



## 12<sup>th</sup> Board of Studies Meeting

### School of Applied Sciences

Academic year: 2023-24

Date: 7<sup>th</sup> September 2023.

Venue: Hall No. 6

#### Agenda:

1. Confirmation of Minutes of BoS Meeting held on 11<sup>th</sup> July 2022.
2. Discussion and approval on any revision required in the curriculum in the School of Applied Sciences.
3. Inclusion of Courses on Life Skill and Value Addition.
4. Any other points with due permission of the Chair.

A handwritten signature in black ink, appearing to be "J. Paul", written over the printed word "Dean,".

Dean,

School of Applied Sciences.

DEAN  
School of Applied Sciences  
CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT  
Bhubaneswar, Odisha



## CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

### School of Applied Sciences

Date: 07.09.2023

#### MINUTES OF BOARD OF STUDIES MEETING held on 7<sup>th</sup> September 2023

Venue: Conference Hall

Time: 10.30 am

The Board of Studies (BoS) meeting of School of Applied Sciences was held on 07.09.2023 at 10.30 am in offline mode. The following are the members:

1. Prof. Sujit Roy (IIT Bhubaneswar)
2. Mr. J. K. Rath (Mechem (P) Ltd)
3. Dr. Susanta Kumar Biswal (CUTM)
4. Dr. Dojalisa Sahu (CUTM)
5. Dr. Ashish Kumar Sahoo (CUTM)

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Head of the Department/ Dean presented the achievements and improvements of the department/school in the areas of academics, research, consultancy and infrastructure. The Head of the Department/ Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 08.07.2022 were confirmed.**

**Agenda 2: Discussion and approval on any revision required in the Curriculum of B.Sc. and M.Sc.**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

List of new courses approved by the Board is provided in Annexure A

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

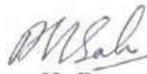
It was suggested that the students take up the various courses offered by the University in the areas of life skills and value addition for their overall improvement and well-being. Department of Chemistry has proposed two skill courses, which the Board of members agreed upon and approved. The details of the skill courses are in Annexure B.

**Agenda 4: Any other item with due permission of the chair**

The Dean/Head of the Department extended sincere thanks to all members of the Board.

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

  
Pro-Vice Chancellor  
**Pro Vice-Chancellor**  
**Centurion Univesity**  
**Bhubaneswar,Odisha**

  
HoD  
**HOD**  
**Department of Chemistry**  
**School of Applied Sciences**  
Centurion University of Technology & Management  
Bhubaneswar,Odisha

  
Dean School of Applied Sciences  
**DEAN**  
**School of Applied Sciences**  
CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT  
Bhubaneswar,Odisha

## ANNEXURE A

The following are the modifications suggested by external experts for BoS 2023.

1. B.Sc. syllabus is complete and adequate, and no change is required. However, the teaching duration needs to be increased.
2. Regarding M.Sc. syllabus, it was observed that some of the courses have common syllabus and some of the captions are repetitive. These need to be merged. In place of these a couple of new courses of applied relevance need to be added.

The courses to be merged:

- (a) Polymer Chemistry (CUTM 1417) and Biopolymer and Hydrogel (CUTM 1421)
- (b) Industrial Pollution and Management (CUTM 1419) and Sustainable Chemistry (CUTM 1425)
- (c) Advanced Characterization Techniques (CUTM 1402) and Characterization Techniques (CUTM 1426)

Three suggested courses to be introduced:

- (a) Industrial Organic Chemistry
- (b) Applied Inorganic Chemistry
- (c) Applied Physical Chemistry.

## **Annexure B**

The following skill courses have been proposed from the Department of Chemistry and approved by Board members.

1. **Basic Analytical Chemistry (CUTM 3149)**
2. **Green Synthesis (CUTM 3150)**

## ANNEXURE - B

## Value Added Courses\_2021

| Sl. No. | Course Code | Course title   | Credit (30 Hrs) | School/Department |
|---------|-------------|--|-----------------|-------------------|
| 1       | CUVA4000    | Society and Culture                                      |                 | All               |
| 2       | CUVA4001    | Quality Analysis   |                 | All               |
| 3       | CUVA4002    | Clinical Practice  |                 | All               |
| 4       | CUVA4003    | Safety Tips For Environmental Disaster                   |                 | All               |
| 5       | CUVA4004    | SPSS/R   |                 | All               |
| 6       | CUVA4005    | Human Behavior And Relations                             |                 | All               |
| 7       | CUVA4006    | Organic Farming  |                 | All               |
| 8       | CUVA4009    | Research Methodology and IPR                             |                 | All               |
| 9       | CUVA4010    | MS Excel Basics  |                 | All               |
| 10      | CUVA4011    | Virtual Etuquette  |                 | All               |
| 11      | CUVA4012    | Web development  |                 | All               |
| 12      | CUVA4013    | Ethical Hacking  |                 | All               |
| 13      | CUVA4014    | Tableau  |                 | All               |
| 14      | CUVA4015    | Constituion of India                                     |                 | All               |
| 15      | CUVA4016    | Video Making for YouTubers                               |                 | All               |
| 16      | CUVA4017    | Financial Modeling                                       |                 | All               |
| 17      | CUVA4018    | Steps for Career Plan                                    |                 | All               |
| 18      | CUVA4019    | Music/Dance  |                 | All               |
| 19      | CUVA4020    | Health and Life style                                    |                 | All               |
| 20      | CUVA4021    | Yoga and Meditation                                      |                 | All               |
| 21      | CUVA4022    | Garment design and tailoring                             |                 | All               |
| 22      | CUVA4023    | Technical writing  |                 | All               |
| 23      | CUVA4024    | Food Processing, Preservation and Nutrition              |                 | All               |
| 24      | CUVA4025    | Interior, Exterior Designing and Decoration              |                 | All               |
| 25      | CUVA4026    | Maintenance and Repair of Medical & Laboratory Equipment |                 | All               |
| 26      | CUVA4027    | Baking   |                 | All               |
| 27      | CUVA4028    | Gardening  |                 | All               |
| 28      | CUVA4029    | Waste to wealth  |                 | All               |
| 29      | CUVA4030    | Life Skills & Moral Value Education                      |                 | All               |
| 30      | CUVA4031    | Ethical Writing Practice                                 |                 | All               |
| 31      | CUVA4032    | Modelling using MSEcel                                   |                 | All               |
| 32      | CUVA4033    | Self-Management: Insights from Srimad Bhagavad Gita      |                 | All               |
| 33      | CUVA4034    | Value-Based Leadership: The Valmiki Ramayana Perspective |                 | All               |
| 34      | CUVA4035    | MATLab   |                 | All               |
| 35      | CUVA4036    | Entrepreneurship Development and Industrial Consultancy  |                 | All               |
| 36      | CUVA4037    | Financial Management and Cost Accounting                 |                 | All               |
| 37      | CUVA4038    | Financial Literacy                                       |                 | All               |



## 12<sup>th</sup> Board of Studies Meeting

### School of Applied Sciences

Academic year: 2023-24

Date: 7<sup>th</sup> September 2023.

Venue: Hall No. 6

#### Agenda:

1. Confirmation of Minutes of BoS Meeting held on 11<sup>th</sup> July 2022.
2. Discussion and approval on any revision required in the curriculum in the School of Applied Sciences.
3. Inclusion of Courses on Life Skill and Value Addition.
4. Any other points with due permission of the Chair.



Dean,

School of Applied Sciences.

**DEAN**  
**School of Applied Sciences**  
**CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT**  
**Bhubaneswar, Odisha**



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Applied Sciences

Date: 07<sup>th</sup> September 2023

MINUTES OF BOARD OF STUDIES MEETING held on 07.09.2023

Venue: Board Room (Hall No. 6)

Time: 11:00 A.M

The Board of Studies (BoS) meeting of School of Applied Sciences was held on 07.09.2023. at 11:00 A.M. in face to face mode. The following are the members:

1. Dr. Sangram Lenka, (Associate Professor., Gujarat Biotechnology Univeristy.)
2. Dr. Sagarika Parida (Associate Professor, Botany, SoAS)
3. Dr. Gyanranjan Mahalik (Associate Professor, Botany, SoAS)
4. Dr. Kalpita Bhattac (Assistant Professor, Botany, SoAS)
5. Dr. Bhagyashree Behera (Assistant Professor, Botany, SoAS)
6. Dr. Srimay Pradhan (Assistant Professor, Botany, SoAS)

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the ~~Head of the Department/~~ Dean presented the achievements and improvements of the department/school in the areas of academics, research, consultancy and infrastructure. The Head of the Department/ Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 11<sup>th</sup> July 2022 were confirmed.**

**Agenda 2: Discussion and approval on any revision required in the Curriculum of Botany**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24 (Annexure I attached).

