor, Centurion University of Technology and Management	
2.	Prof. Anita Patra	Registrar, Centurion University of Technology and Management	
3.	Prof. Prasanta Mohanty	Dean, Academics, Centurion University of Technology and Management	
4.	Dr. Debadhyan Behera	Associate professor, Department of Physics, Ravenshaw University, Cuttack, odisha	
5.	Dr. Chhayabrita Maji	Associate Dean- SoAS, Centurion University of Technology and Management	
6.	Dr. Yashaswi Nayak	Dean – SoAS HoD- Dept of Zoology-SoAS, Centurion University of Technology and Management	
7.	Ayush ku sahu	BSc graduated student Centurion University of Technology and Management	Ayush K. Sahu
8.	Soumya ranjan sahoo	BSc Existing student Centurion University of Technology and Management	
9.	Debabrata Mohanty	MSc Graduated student Centurion University of Technology and Management	D. Mohanty
10.	Swapna Das	MSc Graduated student Centurion University of Technology and Management	
11.	Abhigyan Hota	MSc graduated student Centurion University of	Abhigyan Hota

			Technology and Management	
12.	Adya anandita datta		MSc Existing student Centurion University of Technology and Management	

Dean, SoAS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha

HOD, SoAS

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

SCHOOL OF FORENSIC SCIENCES

Date: 09.07.2022

MINUTES OF BOARD OF STUDIES MEETING held on 08.07.2022

Venue: Hybrid Mode (Board Room, CUTM, Bhubaneswar and Online)

Time: 11.00 a.m.

The Board of Studies (BoS) meeting of the School of Forensic Sciences was held on 08.07.2022 at 11a.m held in Board Room, CUTM, BBSR. The following members were present:

1. Dr. Amulyaratna Behera, Dean, SoFS
2. Dr. Aruna Kumar Swain, Retd. Asst. Director, SFSL, Rasulgarh, Bhubaneswar
3. Mr. Sanjeev S. Koni, Senior Forensic Expert, Delhi Police, New Delhi
4. Dr. P.K. Mohanty, Dean of Academics, CUTM
5. Dr. Supriya Pattanayak, VC, CUTM
6. Dr. Anita Patra, Registrar, CUTM
7. Dr. Naga Jogayya Kothakota, HoD, SoFS

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, Dr. P.K. Mohanty, Dean of Academics, CUTM Odisha presented achievements and improvements of the School of Forensic Science in the areas of academics and infrastructure.

The following agenda items were taken up subsequently:

Agenda: Discussion and approval on NFSU syllabus adoption (Admitted Batch 2022) and Modification of Existing Batch (Admitted Batch 2021) B.Sc. Forensic Science Syllabus and any other revision required in the Curriculum of M.Sc. Forensic Science and B.Sc-M.Sc. Integrated Forensic Science.

- The Dean, SoFS gave presented the feedback received on the curriculum outlining the suggestions made by the various stakeholders.
- Board decided to Adopt NFSU Syllabus for both B.Sc-M.Sc Integrated Forensic Science & M.Sc Forensic Science with CUTM codes along with NFSU subject codes for batch 2022 onwards (*Annexure I & Annexure II)*
- Syllabus of B.Sc. Forensic Science was revised for 2021 admitted batch. Changes will be implemented from semester – III onwards *(Annexure-III)*.
- Board decided to establish more Laboratory courses for B.Sc.-M.Sc. Integrated and M.Sc. Forensic Science with their respective courses
- Board approved the courses to be taught in upcoming semesters.
- The meeting ended with a vote of thanks by Dean, SoFS.

Convenor of BoS & Dean, SoFS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha

ANNEXURE-I

- List of New Courses of B.Sc.M.Sc. Integrated Forensic Science

Semester I

Sr. No.	Subject Code	Subject Name	L	T	P	C	TCH
1	CUTM2450	Introduction to Forensic Science	3	0	0	3	3
2	CUTM2451	Crime Scene Management & Criminal Profiling	3	0	0	3	3
3	CUTM2452	Crime and Society	3	0	0	3	3
4	CUTM2453	General Physics-I	3	0	0	3	3
5	CUTM2454	General Chemistry-I	3	0	0	3	3
6	CUTM2455	General Biology-I	3	0	0	3	3
7		Skill Based Elective - I	2	0	0	2	2
8	CUTM2456	Practical I	0	0	8	4	8
		Total Credit & Total Credit Hours				**24**	**28**

Semester II

Sr. No.	Subject Code	Subject Name	L	T	P	C	TCH
1	CUTM2457	Criminal and Evidence Law	3	0	0	3	3
2	CUTM2458	Fingerprint Science	3	0	0	3	3
3	CUTM2459	Questioned Document	3	0	0	3	3
4	CUTM2460	General Physics-II	3	0	0	3	3
5	CUTM2461	General Chemistry-II	3	0	0	3	3
6	CUTM2462	General Biology-II	3	0	0	3	3
7		Skill Based Elective - II	2	0	0	2	2
8	CUTM2463	Practical II	0	0	8	4	8
		Total Credit & Total Credit Hours				**24**	**28**

Semester III

Sr. No.	Subject Code	Subject Name	L	T	P	C	TCH
1.	CUTM2464	Forensic Psychology	3	0	0	3	3
2.	CUTM2465	Forensic Chemistry-I	3	0	0	3	3
3.	CUTM2466	Forensic Physics-1	3	0	0	3	3
4.	CUTM2467	Basics of Computer & Biometrics	3	0	0	3	3
5.		Core Elective – I (From Elective GroupA)	2	0	0	2	2
6.		Skill Based Elective - III	2	0	0	2	2
7.	CUTM2468	Practical III	0	0	8	4	8
		Total Credit & Total Credit Hours				**20**	**24**

List of Core Electives – Group A (For Semesters 3, 4 and 5)

- Sl. No. 1 to 4 can be selected in ODD SEMESTER while Sl. No. 5 to 6 can be selected in EVENSEMESTER

Sr. No.	Group A	Subject Code	Subject Name	L	T	P	Credits
1	Group A	CUTM247	Anti-dope Forensics	2	0	0	2
2	Group A		Incident Response and Management	2	0	0	2
3	Group A		Multimedia Forensics	2	0	0	2
4	Group A		Forensic Statistics	2	0	0	2
5	Group A		Accident Investigations	2	0	0	2
6	Group A		Immunology and Immunological Techniques	2	0	0	2

List of Core Electives – Group B (For Semester 6 and 7)

Sl. No. 1 to 3 can be selected in EVEN SEMESTER while Sl. No. 4 to 6 can be selected in the ODDSEMESTER

Sl. No.	Group B	Code	Course Title	L	T	P	Credits
1	Group B		Clinical Toxicology	2	0	0	2
2	Group B		Forensic DNA Analysis	2	0	0	2
3	Group B		Forensic Engineering	2	0	0	2
4	Group B		Applied Cryptography	2	0	0	2
5	Group B		Data Science & Artificial Intelligence	2	0	0	2
6	Group B		Forensic Photography	2	0	0	2

List of Skill-Based Electives – (From Semesters 1 to 4)

Sl. No.	Code	Course Title	L	T	P	Credits
1	CUTM2469	Communication Skills	2	0	0	2
2	CUTM2470	English	2	0	0	2
3	CUTM2471	Yoga and its benefits-I	2	0	0	2
4	CUTM2472	Yoga and its benefits-II	2	0	0	2

Total Credits: 222

L: Lecture T: Tutorial P: Practical TCH: Total Credit Hours

1 C = 1 Hour of Lecture / Tutorial and 1 C = 2 Hours of Practical / Project.

ANNEXURE-II

- List of New Courses of M.Sc Forensic Science

1. Core Courses

Sr. No.	Course Code	Course Name	Credits (T+P+Pj)
1.	CUTM2509	Introduction to Forensics, Psychology, Law and Statistics	4+0+0
2.	CUTM2510	Instrumental Techniques	4+1+0
3.	CUTM2511	Forensic Physics and Crime Scene Management	4+1+0
4.	CUTM2512	Finger Prints and Questioned Documents	4+1+0
5.	CUTM2513	Forensic Biology and Biochemistry	4+1+0
6.	CUTM2514	Quality Management, Narcotic Drugs, Explosives and Forensic Chemistry	4+1+0
7.	CUTM2515	Forensic Medicine and Anthropology	4+1+0
8.	CUTM2516	Forensic Serology and DNA Profiling	4+1+0
9.	CUTM2517	Forensic Toxicology and Pharmacology	4+1+0
10.	CUTM2518	Forensic Ballistics and Computer Forensics	4+1+0
11.	CUTM2526*	Pharmacology and Pharmaceutical Drug Analysis	4+3+0
12.	CUTM2527*	Concepts of Toxicology	4+3+0
13.	CUTM2528*	Modern and Applied Analytical Forensic Chemistry	4+3+0
14.	CUTM2529*	Molecular Biology and Genetics	4+3+0
15.	CUTM2530*	Biotechnology in Pharmaceutical Sciences	4+3+0
16.	CUTM2531*	Environmental Biotechnology	4+3+0
17.	CUTM2532*	Advance in Physical Techniques	4+3+0
18.	CUTM2533*	Concepts of Conventional and Modern Ballistics	4+3+0
19.	CUTM2534*	Audio Recognition and Video Analysis	4+3+0
20.	CUTM2535*	Modern Trends in Fingerprints Sciences	4+3+0
21.	CUTM2536*	Questioned Documents and Forensic Accounting	4+3+0
22.	CUTM2537*	Forensic Photography and Biometric Traits	4+3+0
23.	CUTM2538*	Cyber Law and IRM	4+3+0
24.	CUTM2539*	Digital Forensics	4+3+0
25.	CUTM2540*	Vulnerability Assessment and Penetration	4+3+0