List of new courses approved by the Board is provided in Annexure A

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

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

**Agenda 4: Any other item with due permission of the chair**

Members of BOS advised to include NET Domain subjects in the curriculum.

The Dean/Head of the Department extended sincere thanks to all members of the Board.

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

Pro Vice Chancellor

Dean, School of Applied Sciences.

DEAN  
School of Applied Sciences

### Annexure A

- As per the advice of external expert, Computational Biology and Data analysis course in M.Sc. Botany curriculum is introduced.
- As per the advice of BoS Members Biological Sciences NET Domain to be introduced. The following subjects need to be introduced in the upcoming semester:
  1. Molecules and their Interaction Relevant to Biology
  2. Cellular Organization
  3. Fundamental Processes
  4. Cell Communication and Cell Signalling
  5. Developmental Biology
  6. System Physiology – Plant
  7. System Physiology – Animal
  8. Inheritance Biology
  9. Diversity of Life Forms
  10. Ecological Principles
  11. Evolution and Behaviour
  12. Applied Biology
  13. Methods in Biology

## Annexure - I

**Feedback: Dr. Sangram Lenka, Gujarat Biotechnology University, Gandhinagar**

**Dt. 07. September 2023.**

Based on my continuous feedback, objectives and learning outcomes have been clearly mentioned. However, we need quantifiable parameters to measure whether those outcomes have been achieved or not.

My specific suggestions are as follows:

### **1. Introduction**

- a. About CUTM
  - b. CUTM Vision and Mission
  - c. Programme Mission and Overview
2. General Programme Outcomes
    - a. Writing and Communication Skills
    - b. Practical Skills
    - c. Critical Thinking Skills
    - d. Project Planning and Management
  3. Introduce an "Induction and Introduction week" to set the narrative and tone of the program.
  4. Include both formative and summative assessments (MCQ tests, project reports, proposal writing). Faculty feedback should be captured through a proper mechanism.
  5. Include narrative and teaching plans for each module and explain how you are implementing them in the classroom and define a module lead (Faculty/Labtech/Teaching Assistant).
  6. Prepare a comprehensive roadmap to implement an integrated curriculum for the university's BSc and MSc programs. I would suggest conducting a one-day workshop among the module leads to discuss the best way forward.
  7. Address the issue of deterring memory-based rote learning.
  8. Promote experiential active learning for module and clearly mention it.
  9. Emphasize student-centric teaching rather than teacher-centric.
  10. Introduce flipped classrooms, group discussions, presentations, etc. and mention these in the respective teaching plan.
  11. Follow a balanced Bloom's Taxonomy to create a well-rounded curriculum promoting interdisciplinary and intradisciplinary ideas.

*Sangram Lenka*

## ANNEXURE-B

## Value Added Courses\_2021

| Sl. No. | Course Code | Course title   | Credit (30 Hrs) | School/Department |
|---------|-------------|--|-----------------|-------------------|
| 1       | CUVA4000    | Society and Culture                                      |                 | All               |
| 2       | CUVA4001    | Quality Analysis   |                 | All               |
| 3       | CUVA4002    | Clinical Practice  |                 | All               |
| 4       | CUVA4003    | Safety Tips For Environmental Disaster                   |                 | All               |
| 5       | CUVA4004    | SPSS/R   |                 | All               |
| 6       | CUVA4005    | Human Behavior And Relations                             |                 | All               |
| 7       | CUVA4006    | Organic Farming  |                 | All               |
| 8       | CUVA4009    | Research Methodology and IPR                             |                 | All               |
| 9       | CUVA4010    | MS Excel Basics  |                 | All               |
| 10      | CUVA4011    | Virtual Etiquette  |                 | All               |
| 11      | CUVA4012    | Web development  |                 | All               |
| 12      | CUVA4013    | Ethical Hacking  |                 | All               |
| 13      | CUVA4014    | Tableau  |                 | All               |
| 14      | CUVA4015    | Constituion of India                                     |                 | All               |
| 15      | CUVA4016    | Video Making for YouTubers                               |                 | All               |
| 16      | CUVA4017    | Financial Modeling                                       |                 | All               |
| 17      | CUVA4018    | Steps for Career Plan                                    |                 | All               |
| 18      | CUVA4019    | Music/Dance  |                 | All               |
| 19      | CUVA4020    | Health and Life style                                    |                 | All               |
| 20      | CUVA4021    | Yoga and Meditation                                      |                 | All               |
| 21      | CUVA4022    | Garment design and tailoring                             |                 | All               |
| 22      | CUVA4023    | Technical writing  |                 | All               |
| 23      | CUVA4024    | Food Processing, Preservation and Nutrition              |                 | All               |
| 24      | CUVA4025    | Interior, Exterior Designing and Decoration              |                 | All               |
| 25      | CUVA4026    | Maintenance and Repair of Medical & Laboratory Equipment |                 | All               |
| 26      | CUVA4027    | Baking   |                 | All               |
| 27      | CUVA4028    | Gardening  |                 | All               |
| 28      | CUVA4029    | Waste to wealth  |                 | All               |
| 29      | CUVA4030    | Life Skills & Moral Value Education                      |                 | All               |
| 30      | CUVA4031    | Ethical Writing Practice                                 |                 | All               |
| 31      | CUVA4032    | Modelling using MExcel                                   |                 | All               |
| 32      | CUVA4033    | Self-Management: Insights from Srimad Bhagavad Gita      |                 | All               |
| 33      | CUVA4034    | Value-Based Leadership: The Valmiki Ramayana Perspective |                 | All               |
| 34      | CUVA4035    | MATLab   |                 | All               |
| 35      | CUVA4036    | Entrepreneurship Development and Industrial Consultancy  |                 | All               |
| 36      | CUVA4037    | Financial Management and Cost Accounting                 |                 | All               |
| 37      | CUVA4038    | Financial Literacy                                       |                 | All               |



**12<sup>th</sup> Board of Studies Meeting**  
**School of Engineering & Technology**

**Academic year: 2023-24**

**Date: 7<sup>th</sup> September 2023**

**Venue: Board Room (Bhubaneswar Campus)**

**Agenda:**

1. Confirmation of Minutes of BoS Meeting held on 8<sup>th</sup> July 2022.
2. Discussion and approval on any revision required in the curriculum in the School of Engineering & Technology.
3. Inclusion of courses on life Skill and Value Addition.
4. Any other points with due permission of the Chair.

*Syl*  
7/9/23

**Dean,**

**School of Engineering & Technology**



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Engineering and Technology**

**Department of Electrical and Electronics Engineering**

**Date: 07.09.2023**

**MINUTES OF BOARD OF STUDIES MEETING held on 7<sup>th</sup> September 2023**

Venue: Board Room

Time: 11 AM

The Board of Studies (BoS) meeting of the Department of Mechanical Engineering was held on 07.09.2023 at 11 AM in Board room CUTM, Bhubaneswar physical mode. The following are the members:

1. Dr. Prakash Kumar Hota, Professor and Dean, EE, VSSUT Burla
2. Mr. Prasanta Kumar Pradhan, Former Director, GRIDCO, Odisha
3. Prof. Jagannath Padhi, Director, CUTM, BBSR, Odisha
4. Dr. Sujata Chakraborty, Dean, SOET, BBSR
5. Dr. Ashish Ranjan Dash, Dean, SoET, PKD
6. Dr. Rajendra Kumar Khadanga, Associate Dean, SoET, BBSR
7. Dr. Sudhansu Kumar Samal, HoD, EEE, BBSR
8. Dr. Amit Kumar Sahoo, Associate Professor, EEE, BBSR
9. Mr. Rama Prasanna Dalai, Assistant Professor, EEE, BBSR

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, Dean SOET presented the detailed syllabus to the BOS members.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 08.07.2022 were confirmed.**

**Agenda 2: Discussion and approval of New Courses (Domain and Courses for Basket V) in the Curriculum of B.Tech, Electrical and Electronics Engineering syllabus.**

The Dean SoET and HOD, EEE gave a presentation on the new Domain i.e. Electric Vehicle Design and Basket V course i.e. Energy Audit and Demand Side Management to all BoS member present. Appreciation of Domain course design and also, asked for some hourly detailing of each module. Suggestions provided by Mr. P. K. Pradhan on the New Basket V course (Energy Audit and Demand

Side Management) is considered and Based on this, the Board accepted and approved the suggestions for course revision to be implemented from the Academic Year 2023-24.

- Discussion on modification of New Courses i.e. Energy Audit and Demand Side Management

The Board suggested no changes in respective Baskets.