* Specialization Core Courses

2. Elective Courses

Sr. No.	Course Code	Course Name	Credits (T+P+Pj)
1.	CUTM2519	Forensic Engineering	4+0+0
2.	CUTM2520	Fire Investigation	4+0+0
3.	CUTM2521	Explosive Analysis	4+0+0
4.	CUTM2522	Nanobiotechnology	4+0+0
5.	CUTM2523	Forensic Voice, Multimedia Comparison And Evidence Evaluation	4+0+0
6.	CUTM2524	Modern Cryptography and Steganography	4+0+0
7.	CUTM2525	Research Methodology	4+0+0

* To be opted in third semester

ANNEXURE-III

SUBJECT COURSE CODE & CREDIT

SEMESTER-I

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2307	Fundamentals of Forensic Science	4+2+0
2	CUTM2308	Introduction to Crime Scene	4+2+0
3	CUTM	DSE	4
4	CUTM1693	Proficiency in English	1+1+0

SEMESTER-II

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2309	Forensic Related Laws	3+0+2
2	CUTM2310	Forensic Psychology	3+1+1
3	CUTM	Generic Science Elective	6
5	CUTM1674	Ability Enhancement Compulsory Course : Environmental Science	0+0+2

SEMESTER- III

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2311	Fingerprint Science & Other Impressions	3+2+0
2	CUTM2312	Instrumental Methods of Analysis	3+2+0
3	CUTM2314	Forensic Chemistry	3+2+0
4	CUTM	Generic Science Elective	6
5	CUTM	Discipline Specific Elective	4
6	CUEA4046	SEC - Human Values & Professional Ethics	0

SEMESTER-IV

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2315	Forensic Document Examination	3+2+0
2	CUTM2316	Forensic Biology, Serology & DNA Fingerprinting	3+2+0
3	CUTM2317	Forensic Ballistics	3+2+0
4	CUTM	Generic Science Elective	6
5	CUTM	Discipline Specific Elective	4
6	CUEA4042	SEC - Life Skill Development	0

SEMESTER-V

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2313	Forensics Physics	3+2+0
2	CUTM2318	Forensic Toxicology	3+2+0
3	CUTM2319	Forensic Medicine	3+1+1
4	CUTM2320	Digital Forensics	3+2+0
5	CUTM	Generic Science Elective	6
6	CUTM	Discipline Specific Elective	4

SEMESTER-VI

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM	Internship	20
2	CUEA4009	Research Methodology and Intellectual Property Rights	0

DISCIPLINE SPECIFIC ELECTIVE (DSE)

Sl. No.	Course Code	Course	Credit(T+P+Pj)
1	CUTM2321	Forensic Photography	3+1+0
2	CUTM2322	Forensic Accounting & Fraud Investigation	3+0+1
3	CUTM2323	Wildlife Forensics	3+1+0
4	CUTM2324	Biometry	3+1+0
5	CUTM2325	Forensic Nanotechnology	3+1+0
6	CUTM2326	Mobile Forensics	3+1+0
7	CUTM2327	Multimedia Forensics	3+1+0
8	CUTM2328	Quality Control and Quality Assurance	3+0+1
9	CUTM2329	Criminalistics	3+1+0

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT
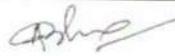## School of Forensic Sciences

Time: 11.00 AM

Date: 08.07.2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

Sl. No.	Name	Organization	Signature
1	Dr. Amulyaratna Behera	Dean, SoFS	
2	Dr. A.K. Swain	Retd. Asst. Director, SFSL, Rasulgarh, Bhubaneswar	Attended Online
3	Mr. Sanjeev S. Koni	Senior Forensic Expert, Delhi Police, New Delhi	Attended Online
4	Dr. Naga Jogayya Kothakota	HoD, SoFS	

Dean, SoFS

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Odisha

HOD, SoFS

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Management

Date: 14.07.2022

MINUTES OF BOARD OF STUDIES MEETING held on 08.07.2022

Venue: Online Zoom Platform

Time: 2.30 pm

The Board of Studies (BoS) meeting of School of Management was held on 08.07.2022 at 2.30 p.m. in the online zoom platform. The following members were participated:

1. Dr. Supriya Pattnayak, VC, CUTM
2. Dr. Anita Patra, Registrar, CUTM
3. Dr. Prasanta Kumar Mohanty, Dean, Academics, CUTM
4. Dr. Arup Barman, Professor, Department of Business Administration, Assam University, Silchar
5. Mr. Aditya Sapru, Managing Director, Neumck Strategy and Advisory, Bangalore
6. Dr. Alok Srivastava, COO & Director Medical Services, Apollo Hospitals, Bhubaneswar
7. Mrs. Alekhika Patnaik, Ailine Operation and Training (Jet Airways & Go Air)
8. Dr. Girija Nandini, PGP Coordinator, SoM, CUTM
9. Dr. Bibhunandini Das, UGP Coordinator, SoM, CUTM
10. Dr. Pramod Kumar Patjoshi, B. Com Program Coordinator, SoM, CUTM
11. Dr. Umakanta Nayak, Dean, SoM, CUTM

The Vice-Chancelor, CUTM welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Dean, SoM presented the achievements and improvements of the School in the areas of academics, research, consultancy and infrastructure.

The following agenda items were taken up subsequently:

Agenda 1: **The minutes of the last meeting of the BoS held on 09.07.2021 were confirmed.**

Agenda 2: **Discussion and approval on revision required in the Curriculum of MBA Program**

- The Dean, SoM presented the MBA curriculum based on the feedback and suggestions made by the various stakeholders. Board discussed the curriuculum throughly and approved the inclusion of a new elective basket on Healthcare Management into the syllabus for the academic year 2022-23 (*Annexure-I*).

Agenda 3: **Discussion and approval on revision required in the Curriculum of MBA – RUDM & ABM Program**

- MBA – RUDM & ABM curriculum was presented based on the feedback and suggestions made by the various stakeholders. Board discussed the curriuculum throughly and approved the existing syllabus without changes for the academic year Year 2022-23.

Agenda 4: **Discussion and approval on revision required in the Curriculum of BBA program**

- BBA syllabus was presented based on the suggestions made by the various stakeholders . The Board accepted and approved the existing syllabus without changes for the academic year 2022-23.

Agenda 5: **Discussion and approval on revision required in the Curriculum of B.Com program**

- B.Com syllabus was presented based on the suggestions made by the various stakeholders . The Board accepted and approved the existing syllabus without changes for the academic year 2022-23.

Agenda 6: **Discussion and approval on new Curriculum of Bachelor of Management Studies (Airlines and Airport Management)**

- The new curriculum of Bachelor of Management Studies (Airlines and Airport Management) was presented based on the feedback and suggestions made by the various stakeholders. Board discussed the curriuculum throughly and approved the curriculum for the academic year 2022-23 (*Annexure-II*).

Agenda 7: Inclusion of courses on life skills and value addition

Various courses were presented to be offered by the University in the areas of life skills and value addition for the overall improvement and well being of students. The same was agreed upon and approved by the Board members.

The Dean, SoM extended sincere thanks to all members of the Board.

The meeting ended with a vote of thanks to the Chair.

Dean. SoM

Dean, Academics

Centurion University of Technology & Management
Odisha

Annexure-I

List of new courses added in MBA (elective basket on Healthcare Management)

Sl. No	Course Title	Type (Skill/Employability/ Entrepreneurship)	Credit
1	Hospital Administration	Skill & Employability	4
2	Digital Healthcare	Skill & Employability	5
3	Management of Quality	Skill & Employability	2
4	Legal and Ethical Issues for Hospitals	Employability	4
5	Marketing of Hospital Services	Employability and Entrepreneurship	4
6	Clinical, Diagnostic & Therapeutic Services	Employability	4
7	Health Policy and Health Care Management	Employability	4
8	Planning of Hospital and Core Services	Skill & Employability	4
9	Hospital Architecture, Planning and Maintenance	Skill & Entrepreneurship	4
10	Purchase Management & Hospital Record keeping	Skill & Entrepreneurship	4
11	Hospital Support System	Employability	4
12	Introduction to Quality and Patient Safety	Employability	5

Programme Structure of Bachelor of Management Studies (Airlines and Airport Management)

Basket	Course Category	Credits	Course Type
I	Core Courses (CC)	84	Compulsory
II	Ability Enhancement Compulsory Courses (AECC)	8	Compulsory
III	Generic Electives (GE) / Interdisciplinary Courses	24	Elective
IV	Skill Enhancement Courses (SEC)	8	Elective
V	Discipline Specific Electives (DSE)	24	Elective
	Total Credits	148	

CORE COURSES
T+P+P stands for Theory + Practice + Practical

Sl. No	Code	Course	Credit	T+P+P
1	CUTM1209	Fundamentals of Management	4	3+0+1
2	CUTM1210	Organisational Behaviour	4	3+0+1
3	CUTM1211	Statistics for Business Decisions	6	4+2+0
4	CUTM1212	Managerial Economics	6	4+0+2
5	CUTM1213	Business Accounting	6	4+0+2
6	CUTM1214	Macro Economics	6	4+0+2
7	CUTM1215	Principles of Marketing	6	4+0+2
8	CUTM1216	Management Accounting	6	4+0+2
9	CUTM1217	Business Research	6	4+0+2
10	CUTM1218	Human Resource Management	6	4+0+2
11	CUTM1219	Financial Management	6	4+0+2
12	CUTM1220	Quantitative Techniques for Management	6	2+4+0
13	CUTM1221	Legal Aspects of Business	4	3+1+0
14	CUTM1222	Business Policy and Strategy	6	4+1+1
15	CUTM1223	Investment Banking & Financial Services	6	4+0+2