**Agenda 3: Inclusion of courses on life skills, value-added and MOOC courses**

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

The HOD, Department of Mechanical Engineering extended sincere thanks to all members of the Board.

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



Pro Vice-Chancellor



Dean, School of Engineering & Technology

## List of Skill courses

| Sl. No | Course Title  | Credit | (T+P+P) |
|--------|---|--------|---------|
| 1      | 3D Game Art   | 4      | 0+3+1   |
| 2      | Drug Design using Biovia Discovery Studio   | 4      | 0+3+1   |
| 3      | Ophthalmic Lens and spectacle manufacturing Techniques                            | 4      | 0+3+1   |
| 4      | Medical Diagnostic Techniques   | 4      | 0+3+1   |
| 5      | Introduction to Aquaponics  | 4      | 0+3+1   |
| 6      | Polyhouse Automation  | 4      | 0+3+1   |
| 7      | Development of Processor (Shakti)   | 4      | 0+3+1   |
| 8      | Spectroscopy  | 4      | 0+3+1   |
| 9      | Extraction Technologies   | 4      | 0+3+1   |
| 10     | Gamified DIY kits using Lasers  | 4      | 0+3+1   |
| 11     | VR Assets Development   | 4      | 0+3+1   |
| 12     | GIS and Remote Sensing: Applications in Participatory Natural Resource Management | 4      | 0+3+1   |
| 13     | GIS and Remote Sensing: Application Development                                   | 4      | 0+3+1   |
| 14     | 3D Modelling and Printing   | 4      | 0+3+1   |
| 15     | Brew Master   | 4      | 0+3+1   |
| 16     | 3D Game Art   | 4      | 0+3+1   |
| 17     | Drug Design using Biovia Discovery Studio   | 4      | 0+3+1   |
| 18     | Ophthalmic Lens and spectacle manufacturing Techniques                            | 4      | 0+3+1   |
| 19     | Medical Diagnostic Techniques   | 4      | 0+3+1   |
| 20     | Introduction to Aquaponics  | 4      | 0+3+1   |
| 21     | Polyhouse Automation  | 4      | 0+3+1   |
| 22     | Development of Processor (Shakti)   | 4      | 0+3+1   |
| 23     | Spectroscopy  | 4      | 0+3+1   |
| 24     | Extraction Technologies   | 4      | 0+3+1   |
| 25     | Gamified DIY kits using Lasers  | 4      | 0+3+1   |
| 26     | VR Assets Development   | 4      | 0+3+1   |
| 27     | GIS and Remote Sensing: Applications in Participatory Natural Resource Management | 4      | 0+3+1   |

|    |   |   |       |
|----|---|---|-------|
| 28 | GIS and Remote Sensing: Application Development | 4 | 0+3+1 |
| 29 | 3D Modelling and Printing                       | 4 | 0+3+1 |
| 30 | Brew Master                                     | 4 | 0+3+1 |

List of value-added courses

| Sl. No | Course Title                          | Hrs. of input |
|--------|---------------------------------------|---------------|
| 1      | Ethical Hacking                       | 30            |
| 2      | Clinical Practice                     | 30            |
| 3      | Financial Literacy                    | 30            |
| 4      | MATLAB                                | 30            |
| 5      | MS Excel Basics                       | 30            |
| 6      | Pharmaceutical Dry-Lab Techniques     | 30            |
| 7      | Research Methodology and IPR          | 30            |
| 8      | Steps for Career Plan                 | 30            |
| 9      | TABLEAU                               | 30            |
| 10     | Technical Writing                     | 30            |
| 11     | Waste to Wealth                       | 30            |
| 12     | Web Development                       | 30            |
| 13     | Yoga and Meditation                   | 30            |
| 14     | Health and Lifestyle                  | 30            |
| 15     | Life Skills and Moral Value Education | 30            |
| 16     | Ansys                                 | 30            |
| 17     | Video Making for Youtubers            | 30            |



# CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

## School of Engineering and Technology

### Department: Electrical and Electronics Engineering

Time: 10:30 a.m.

Date: 07.09.2023

Venue: Boardroom (Aryabhata Building)

### Board of Studies Meeting

### Attendance Sheet

| Sl. No. | Name of the BoS Member (Internal Faculty and External Resource) | Signature |
|---------|---|-----------|
| 1       | Prof. Ashish Ranjan Dash  |           |
| 2       | Prof. Sujata Chakrabarty  |           |
| 3       | Prof. Sudhansu Kumar Samal                                      |           |
| 4       | Prof. Rajendra Kumar Khadanga                                   |           |
| 5       | Prof. Jagannath Padhi   |           |
| 6       | Prof. Amit Kumar Sahoo  |           |
| 7       | Prof. Rama Prasanna Dalai                                       |           |
| 8       | Dr. Prakash Kumar Hota  |           |
| 9       | Mr. P. K. Pradhan   |           |
|         |   |           |
|         |   |           |

Dean, School of Engineering and Technology



**Board of Studies Meeting**  
**School of Agricultural and Bio-Engineering**  
**Department of Phytopharmaceuticals**

**Academic year:** 2023-24

**Date:** 08-09-2023, 10:30 am to 1:00 pm

**Venue:** Board Room, Aryabhata Building, CUTM, Jatni, 752050

**Agenda:**

*Agenda 1:* Confirmation of the minutes of the last meeting of the BoS held on Jul 8, 2022 10:00 AM

*Agenda 2:* Discussion and approval on any revision required in the Curriculum of B.Tech (Phytopharmaceuticals) as per the feedbacks received from stakeholders

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

*Agenda 4:* Any other item with due permission of the chair

*Gitanjali*  
12/09/2023

**Dean, SoABE**

DEAN

School of Agricultural & Bio-Engineering  
CUTM, Paralakhemundi  
Dist- Gajapati, Pin-761211



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Agricultural and Bio-Engineering**

**Department of Phytopharmaceuticals**

**Date: 08-09-2023**

**MINUTES OF BOARD OF STUDIES MEETING held on 08-09-2023**

Venue: Board Room, Aryabhata Building, CUTM, Jatni, 752050

Time: 10:30 am to 1:00 pm

The Board of Studies (BoS) meeting of School of Agricultural and Bio-Engineering was held on 08-09-2023 at 10:30 am to 1:00 pm in Physical mode. The following are the members:

1. Dr. U V Babu, Head-Phytochemistry-R&D, The Himalaya Drug Company, Bangalore
2. Mr. Amitesh Roy, Corporate Advisor
3. Prof Susanta Kumar Sahu, Reader, UDPS, Utkal University, Bhubaneswar, Odisha

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Head of the Department, Dean presented the achievements and improvements of the department in the areas of academics, research, consultancy and infrastructure. The Head of the Department, Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on Jul 8, 2022 10:00 AM were confirmed.**

**Agenda 2: Discussion and approval on any revision required in the Curriculum of B.Tech (Phytopharmaceuticals)**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

- As per the feedback received from faculty expert, industry expert, and alumni the B.Tech Phytopharmaceuticals syllabus is up-to-date and require no further modifications.
- As per the student's feedback the basket IV A Course Manufacturing Process, Process Planning and Heat Treatment (CUTM1079) needs to be renamed as Manufacturing Process (CUTM1604).
- The Board of Study members recommended and approved the syllabus for B. Tech. Phytopharmaceuticals to be taught in upcoming semesters. List of new courses approved by the Board is as follows.
  - Basket IV A Course Manufacturing Process, Process Planning and Heat Treatment (CUTM1079) renamed as Manufacturing Process (CUTM1604).

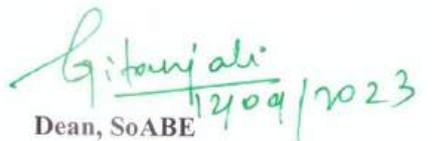
**Agenda 3: Inclusion of courses on life skills and value addition**

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

The Head of the Department extended sincere thanks to all members of the Board.

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

  
Pro Vice Chancellor

  
Dean, SoABE  
DEAN  
School of Agricultural & Bio-Engineering  
CUTM, Paralakhemundi  
Dist- Gajapati, Pin-761211



## Board of Studies Meeting

### School of Fisheries

**Academic year:** 2023-2024

**Date:** 08.09.2023

**Venue:** Centurion University Campus, Bhubaneswar

#### Agenda:

1. Merger of 2 courses FSAQ-1101 (Principles of Aquaculture) 2(1+1) and FSAQ-1202 (Freshwater Aquaculture) 3(2+1).
2. The new course will have the course title of "Freshwater Aquaculture"(FSAQ 1202) with Credit Load of 3(2+1)
3. Merger of 2 courses FSRM -2109 (Aquatic Mammals, Reptiles and Amphibians 1(1+ 0) and FSRM-1101 (Taxonomy of Fin Fish) with credit load of 3(1+2)
4. The new course will have the title of Taxonomy of Fin Fish (FSRM-1101) with credit load of 3(1+2)
5. Editing the Course Content of
  - a) Freshwater Aquaculture FSAQ-1202
  - b) Taxonomy of Finfish FSRM-1101
6. Inclusion of courses on life skills development and value addition.