ABILITY ENHANCEMENT COMPULSORY COURSES

Sl No	Code	Course	Credit	T+P+P
1	CUTM2496	Airline Grooming and Soft Skill	4	0+4+0
2	CUTM1674	Environmental Science	4	3+0+1

SKILL ENHANCEMENT COURSE

Sl No	Code	Course	Credit	T+P+P
1	CUTM2497	Company Management Operation	2	1+0+1
2	CUTM2498	Airmanship	2	0+1+1
3	CUTM1224	Summer Internship	4	0+0+4

GENERIC/ INTERDISCIPLINARY ELECTIVE

Sl No	Code	Course	Credit	T+P+P
1	CUTM2499	Fundamentals of Airline and Airport Industry	2	1+0+1
2	CUTM2500	COP RTR	6	1+3+2
3	CUTM2501	Ramp Operation and Management	4	1+1+2
4	CUTM2502	Airline and Airport Security Management and Operation	6	2+2+2
5	CUTM2503	Airline & Airport Safety Management and Operation	6	2+2+2

DISCIPLINE SPECIFIC ELECTIVES

Sl. No	Code	Course	Credit	T+P+P
1	CUTM2504	Cargo Management and Operation	6	2+2+2
2	CUTM2505	Passenger and Public Handling in Airline and Airport	3	1+1+1
3	CUTM2506	Airport Management and Operation	6	2+2+2
4	CUTM2507	Meteorology	3	1+1+1
5	CUTM2508	Dangerous Goods	6	2+2+2

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Management

Time: 2.30 p.m.   Date: 08.07.2022

Venue: Online Zoom Platform

Board of Studies Meeting

Attendance Sheet

Sl.No.	Name of the Member	Designation	Signature
1	Dr. Anita Patra	Registrar, CUTM	Attended Online
2	Dr. Prasanta Kumar Mohanty	Dean, Academics, CUTM	Attended Online
3	Dr. Arup Barman	Professor, Department of Business Administration, Assam University, Silchar	Attended Online
4	Mr. Aditya Sapru	Managing Director, Neumck Strategy and Advisory, Bangalore	Attended Online
5	Dr. R. Divakar	Center for Agrarian Studies, NIRD&PR. Hyderabad	Attended Online
6	Mr. Hemant Pamarthy	Independent Consultant and Former Director Ujjivan MicroFinance	Attended Online
7	Dr. Subhendu Mishra	PGP Coordinator, SoM, CUTM	Attended Online
8	Dr. Girija Nandini	PGP Coordinator, SoM, CUTM	Attended Online
9	Dr. Bibhunandini Das	UGP Coordinator, SoM, CUTM	Attended Online
10	Dr. Pramod Kumar Patjoshi	B. Com Program Coordinator, SoM, CUTM	Attended Online
11	Dr. Umakanta Nayak	Dean, SoM, CUTM	Attended Online

Dean, SoM

Dean, Academics
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Odisha

MINUTES OF BOARD OF STUDIES MEETING held on 08/07/2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Time: 11.00 AM

The Board of Studies (BoS) meeting of School of Paramedics and Allied Health Sciences was held on **08/07/2022** at 11 AM in hybrid mode.

Dr. Alok Srivastava (COO & Director, Medical Services, Apollo Hospitals, Bhubaneswar)
Dr. Debi Prasad Rath (MD, Professor in Pathology, CARE Hospital, Bhubaneswar)
Dr. Aurolipy Das (Faculty of Hospital Administration, Assoc. Prof. & HOD Quality, IMS and SUM Hospital, Bhubaneswar)
Dr. Sakuntala Sahani (Ex-deputy Director, Nursing, Govt. of Odisha)
Prof. Rajlakshmi Mishra (Principal, College of Nursing, Berhampur)
Ms. Diptimayee Mishra (Health Programme Manager, Swasthya Swaraj, Bhawanipatna)
Prof. Sunil Kumar Jha (Dean, SoPAHS)
Dr. Soumya Jal (HoD, SoPAHS)
Dr. P.K. Mohanty, Dean (Acad) CUTM

All the members were welcomed to the online session by the Chairperson and were briefed regarding the purpose of the meeting. Thereafter, the Dean of SoPAHS presented on the achievements, improvements of the department in terms of academics and infrastructure.

Following are the programs offered by SoPAHS:

MSc Medical Laboratory Technology (MSc MLT)
MSc Applied and Clinical Microbiology (MSc CMB)
MSc Optometry (MSc Optom)
BSc Medical Laboratory Technology (BSc MLT)
BSc Clinical Microbiology (BSc CMB)
BSc Medical Radiation Technology (BSc MRT)
BSc Optometry (BSc Optom)
BSc Anaesthesia Technology (BSc AT)
BSc Operation Theatre Technology (BSc OTT)
BSc Emergency Medicine Technology (BSc EMT)
Bachelor of Physiotherapy (BPT)

Agenda of the meeting:

Agenda 1: **The minutes of the last meeting of the BoS held on 09.07.2021 were confirmed.**

Agenda 2: **Discussion and approval on the content of syllabus for various courses of SoPAHS.**

At first, the Dean of the school presented the feedback received from several stakeholders, on the curriculum of its various departments. With respect to the feedback received from the stakeholders, the committee discussed and approved for incorporation/ modifications in the curriculum for the Academic session 2022-23.

- The following programmes were introduced in SoPAHS for the AY 2021: Master of Public Health; BSc Digital Health and Telemedicine; BSc Medical Record Technology. All the programmes implemented the CBCS pattern into their curriculum. BSc Nursing is also approved in this academic session as per the guidelines by INC (Indian Nursing Council).
- Syllabus for MSc Medical Laboratory Technology, MSc Applied and Clinical Microbiology, MSc Optometry, BSc Medical Laboratory Technology, BSc Clinical Microbiology, BSc Optometry, BSc Anaesthesia Technology, BSc Operation Theatre Technology, BSc Emergency Medicine Technology, Bachelor of Physiotherapy were approved without any revision.
- The committee discussed to modify the content in BSc Medical Radiation Technology. It was decided to introduce more industry oriented subjects i.e. Basics of Nuclear Medicine Imaging, Basics of Computed Tomography, Basics of Megnetic Resonance Imaging. Modifications in MRI Scanning and Procedures, Fundamental Medical Imaging, Interventional Radiology and Drug Diagnostic Radiology were suggested based on the current need in hospitals.
- New courses added into the curriculum are provided in *Annexure A*.
- Modifications in syllabus are provided in *Annexure B*.

Agenda 3: **Inclusion of courses on life skills and value addition**

For the overall development and wellbeing of the students, it was advised that students enroll in the various life skills and value-adding courses that are offered by the university. The Board members agreed and gave their approval to the same.

Details of the life skill and value added courses introduced are mentioned in *Annexure C*.

The Dean, SoPAHS extended sincere thanks to all the members of the Board.

The meeting ended with a vote of thanks to the Chair.

Dean, SoPAHS

Dean, Academics
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Odisha

HOD, SoPAHS

Annexure A

List of new courses added

Sl. No	Course Title	Type (Skill/ Employability/ Entrepreneurship)	Credit
	BSc Medical Radiation Technology		
1.	Basics of Nuclear Medicine Imaging	Employability	4
2.	Basics of Computed Tomography	Employability	4
3.	Basics of Magnetic Resonance Imaging	Employability	4
4.	Research Methodology	Skill	3
	Master of Public Health		
1.	Biostatistics	Employability	4
2.	Introduction to Public Health	Employability	4
3.	Maternal and Child Health	Employability	4
4.	Health Behavior & Promotion	Employability	4
5.	Environmental and Occupational Health	Employability	3
6.	Disease Related Epidemiology	Employability	4
7.	Health Economics	Employability	4
8.	Public Health Nutrition	Employability	4
9.	Community Based Service Learning	Entrepreneurship	2
10.	Internship	Entrepreneurship	12
11.	Project	Employability	12
12.	Research Methodology	Skill	3
13.	Epidemiology	Employability	3
14.	Health Programme in India	Skill	3
15.	Clinical, Diagnostic & Therapeutic Services	Employability	4
16.	Hospital Administration	Entrepreneurship	4
17.	Management of Quality	Employability	2
18.	Health Policy and Health Care Management	Skill	4
	BSc Digital Health and Telemedicine		
1.	Telemedicine	Entrepreneurship	6
2.	AYUSH and Naturopathy	Employability	5
3.	e-Commerce and e-health	Employability	5
4.	DBMS, ERP system on health care	Employability	5
5.	Applications of AI in health care	Employability	4
6.	Health care data analytics	Employability	5
7.	Global Digital Health Market and its regulatory compliance	Skill	5

8.	Government initiatives and WHO guidelines in digital health	Employability	5
9.	ARVR application in Health care	Skill	5
10.	Machine Learning and Deep learning in Health care	Skill	4
11.	Internship	Entrepreneurship	12
12.	Project	Employability	12
13.	General Anatomy and Physiology	Employability	3
14.	Medical Terminology and Record keeping	Skill	3
15.	Basic principles of Hospital Management	Employability	4
16.	Introduction to Quality and Patient Safety	Employability	5
17.	Medical Law and Ethics	Skill	4
18.	Hospital Support System	Skill	4
19.	Clinical, Diagnostic and Therapeutic Service	Employability	4
20.	Health Programme in India	Skill	3
21.	Epidemiology	Employability	3
22.	Biostatistics	Skill	4
23.	System and Network Security	Employability	6
	BSc Medical Record Technology		
1.	Medical Record Science I	Employability	5
2.	Health Information Management I	Employability	4
3.	Health Information Management II	Employability	4
4.	International Classification of Diseases	Skill	4
5.	Consumer Protection Act	Skill	3
6.	Medical Record Science II	Employability	5
7.	Growth and Evolution of Digital Health	Employability	4
8.	Internship	Entrepreneurship	12
9.	Project	Employability	12
10.	General Anatomy and Physiology	Employability	3
11.	Medical Terminology and Record keeping	Skill	3
12.	Basic principles of Hospital Management	Employability	4
13.	Medical Law and Ethics	Skill	3
14.	Biostatistics	Employability	4
15.	Epidemiology	Employability	3
16.	System and Network Security	Employability	6
17.	Purchase Management & Hospital Record keeping	Skill	4
18.	Hospital Support System	Skill	4
19.	Government initiatives and WHO guidelines in digital health	Skill	5
20.	Telemedicine	Employability	6
21.	Health Programme in India	Skill	3