*Unnava*

**Dean, School of Fisheries**

School of Fisheries  
CUTM, Paralakhemundi  
Dt-Gajapati, Odisha. Pin-751211



## CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

### School of Fisheries

Date: 08.09.2023

#### MINUTES OF BOARD OF STUDIES MEETING held on 08.09.2023

Venue: Centurion University, Bhubaneswar Campus

Time: 10:30 am

The Board of Studies (BoS) meeting of School of Fisheries was held on 08.09.2023 at Centurion University Campus, Bhubaneswar in physical mode. The following are the members:

1. Prof. Saumyendra Nanda, Dean (Retd.), College of Fisheries, OUAT
2. Prof. K.S.Krishna Prasad, Dean, SoF
3. Dr. S.P.Nanda, Dean(Admin), SoF
4. Dr.Sambid Swain, Associate Dean, School of Fisheries, CUTM
5. Dr.J.P.Sahu, Professor, School of Fisheries, CUTM
6. Dr.J.K.Sahoo, Professor, School of fisheries, CUTM
7. Dr.G. Vidya Sagar Reddy, Professor, School of fisheries, CUTM
8. Dr.Srinu R, Associate Professor, School of fisheries, CUTM

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, Dean presented the achievements and improvements of the school in the areas of academics, research, consultancy and infrastructure. The Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 08.07.2022 were confirmed.**

**Agenda 2: Discussion and approval on any revision required in the Curriculum of Bachelor of Fisheries Science, School of Fisheries**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

**A. Merger of Courses:**

1. Principles of Aquaculture (FSAQ 1101) will be merged with Freshwater Aquaculture (FSAQ 1202). The new course will have the same course title and credit load as Freshwater Aquaculture (FSAQ 1202) and 3(2+1) respectively.
2. Aquatic Mammals Reptiles and Amphibian (FSRM 2109) will be merged with Taxonomy of Finfish (FSRM 1101). The new course will have the same course title and credit load as Taxonomy of Finfish (FSRM 1101) and 3(1+2) respectively.

## B. Change in Syllabus

### 1. Freshwater Aquaculture

FSAQ 1202

3(2+1)

#### Theory

**Basics of aquaculture, definition and scope. History of aquaculture: Present global and national scenario. Aquaculture vs Agriculture. Systems of aquaculture - pond culture, pen culture, cage culture, running water culture and zero water exchange system., Extensive, semi-intensive, intensive and super intensive aquaculture in different types of water bodies viz., freshwater, brackish water inland saline and marine water.**

Major species cultured, production trends and prospect in different parts of the world. Freshwater aquaculture resources-ponds, tanks, lakes, reservoirs etc. Nursery, rearing and growout ponds preparation and management-control of aquatic weeds and algal blooms, predatory and weed fishes, liming, fertilization/manuring, use of biofertilizers, supplementary feeding. Water quality management. Selection, transportation and acclimatization of seed. Traits of important cultivable fish and shellfish and their culture methods-Indian major carps, exotic carps, air breathing fishes, cold water fishes, freshwater prawns, mussels. Wintering ponds, quarantine ponds and isolation ponds. Sewage-fed fish culture. Principles of organic cycling and detritus food chain. Use of agro- industrial waste and biofertilizer in aquaculture. Composite fish culture system of Indian and exotic carps- competition and compatibility. Exotic fish species introduced to India. Culture of other freshwater species. Medium and minor carps, catfish and murels. Species of fish suitable for integrated aquaculture. Integration of aquaculture with agriculture/ horticulture. Integration of aquaculture with livestock. Cultivation of aquatic macrophytes with aquaculture (makahana). Paddy cum Fish/Shrimp Culture.

#### Practicals

Preparation and management of nursery, rearing and grow-out ponds. Study on effect of liming, manuring and fertilization on hydrobiology of ponds and growth of fish and shellfishes. Collection, identification and control of aquatic weeds, insects, predatory fishes, weed fishes and eggs and larval forms of fishes. Algal blooms and their control. Estimation of plankton and benthic biomass. Study of contribution of natural and supplementary feed to growth. Workout of economics of different culture practices.

Estimation of live stock requirement / Unit in integrated aquaculture Design of paddy plot for paddy- cum-fish culture. Design of Fish and Shrimp Culture, livestock shed on pond embankment, Economics of different integrated farming systems.

### 2. Taxonomy of Finfish

FSRM 1101

3(1+2)

#### Theory

Principles of taxonomy. Nomenclature, types. Classification and interrelationships. Criteria for generic and specific identification. Morphological, morphometric and meristic characteristics of taxonomic significance. Major taxa of inland and marine fishes up to family level. Commercially important freshwater and marine fishes of India and their morphological characteristics. Introduction to modern taxonomic tools: karyotaxonomy, DNA barcoding, protein analysis and DNA polymorphism. **Selected aquatic mammal, reptile, amphibian and birds species of India relevant to fisheries**

### 3. Practical

Collection and identification of commercially important inland and marine fishes. Study of their external morphology and diagnostic features. Modern taxonomic tools - Protein analysis and electrophoretic studies; Karyotaxonomy - chromosome preparation and identification. DNA barcoding, DNA polymorphism; Visit to fish landing centres to study commercially important fishes and catch composition.

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

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

The Dean of School of Fisheries extended sincere thanks to all members of the Board.

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

  
Pro Vice Chancellor

  
Dean, School of Fisheries  
Dean  
School of Fisheries  
CUTM, Paralakhemundi  
Dt-Gajapati, Odisha. Pin-761211



## Board of Studies Meeting 2023

### School of Veterinary and Animal Sciences

Academic year: 2023-24

Date: 8<sup>th</sup> September 2023

Venue: Board room, CUTM Campus, BBSR

#### Agenda:

1. Discussion and approval of course structure and syllabus of B.V.Sc. & A.H. programme of School of Veterinary and Animal Sciences, CUTM, Paralakhemundi.
2. Inclusion of courses on life skills development and value addition.

  
08.9.2023  
Dean

School of Veterinary and Animal Sciences

**DEAN**  
**School of Veterinary and**  
**Animal Sciences**  
**CUTM, Paralakhemundi**



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Veterinary and Animal Sciences**

**Date: 08/09/2023**

**MINUTES OF BOARD OF STUDIES MEETING held on 08<sup>th</sup> September 2023**

Venue: Board room, CUTM Campus, BBSR

Time: 10.30 am

The Board of Studies (BoS) meeting of School of Veterinary & Animal Sciences, CUTM was held on 08/09/2023 at 10.30 am in physical mode. The following are the members:

1. Dr. Susen Kumar Panda, Dean, College of Veterinary Science & A.H., OUAT, BBSR
2. Dr. Chandrakant Beura, Principal Scientist, ICAR-DPR, Regional Station, BBSR
3. Dr. Rajakishora Swain, Dean SOVAS, CUTM, Parlakhemundi campus
4. Dr. Niranjan Barik, Prof & Head, LFC, SOVAS, CUTM, Parlakhemundi Campus
5. Dr. V.Girish Kumar Mohanty, VEO, SOVAS, CUTM, Parlakhemundi Campus
6. Dr. T.P.Balagopalan, Prof. & Head, VCC, CUTM, Parlakhemundi Campus
7. Dr. V.Girish Kumar, Prof. & Head, Department of Veterinary Physiology & Biochemistry
8. Dr.Chitaranjan Pradhan, Prof. & Head, Department of LPM
9. Dr.K.Balasundaram, Prof. & Head, Department of Veterinary Anatomy
10. Dr.P.C.Bisoyi, Professor, Department of Veterinary Biochemistry
11. Dr.Jagadeeswara Rao, Professor, Department of LPM
12. Dr.S.P.Nanda, Dean (Admin)

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Dean presented the establishment, achievement, and improvements of the 1<sup>st</sup> and 2<sup>nd</sup> year departments in the areas of academics, research, consultancy and infrastructure facilities for lab, Livestock farm, VCC and other structures as per VCI norms. The Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 08/09/2023 were confirmed.**  
(Regarding establishment of SoVAS, VCI inspection and guidelines for curriculum and LOP)

**Agenda 2: Discussion and approval on any revision required in the Curriculum of B.V.Sc. &A.H.**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved the course structure and syllabi for B.V.Sc. &A.H. degree programmes as prescribed by Veterinary Council of India Minimum Standard of Veterinary Education- 2016 *in toto*.

In addition, it was also recommended to include the following courses on entrepreneurship and skill development to be implemented from the Academic Year 2023-24.

1. Dairy, Poultry, Sheep, and goat farming
2. Value- addition of Animal products
3. Pet animal nutrition and management
4. Ethno-veterinary practices in animal health management

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

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

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

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

  
Pro Vice Chancellor

  
Dean, School of Veterinary & Animal Sciences

**DEAN**  
**School of Veterinary and**  
**Animal Sciences**  
**CUTM, Paralakhemundi**



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Management**

**Date: 7<sup>th</sup> September 2023.**

**12<sup>th</sup> Board of Study Meeting**

**Academic Year 2023-24**

**7<sup>th</sup> September 2023**

**Venue: Board Room, Aryabhata Building, Bhubaneswar**

**Agenda**

- Conformation of minutes of BoS Meeting held on 8<sup>th</sup> July 2023
- Discussion and approval on the introduction of 4 years Bachelor of Business Administration as per NEP 2020
- Discussion and approval of the introduction of 4 years Bachelor of Commerce as per NEP 2020
- Discussion and approval on any revision required in the curriculum of MBA Program
- Any other points with due permission of the chair

  
Dean

**School of Management**



**Centurion**  
**UNIVERSITY**

*Shiksha Samam*  
*Empowering communities*

**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Management**

**Date:** 7<sup>th</sup> September 2023.

**MINUTES OF BOARD OF STUDIES MEETING held on 7<sup>th</sup> September 2023.**

Venue: SOM ,Deans Office, Kautalya Building

Time: 10:30

The Board of Studies (BoS) meeting of the School of Management was held on 7<sup>th</sup> September 2023 at 10 AM. in physical mode. The following are the members:

1. Prof. Govindrajan Srinivas, Director, Vertical Limited Education, External Expert
2. Prof. TK Pani, Professor of Commerce & Business Studies, Ravenshaw University, External Expert
3. Mr. Abdul Moshawir, DGM, ICICI BANK, Bhubaneswar, External Expert
4. Prof. Prasanta Kumar Mohanty, VC, Centurion University, Vijaya Nagaram, AP
5. Prof. J. Anil Kumar, Associate Dean, ABM, Paralakhemundi Campus
6. Prof. Chinmaya Kumar Dash, Dean, School of Management
7. Prof. Parle Kalyan Chakrabarty, PGP Co-ordinator SoM, Paralakhemundi Campus
8. Prof. Susanta Kumar Mishra, Professor, SoM, Bhubaneswar Campus
9. Prof. Prajna Pani, Professor, SoM, Paralakhemundi Campus
10. Prof. Anusman Jena, Associate Professor, SoM, Bhubaneswar Campus
11. Prof. Girija Nandini, Associate Professor, SoM, Bhubaneswar Campus
12. Prof. Pramod K. Pathoshi, Associate Professor, SoM, Bhubaneswar Campus
13. Prof. Deepti Mishra, Assistant Professor, SoM, Bhubaneswar Campus

The Vice-Chancellor welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Dean, School of presented the achievements and improvements of the department/school in the areas of academics, research, consultancy, and infrastructure. The Dean also gave a presentation on the feedback received on the curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 08/07/2022 were confirmed.**

**Agenda 2: Discussion and approval of the introduction of 4 years Bachelor of Business Administration as per NEP 2020**

- The new curriculum of Bachelor of Business Administration as per NEP 2020 was presented based on the feedback and suggestions made by the various stakeholders.

Board discussed the curriculum thoroughly and approved the curriculum for the academic year 2023-24.

The structure of 4 years Bachelor of Business Administration program (Programme structure and Semester wise offer of courses-indicative only and Major Core courses) approved by the Board is provided in Annexure A

**Agenda 3: Discussion and approval of the introduction of 4 years Bachelor of Commerce as per NEP 2020**

- The new curriculum of Bachelor of Commerce as per NEP 2020 was presented based on the feedback and suggestions made by the various stakeholders. Board discussed the curriculum thoroughly and approved the curriculum for the academic year 2023-24.

The structure of 4 years Bachelor of Commerce program (Programme structure and Semester wise offer of courses-indicative only and Major Core courses) approved by the Board is provided in Annexure B.

**Agenda 4: 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 curriculum thoroughly and approved to make few changes for the MBA – Agribusiness Management as per ICAR requirements for the academic year Year 2023-24.

List of new courses approved by the Board is provided in Annexure C.

**Agenda 5: 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 curriculum thoroughly and approved the existing syllabus without changes for the academic year 2023-24. Learning from Production Lab skill course was added to the existing syllabus.

**Agenda 7: Inclusion of Course Learning from Production Lab**

Course Learning from Production Lab as a skill course (0+2+2) was presented to be offered by the University in the areas of Action Learning for the overall improvement and well being of students. The same was agreed upon and approved by the Board members. The course will offer for all UG & PG programs of the School of Management for MBA program (2022 batch and onwards) and BBA (2021 batch onwards) and for B.Com (2022 batch onwards) .

## Annexure A

### Programme structure

| Basket       | Type of Course   | Minimum Credit Requirement |                   |            |                   |
|--------------|--|----------------------------|-------------------|------------|-------------------|
|              |  | 4 years UG                 |                   | 3 years UG |                   |
|              |  | Credit                     | Approx. Weightage | Credit     | Approx. Weightage |
| I            | Major (Core) Courses   | 84                         | 53%               | 72         | 55%               |
| II           | Minor (Domain), Multi-Disciplinary and Skill Courses         | 44                         | 28%               | 38         | 29%               |
| III          | Ability Enhancement Courses                                  | 6                          | 4%                | 6          | 5%                |
| IV           | Value Added Courses  | 10                         | 6%                | 10         | 8%                |
| V            | Summer Internship / Community Engagement                     | 4                          | 3%                | 4          | 3%                |
| VI           | Research Project / Dissertation / Production Action Learning | 12                         | 8%                | 0          | 0                 |
| <b>TOTAL</b> |  | <b>160</b>                 | <b>100%</b>       | <b>130</b> | <b>100%</b>       |

### Semester wise offer of courses (indicative only)

| Semester   | Major (Core) Courses | Domain (Minor), Multi-Disciplinary and Skill Courses | Ability Enhancement Courses | Value Added Courses | Summer Internship / Community Engagement | Research Project / Dissertation / Production Action Learning |
|--|----------------------|--|-----------------------------|---------------------|--|--|
|  | 84                   | 44   | 6                           | 10                  | 4  | 12   |
| I  | √                    | √  | √                           | √                   | 0  | 0  |
| II   | √                    | √  | √                           | √                   | 0  | 0  |
| EXIT: Undergraduate Certificate: 40 credits with one 4 credit Skill Enhancement Course or Summer Internship  |                      |  |                             |                     |  |  |
| III  | √                    | √  | √                           | √                   | √  | 0  |
| IV   | √                    | √  | √                           | √                   | √  | 0  |
| EXIT: Undergraduate Diploma: 80 credits with one 4 credit Skill Enhancement Course or Summer Internship  |                      |  |                             |                     |  |  |
| V  | √                    | √  | √                           | √                   | √  | 0  |
| VI   | √                    | √  | √                           | √                   | √  | 0  |
| EXIT   |                      |  |                             |                     |  |  |
| <ul style="list-style-type: none"> <li>• Bachelor Degree: 120 credits</li> <li>• Bachelor Degree (with Single Major): 120 credits with Minimum 60 (50%) credits from major discipline</li> <li>• Bachelor Degree (with Double Major): 120 credits with Minimum 48 (40%) credits from the second major</li> </ul> |                      |  |                             |                     |  |  |
| VI I   | √                    | √  | 0                           | 0                   | 0  | √  |
| VI II  | √                    | √  | 0                           | 0                   | 0  | √  |
| EXIT   |                      |  |                             |                     |  |  |

- Bachelor Degree (Honours): 160 credits with minimum 80 (50%) credits from major/core discipline
- Bachelor Degree (Honours with Research): 75% marks in the first six semesters with 160 credits including 12 credits research project in major discipline
- Bachelor Degree (with Double Major): 160 credits with Minimum 64 (40%) credits from the second major

*Note: Honours students not undertaking research will take other courses worth 12 credits in lieu of a research project / dissertation*

#### Major Core courses of BBA

| Sl. No. | Course Code | Course Title                           | Credit | Type (T+P+Pj) |
|---------|-------------|--|--------|---------------|
| 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      | CUTM1234    | Sales and Distribution Management      | 6      | 2+2+2         |