22.	AYUSH and Naturopathy	Employability	5
23	DBMS, ERP System on Health Care	Employability	5
24.	E-commerce and e-health	Employability	5
	BSc Nursing (1st year)		
1.	Anatomy	Employability	3
2.	Physiology	Employability	3
3.	Psychology	Employability	3
4.	Nursing foundation- I	Employability	6
5.	Sociology	Skill	3
6.	Communicative English	Skill	2
7.	Biochemistry	Employability	2
8.	Applied Nutrition and Dietetics	Employability	3
9.	Nursing foundation- II	Employability	6
10.	Nursing informatics and technology	Employability	2

Annexure B

List of existing courses where syllabus was changed

Basket/ Semester	Name of Course	No. of Modules/Topics revised	Revised Modules/Topics (details)
BSc MRT			
	MRI Scanning and Procedures	1	Nomenclature of the course was changed from BASIC OF MAGNETIC RESONANCE IMAGING based on experts suggestion
	Interventional Radiology and Drug Diagnostic Radiology	1	Change in Credits from 5 to 4 credits
	Fundamental Medical Imaging	1	Change in Credits from 6 to 5 credits
	Project	1	Change in Credits from 18 to 10 credits
	Internship	1	Change in Credits from 18 to 10 credits
	Computerized Tomography (CT Scanning) method and procedure	1	New Contents added regarding knowledge of CT Angiography, CT artifacts
	Principles of Radiation Therapy	2	Content swipped into Radiotherapy and Brachytherapy in malignant and non-malignant disease
	Applied Radiation Physics & Radiation Protection	2	Module-1 and module-2 partially modified
	Applied Equipment of Radio diagnosis	2	2 new modules incorporated

Annexure C

List of Domain courses approved

Sl. No	Domain Course Title	Credit	(T+P+P)
1.	Health Care Assistancy	25	(8+7+10)

List of Skill courses (Basket) approved

Sl. No	Course Title	Credit	(T+P+P)
1.	Refraction Technology (CUTM3057)	4	0+3+1
2.	Emergency Medical Technology (CUTM3058)	4	0+3+1
3.	Medical Lab Technology (CUTM3059)	4	0+3+1
4.	Operation Theatre Technology (CUTM3060)	4	0+3+1
5.	Radiology Technology (CUTM3061)	4	0+3+1
6.	Phlebotomy Technology (CUTM3062)	4	0+3+1
7.	First Aid Service (CUTM3063)	4	0+3+1
8.	General Duty Assistance Service (CUTM3064)	4	0+3+1
9.	X- ray Technology (CUTM3065)	4	0+3+1
10.	Medical Diagnostic Techniques (CUTM3124)	4	0+3+1
11.	Ophthalmic Lens and Spectacles Manufacturing (CUTM3123)	4	0+3+1

List of value-added courses approved

Sl. No	Course Title	Hrs. of input
1.	Gender, Human Rights and Ethics (CUVA4040)	30 hrs
2.	Yoga and Meditation (CUVA4021)	30 hrs
3.	Clinical Practice (CUVA4002)	30 hrs

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Paramedics and Allied Health Sciences

Time: 11.00 AM

Date: 08.07.2022

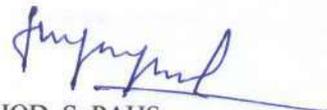Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

Sl. No.	Name	Organization	Signature
1	Dr. Alok Srivastava	COO & Director, Medical Services, Apollo Hospitals, Bhubaneswar	Attended online
2	Dr. Debi Prasad Rath	MD, Professor of Pathology, CARE Hospital, Bhubaneswar	Attended online
3	Dr. Aurolipy Das	Faculty of Hospital Administration, Assoc. Prof. & HOD Quality, IMS and SUM Hospital, Bhubaneswar	Attended online
4	Ms. Diptimayee Mishra	Health Programme Manager, Swasthya Swaraj, Bhawanipatna	Attended online

Dean, SoPAHS

Dean, Academics
Centurion University of Technology & Management
Odisha

HOD, SoPAHS

School of Pharmacy and Life Sciences

Centurion University of Technology and Management

Date: 08-07-2022

MINUTES OF BOARD OF STUDIES MEETING

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Time: 11.00 a.m.