Annexure B

Programme structure

| Basket       | Type of Course   | Minimum Credit Requirement |                   |            |                   |
|--------------|--|----------------------------|-------------------|------------|-------------------|
|              |  | 4 years UG                 |                   | 3 years UG |                   |
|              |  | Credit                     | Approx. Weightage | Credit     | Approx. Weightage |
| I            | Major (Core) Courses   | 84                         | 53%               | 72         | 55%               |
| II           | Minor (Domain), Multi-Disciplinary and Skill Courses         | 44                         | 28%               | 38         | 29%               |
| III          | Ability Enhancement Courses                                  | 6                          | 4%                | 6          | 5%                |
| IV           | Value Added Courses  | 10                         | 6%                | 10         | 8%                |
| V            | Summer Internship / Community Engagement                     | 4                          | 3%                | 4          | 3%                |
| VI           | Research Project / Dissertation / Production Action Learning | 12                         | 8%                | 0          | 0                 |
| <b>TOTAL</b> |  | <b>160</b>                 | <b>100%</b>       | <b>130</b> | <b>100%</b>       |

Semester wise offer of courses (indicative only)

| Semester   | Major (Core) Courses | Domain (Minor), Multi-Disciplinary and Skill Courses | Ability Enhancement Courses | Value Added Courses | Summer Internship / Community Engagement | Research Project / Dissertation / Production Action Learning |
|--|----------------------|--|-----------------------------|---------------------|--|--|
|  | 84                   | 44   | 6                           | 10                  | 4  | 12   |
| I  | √                    | √  | √                           | √                   | 0  | 0  |
| II   | √                    | √  | √                           | √                   | 0  | 0  |
| EXIT: Undergraduate Certificate: 40 credits with one 4 credit Skill Enhancement Course or Summer Internship  |                      |  |                             |                     |  |  |
| III  | √                    | √  | √                           | √                   | √  | 0  |
| IV   | √                    | √  | √                           | √                   | √  | 0  |
| EXIT: Undergraduate Diploma: 80 credits with one 4 credit Skill Enhancement Course or Summer Internship  |                      |  |                             |                     |  |  |
| V  | √                    | √  | √                           | √                   | √  | 0  |
| VI   | √                    | √  | √                           | √                   | √  | 0  |
| EXIT   |                      |  |                             |                     |  |  |
| <ul style="list-style-type: none"> <li>Bachelor Degree: 120 credits</li> <li>Bachelor Degree (with Single Major): 120 credits with Minimum 60 (50%) credits from major discipline</li> <li>Bachelor Degree (with Double Major): 120 credits with Minimum 48 (40%) credits from the second major</li> </ul> |                      |  |                             |                     |  |  |
| VI I   | √                    | √  | 0                           | 0                   | 0  | √  |
| VI II  | √                    | √  | 0                           | 0                   | 0  | √  |

**EXIT**

- Bachelor Degree (Honours): 160 credits with minimum 80 (50%) credits from major/core discipline
- Bachelor Degree (Honours with Research): 75% marks in the first six semesters with 160 credits including 12 credits research project in major discipline
- Bachelor Degree (with Double Major): 160 credits with Minimum 64 (40%) credits from the second major

Note: *Honours students not undertaking research will take other courses worth 12 credits in lieu of a research project / dissertation*

**Major Core courses of B.Com**

| Sl. No. | Course Code | Course Title                               | Credit | Type (T+P+Pj) |
|---------|-------------|--|--------|---------------|
| 1       | CUTM1942    | Financial Accounting                       | 6      | 4+0+2         |
| 2       | CUTM1943    | Business Laws                              | 6      | 4+0+2         |
| 3       | CUTM1944    | Business Statistics                        | 4      | 2+0+2         |
| 4       | CUTM1945    | Corporate Accounting                       | 6      | 4+0+2         |
| 5       | CUTM1946    | Corporate Law                              | 6      | 4+0+2         |
| 6       | CUTM1947    | Business Organisation and Management       | 4      | 3+0+1         |
| 7       | CUTM1948    | Business Economics                         | 6      | 4+0+2         |
| 8       | CUTM1949    | Income-tax Law and Practice                | 6      | 4+0+2         |
| 9       | CUTM1950    | Cost Accounting                            | 6      | 4+0+2         |
| 10      | CUTM1951    | Business Mathematics                       | 6      | 4+0+2         |
| 11      | CUTM1215    | Principles of Marketing                    | 6      | 4+0+2         |
| 12      | CUTM1219    | Financial Management                       | 6      | 4+0+2         |
| 13      | CUTM1218    | Human Resource Management                  | 6      | 4+0+2         |
| 14      | CUTM1952    | Goods & Services Tax (GST) and Customs Law | 6      | 4+0+2         |
| 15      | CUFM2350    | Advanced Managerial Accounting             | 4      | 3+0+1         |

Annexure C

| <b>A) New Courses to be Added</b> |  |             |                  |                |
|-----------------------------------|--|-------------|------------------|----------------|
| S No                              | Course Title   | Course Type | Proposed Credits | Proposed T-P-P |
| 1                                 | Agricultural and Food Marketing Management- I                            | NEW         | 2                | 1-0-1          |
| 2                                 | Technical Writing and Communication Skills                               | NEW         | 1                | 0-0-1          |
|                                   | Library and Information Services   | NEW         | 1                | 0-0-1          |
| 4                                 | Agricultural and Food Marketing Management- II                           | NEW         | 2                | 1-0-1          |
| 5                                 | International Trade in Agricultural Products                             | NEW         | 2                | 1-0-1          |
| 6                                 | Agricultural Research, Research Ethics, and Rural Development Programmes | NEW         | 1                | 0-0-1          |
| 7                                 | Risk Management in Agri Business   | NEW         | 2                | 0-0-2          |
| 8                                 | Intellectual Property and Its Management in Agriculture                  | NEW         | 1                | 0-0-1          |
| 9                                 | Disaster Management  | NEW         | 1                | 0-0-1          |
| 10                                | Operations Research  | NEW         | 2                | 1-0-1          |
| 11                                | Agribusiness Environment and Policy                                      | NEW         | 2                | 1-0-1          |
| 12                                | Agri Business Laws and Ethics  | NEW         | 2                | 1-0-1          |

| <b>b) Credit Change for Existing Courses</b> |   |             |   |                  |                |
|--|---|-------------|---|------------------|----------------|
| S No   | Course Title  | Course Type | Mapped to existing course                               | Proposed Credits | Proposed T-P-P |
| 1  | Principles of Management and Organisational Behaviour | Existing    | Principles of Management (CUTM1189)-2 Credits           | 3                | 2-0-1          |
| 2  | Project Management and Agri Business Entrepreneurship | Existing    | Agri-Business Entrepreneurship (CUDM2376): 2 Credits    | 3                | 1-1-1          |
| 3  | Computer Applications for Agri Business               | Existing    | Computer Applications in Business (CUTM1686): 6 Credits | 3                | 1-1-1          |
| 4  | Master's Seminar                                      | Existing    | Seminar/Assignment (CUTM1594): 4 Credits                | 1                | 0-0-1          |
| 5  | Project Work  | Existing    | Project (CUTM1658): 12 Credits                          | 10               | 0-0-10         |

The Dean of the school of Management extended sincere thanks to all members of the Board of Study

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

  
Pro Vice Chancellor

  
Dean, School of Management



# CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

School of Management

Department: Management

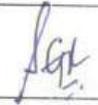
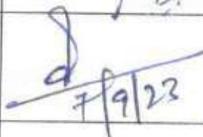
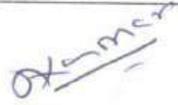
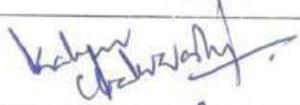
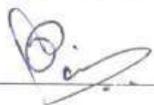
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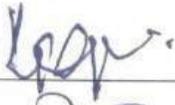
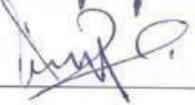
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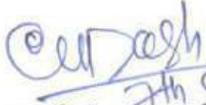
Venue:

Board of Studies Meeting

Attendance Sheet

| Sl. No. | Name of the BoS Member (Internal Faculty and External Resource)                                | Signature   |
|---------|--|---|
| 1       | Prof. Govindrajan Srinivas, Director, Vertical Limited Education, External Expert              |  7/9/23 |
| 2.      | Prof. TK Pani, Professor of Commerce & Business Studies, Ravenshaw University, External Expert |  7/9/23 |
| 3.      | Mr. Abdul Moshawir, DGM, ICICI BANK, Bhubaneswar, External Expert                              | Present   |
| 4.      | Prof. Prasanta Kumar Mohanty, VC, Centurion University, Vijaya Nagaram, AP                     |         |
| 5       | Prof.J.Anil Kumar, Associate Dean, ABM, Paralakhemundi Campus                                  |         |
| 6.      | Prof. Chinmaya Kumar Dash, Dean, School of Management  |         |
| 7       | Prof. Parle Kalyan Chakrabarty, PGP Co-ordinator SoM, Paralakhemundi Campus                    |         |
| 8       | Prof. Susanta Kumar Mishra, Professor, SoM, Bhubaneswar Campus                                 |         |
| 9       | Prof. Prajna Pani, Professor, SoM, Paralakhemundi Campus                                       |         |

|    |  |  |
|----|--|--|
| 10 | Prof. Anusman Jena, Associate Professor, SoM, Bhubaneswar Campus       |  |
| 11 | Prof. Girija Nandini, Associate Professor, SoM, Bhubaneswar Campus     | ABSENT.  |
| 12 | Prof. Pramod K. Pathoshi, Associate Professor, SoM, Bhubaneswar Campus |  |
| 13 | Prof. Deepti Mishra, Assistant Professor, SoM, Bhubaneswar Campus      |  |

  
7th Sept. 2023  
Dean, School of Management



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Paramedics and Allied Health Sciences**

**Date: 8<sup>th</sup> September 2023**

**MINUTES OF BOARD OF STUDIES MEETING held on 8<sup>th</sup> September 2023**

Venue: Board room (Bhubaneswar Campus)

Time: 10:30 AM

The Board of Studies (BoS) meeting of School of Paramedics and Allied Health Sciences was held on 8<sup>th</sup> September 2023 at Board room (Bhubaneswar campus) in offline mode. The following are the members:

1. Dr. Alok Srivastava (COO, Apollo Hospitals, Bhubaneswar)
2. Dr. Debasish Sahoo (Director, Central Lab, SUM Hospital, Bhubaneswar)
3. Dr. Prassana Mohanty (Medical Director, Lions Eye Hospital, Bhubaneswar)
4. Prof. Sunil Kumar Jha
5. Dr. Soumya Jal
6. Dr. Monali Priyadarsini Mishra
7. Dr. Datta Sai P
8. Ms. Sashi Saroj Tiwari
9. Dr. Upasana Bandyopadhyay
10. Ms. Deepika Ahuja
11. Ms. Salony Sreeya Pattnaik
12. Dr. Ajay Kumar Meher
13. Ms. N Lincy Priyadarshini

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Dean presented the achievements and improvements of the school in the areas of academics, research, consultancy and infrastructure. The Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 8<sup>th</sup> July 2022 were confirmed.**

**Agenda 2: Discussion and approval on revision required in the Curriculum of Bachelor of Physiotherapy, BSc MRT, BSc AT, BSc OTT, BSc EMT**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

Modifications were made in the curriculum of Bachelor of Physiotherapy, BSc MRT, BSc AT, BSc OTT, BSc EMT.

Eligibility for DCHP: +2 or class 12 education in any stream with a pre-requisite that the candidate should complete 6 months Certified Ward Technician Course from Allied Medical Council to get enrolled into DCHP.

List of new courses approved by the Board is provided in Annexure A

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

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

**Agenda 4: Any other item with due permission of the chair**

Following regulations with respect to eligibility of the degree of Diploma in Community Health Practice were discussed:

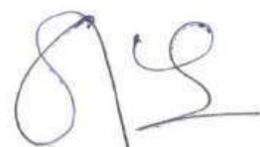
Duration: Two years (4semesters) full-time programme with 6 months internship

Eligibility: Higher Secondary (Class 12 or Plus Two) with any stream is a must.  
A candidate who has completed 6 months Certified Ward Technician Course from Allied Medical Council (School of Allied Health Sciences), can be admitted to DCHP course.

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

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

  
Pro Vice Chancellor

  
Dean, School of Paramedics and Allied Health Sciences



## 8<sup>th</sup> Board of Studies Meeting

### School of Paramedics and Allied Health Sciences

Academic year: 2023-24

Date: 8<sup>th</sup> September 2023

Venue: Board room (Bhubaneswar Campus)

#### Agenda:

Eligibility criteria for enrolment into DCHP

Modification in syllabus

- Bachelor of Physiotherapy
- B.Sc. MRT
- B. Sc. AT
- B. Sc. OTT
- B. Sc. EMT

Dean,

School of Paramedics and Allied Health Sciences

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke extending to the right.



# CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT

## School of Paramedics and Allied Health Sciences

Time: 10.30 am

Date: 08/09/2023

Venue: Bhubaneswar campus (Seminar Hall)

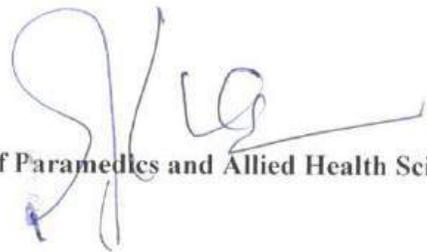
-- 8 --<sup>th</sup> Board of Studies Meeting

### Attendance Sheet

| Sl. No. | Name of the BoS Member (Internal Faculty and External Resource) | Signature |
|---------|---|-----------|
| 1       | Dr. Debasish Saha   |           |
| 2       | Dr. Alok Smastan  | Smastan   |
| 3       | Prof. Dr. P. K. Mohanty   |           |
| 4       | Dr. Ajay Kumar Meher  |           |
| 5       | N. Liny Priyadarshini   |           |
| 6       | Dr. Purasama Pradha   |           |
| 7       | Sanil Kumar Saha  |           |
| 8       | Dr. Soumya Tal  |           |
| 9       | Dr. Monali Priyadarshini Mishra                                 |           |
| 10      | Ms. Kasturba Tiwari   |           |
| 11      | Ms. Deepika Shy's   |           |

|    |                          |                           |
|----|--------------------------|---------------------------|
| 12 | Dr. Sakuntala Sahani     | Sahani<br>08.09.23        |
| 13 | UPASANA<br>BANDYOPADHYAY | Upasana<br>Bandyopadhyay. |
| 14 |                          |                           |
| 15 |                          |                           |

Dean, School of Paramedics and Allied Health Sciences





Annexure A

List of new courses added

| Sl. No | Course Title                      | Type (Skill/ Employability/ Entrepreneurship) | Credit |
|--------|-----------------------------------|---|--------|
|        | <b>Bachelor of Physiotherapy</b>  |   |        |
| 1.     | Exercise therapy - II             |   | 5      |
| 2.     | Biomechanics and Kinesiology - II |   | 6      |
| 3.     | General Orthopaedics - II         |   | 3      |

List of existing courses where syllabus was changed

| Basket/ Semester                 | Name of Course                     | No. of Modules/Topics revised | Revised Modules/Topics (details)   |
|----------------------------------|------------------------------------|-------------------------------|--|
| <b>Bachelor of Physiotherapy</b> |                                    |                               |  |
|                                  | Exercise therapy I                 |                               | Change course title from Exercise therapy  |
|                                  | Psychology and Sociology           | 1                             | Topics overlapping with Medicine - IV (Neuro psychiatry)                           |
|                                  | Electrotherapy - I                 | 1                             | Addition of New topics: Complete Module 1 and Cryotherapy from Electrotherapy - II |
|                                  | Electrotherapy - II                | 1                             | Addition of new topics: Cervical Traction, Lumbar Traction                         |
|                                  | Biomechanics and Kinesiology       | 1                             | Credit Change  |
|                                  | Community Medicine in Orthopaedics | 1                             | Change course title from "Community Medicine in Orthopaedics "                     |
|                                  | Pediatrics and Geriatrics          | 1                             | Module V is to be removed as its integrated in Medicine - I,II,III,IV              |
|                                  | Surgery - I                        | 2                             | Syllabus can be completed in 4 credits   |
|                                  | Medicine - I (General Medicine)    | 2                             | Requirement of shifting Module 2 to Medicine - II and syllabus can be              |



|   |  |   |   |
|---|--|---|---|
|   |  |   | completed in 4 credits  |
|   | Medicine - II<br>( Cardiology<br>and Work<br>Physiology) | 2 | Requirement of<br>addition of Entire<br>Module 2 from<br>Medicine – 1<br>1. Project component<br>added instead of<br>Practical  |
|   | Medicine - IV<br>(Psychiatry)                            |   | Syllabus can be<br>completed within 4<br>credits  |
|   | General<br>Orthopaedics                                  |   | Change of syllabus<br>and Change of Title to<br>General Orthopaedics<br>- I   |
|   |  |   |   |
| <b>BSc Medical<br/>Radiation<br/>Technology</b>     |  |   |   |
|   | Orientation in<br>Clinical Science                       |   | Change in<br>nomenclature from<br>Orientation in Clinical<br>Science course<br>content to<br>"Orientation in Clinical<br>Science Course<br>Content"   |
|   |  |   |   |
| <b>BSc<br/>Operation<br/>Theatre<br/>Technology</b> |  |   |   |
|   | Practical on<br>Community<br>Health care<br>settings     |   | Change in course<br>name ( Practical<br>orientation on<br>Community and<br>Health care sector<br>industry to Practical<br>on Community Health<br>care settings and<br>change project 2+0+1<br>to practical 2+1+0) |
|   | Advance<br>Surgical<br>Techniques                        |   | Practical content<br>added  |
|   | Hospital & Clinical<br>Pharmacy                          |   | Practical content<br>added  |
|   | Basics of Surgical<br>procedures                         |   | Practical content<br>added  |