The Board of Studies (BoS) meeting of School of Pharmacy and Life Sciences(SoPLS) was held on **08-07-2021** at 11 a.m. in the Board Room, CUTM Bhubaneswar. The following members were present:

1. Prof. Supriya Pattnaik, Vice Chancellor, CUTM
2. Prof. Anita Patra, Registrar, CUTM
3. Dr. Gurudutta Pattnaik, Dean SoPLS
4. Dr P.K Mohanty, Dean Academics, CUTM
5. Dr. Amulyaratna Behera, Professor SoPLS
6. Mr. Himansu Bhusan Samal, Associate Professor SoPLS

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Head of the School of Pharmacy and Life Sciences presented the achievements and improvements of the department in the areas of academics, research, consultancy and infrastructure.

The following agenda items were taken up subsequently:

Agenda 1: **The minutes of the last meeting of the BoS held on 09-07-2021 were confirmed.**

Agenda 2: The committee decided to apply Pharmacy council of India for increase in intake for B. Pharm in Balasore campus intake capacity from 60 to 100 & opening of new Programme in M. Pharm (Pharmaceutics) in Rayagada Campus **(15 Intake)**

Agenda 3: **Discussion and Resolutions taken (Syllabus/Evaluation systems etc.)**

- Feedback received from different stakeholders such as, expert from academics, pharmaceutical industry & students for designing and review of syllabus.
- As per Pharmacy council of India, the statutory council which regulates the Education system in the country have restructured their syllabus in 2017. The new syllabus framed and implemented in 2018 is as per the current need pharmaceutical sector. Hence the current syllabus is being imparted from 2018 to till date.
- School of Pharmacy and Life Sciences progress and performance in academic is reviewed and found satisfactory in syllabus, class performance and results, hence BOS after due deliberation accepted the points raised by the Dean of School of Pharmacy and Life Sciences.
- It is also resolved to follow the prescribed syllabus, credit system of PCI guide lines with an incorporation of university course code.

- Project work: The Board approved the revision of the syllaubus in keeping with the latest requirements of the industry.

Agenda 4: Inclusion of courses on life skills and value addition

- It was suggested that students take up the various courses offered by the University in the areas of life skills and value addition for their overall improvement and well being. The same was agreed upon and approved by the Board members.

The Dean, School of Pharmacy and Life Sciences extended sincere thanks to all members of the Board.

The meeting ended with a vote of thanks to the Chair.

Dean, SoPLS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha

Annexure A

List of Skill Courses:

Sl. No	Course Title	Credit
1	3D Game Art	4
2	Drug Design using Biovia Discovery Studio	4
3	Opthalmic Lens and spectacle manufacturing Techniques	4
4	Medical Diagnostic Techniques_	4
5	Introduction to Aquaponics	4
6	Polyhouse Automation	4
7	Development of Processor (Shakti)	4
8	Spectroscopy	4
9	Extraction Technologies	4
10	Gamified DIY kits using Lasers	4
11	VR Assets Development	4
12	GIS and Remote Sensing: Applications in Participatory Natural Resource Management	4
13	GIS and Remote Sensing: Application Development	4
14	3D Modelling and Printing	4
15	Brew Master	4

Value Added courses offered by University in 2022-23:

Sl. No	Course Title	Hrs. of input
1	Ethical Hacking	30 Hours
2	Clinical Practice	30 Hours
3	Financial Literacy	30 Hours
4	MATLAB	30 Hours
5	MS Excel Basics	30 Hours
6	Pharmaceutical Dry-Lab Techniques	30 Hours
7	Research Methodology and IPR	30 Hours
8	Steps for Career Plan	30 Hours
9	TABLEAU	30 Hours
10	Technical Writing	30 Hours
11	Waste to Wealth	30 Hours
12	Web Development	30 Hours
13	Yoga and Meditation	30 Hours
14	Health and Lifestyle	30 Hours
15	Life Skills and Moral Value Education	30 Hours
16	Video Making for You tubers	30 Hours

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Pharmacy and Life Sciences

Time: 11.00 AM   Date: 08.07.2022

Venue: Hybrid mode (Board Room, CUTM, Bhubaneswar and online)

Board of Studies Meeting

Attendance Sheet

Sl. No	Name of the BoS Member	Designation	Signature
1.	Prof. Supriya Pattnaik	Vice Chancellor, Centurion University of Technology and Management	
2.	Prof. Anita Patra	Registrar, Centurion University of Technology and Management	
3.	Dr. Gurudutta Pattnaik	Dean, School of Pharmacy and Life Sciences, Centurion University of Technology and Management	
4.	Dr. Amulyaratna Behera	Dean, School of Forensic Sciences, Centurion University of Technology and Management	
5.	Dr P.K Mohanty	Dean Academics, Centurion University of Technology and Management	
6.	Mr. Himansu Bhusan Samal	Associate Professor School of Pharmacy and Life Sciences, CUTM	

Dean, SoPLS

Dean, Academics
Dean Academics
Centurion University of Technology & Management
Odisha