|  |  |  |  |
|--|--|--|--|
|  | CSSD Procedures                              |  | Practical content added  |
|  | Basic Intensive care                         |  | Practical content added  |
|  | Basics of Nursing                            |  | Practical content added  |
|  |  |  |  |
| <b>BSc<br/>Emergency<br/>Medicine<br/>Technology</b> |  |  |  |
|  | Hospital and clinical pharmacy               |  | Practical content added  |
|  | Introduction to emergency services part-I    |  | Practical content added  |
|  | Emergency Department Equipment Part - I      |  | Practical content added  |
|  | Emergency Department Pharmacology Part -I    |  | Practical content added  |
|  | Medical emergencies - Part I                 |  | Practical content added  |
|  | Emergency department equipment -Part II      |  | Practical content added  |
|  | Emergency Department Pharmacology-Part II    |  | Practical content added  |
|  |  |  |  |
| <b>BSc<br/>Anaesthesia<br/>Technology</b>            |  |  |  |
|  | Regional and general concept of anesthesia   |  | Change in course name ( Concepts of Diseases and Techniques in Regional & General Anesthesia including Complications medical to Regional and general concept of anesthesia |
|  | Anesthesia for Specialty Surgeries paper-I   |  | Change in course name ( Anesthesia for Specialty Surgeries to Anesthesia for Specialty Surgeries paper-I )   |
|  | Anesthesia Techniques Including Complication |  | Change in course name( Anesthesia Techniques Including Complication Same as OT to Anesthesia Techniques Including Complication )   |
|  | Anesthesia for Specialty Surgeries paper-II  |  | Change in course name ( Anesthesia for Specialties (Including Critical Care Assistance and Ventilation)- Paper II  |



|  |  |   |
|--|--|---|
|  |  | to Anesthesia for Specialty Surgeries paper-II) |
|--|--|---|



Annexure B

List of Skill courses (Basket) approved

| Sl. No | Course Title          | Credit | (T+P+P) |
|--------|-----------------------|--------|---------|
| 1.     | Home Health Care Aide | 4      | 0+3+1   |
| 2.     | Diabetes Educator     | 4      | 0+3+1   |



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT**

**School of Applied Sciences**

**Date: 07<sup>th</sup> September 2023**

**MINUTES OF BOARD OF STUDIES MEETING held on 07.09.2023**

Venue: Board Room (Hall No. 6)

Time: 11:00 A.M

The Board of Studies (BoS) meeting of School of Applied Sciences was held on 07.09.2023. at 11:00 A.M. in face to face mode. The following are the members:

1. Prof. Prafulla Kumar Mohanty, Vice Chancellor, Khallikote University.
2. Dr. Yashaswi Nayak (Head of the Department Zoology & Dean SoAS)
3. Dr. Siba Prasad Parida (Professor Department of Zoology)
4. Dr. Gagan Kumar Panigrahi (Associate Professor, Department of Zoology)
5. Dr. Bikash Ranjan Sahoo (Assistant Professor, Department of Zoology)
6. Dr. Pradip Kumar Prusty (Asst. Prof., Department of Zoology)

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the ~~Head of the Department/~~ Dean presented the achievements and improvements of the department/school in the areas of academics, research, consultancy and infrastructure. The Head of the Department/ Dean also gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders.

The following agenda items were taken up subsequently:

**Agenda 1: The minutes of the last meeting of the BoS held on 11<sup>th</sup> July 2022 were confirmed.**

**Agenda 2: Discussion and approval on any revision required in the Curriculum of Zoology**

Based on the presentation on feedback on curriculum by the various stakeholders, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

The subjects of M.Sc. Zoology is more fishery oriented which needs to be Zoology oriented.

The reference of all the papers need to be written in proper reference style.

List of new courses approved by the Board is provided in Annexure A

New courses were approved for the Department (Annexure attached)

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

No New courses were included on life skills and value addition

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

**Agenda 4: Any other item with due permission of the chair**

Nil

The Dean/Head of the Department extended sincere thanks to all members of the Board.

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

  
Pro Vice Chancellor

  
Dean, School of Applied Sciences.

**DEAN**  
**School of Applied Sciences**  
**CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT**  
**Bhubaneswar, Odisha**

## ANNEXURE - A

As per the advice of external expert for BoS – 2023 the fish oriented subjects to be merged and couple of New cutting-edge technology courses to be added in the M.Sc. Curriculum of Department of Zoology.

- The courses to be merged are :
  - 1 Water and Soil Quality Management in Aquaculture, (CUTM1443)
  - 2 Fish Processing and Value Addition, (CUTM1448)
  - 3 Fish and Shellfish Health Management, (CUTM1445)
  - 4 Ornamental Aquaculture, (CUTM1449)
- Water and Soil Quality Management in Aquaculture, (CUTM1443) and Ornamental Aquaculture, (CUTM1449) will be merged.
- Fish Processing and Value Addition, (CUTM1448) and Fish and Shellfish Health Management, (CUTM1445) will be merged.
- New courses in Zoology to be introduced are :
  - 1 Developmental Biology and Biostatistics
  - 2 Animal Taxonomy
  - 3 Fish Processing and Health Management
  - 4 Water Quality Management in Aquariculture
- As per the advice of BoS Members Biological Sciences Net Domain to be introduced. These are the following subjects that need to be introduced in the upcoming semester.
  1. Molecules and their Interaction Relevant to Biology
  2. Cellular Organization
  3. Fundamental Processes
  4. Cell Communication and Cell Signaling
  5. Developmental Biology
  6. System Physiology – Plant
  7. System Physiology – Animal
  8. Inheritance Biology
  9. Diversity of Life Forms
  10. Ecological Principles
  11. Evolution and Behavior
  12. Applied Biology
  13. Methods in Biology

ANNEXURE - B

Value Added Courses 2021

| Sl. No. | Course Code | Course title   | Credit (30 Hrs) | School/Department |
|---------|-------------|--|-----------------|-------------------|
| 1       | CUVA4000    | Society and Culture                                      |                 | All               |
| 2       | CUVA4001    | Quality Analysis   |                 | All               |
| 3       | CUVA4002    | Clinical Practice  |                 | All               |
| 4       | CUVA4003    | Safety Tips For Environmental Disaster                   |                 | All               |
| 5       | CUVA4004    | SPSS/R   |                 | All               |
| 6       | CUVA4005    | Human Behavior And Relations                             |                 | All               |
| 7       | CUVA4006    | Organic Farming  |                 | All               |
| 8       | CUVA4009    | Research Methodology and IPR                             |                 | All               |
| 9       | CUVA4010    | MS Excel Basics  |                 | All               |
| 10      | CUVA4011    | Virtual Etuquette  |                 | All               |
| 11      | CUVA4012    | Web development  |                 | All               |
| 12      | CUVA4013    | Ethical Hacking  |                 | All               |
| 13      | CUVA4014    | Tableau  |                 | All               |
| 14      | CUVA4015    | Constituion of India                                     |                 | All               |
| 15      | CUVA4016    | Video Making for YouTubers                               |                 | All               |
| 16      | CUVA4017    | Financial Modeling                                       |                 | All               |
| 17      | CUVA4018    | Steps for Career Plan                                    |                 | All               |
| 18      | CUVA4019    | Music/Dance  |                 | All               |
| 19      | CUVA4020    | Health and Life style                                    |                 | All               |
| 20      | CUVA4021    | Yoga and Meditation                                      |                 | All               |
| 21      | CUVA4022    | Garment design and tailoring                             |                 | All               |
| 22      | CUVA4023    | Technical writing  |                 | All               |
| 23      | CUVA4024    | Food Processing, Preservation and Nutrition              |                 | All               |
| 24      | CUVA4025    | Interior, Exterior Designing and Decoration              |                 | All               |
| 25      | CUVA4026    | Maintenance and Repair of Medical & Laboratory Equipment |                 | All               |
| 26      | CUVA4027    | Baking   |                 | All               |
| 27      | CUVA4028    | Gardening  |                 | All               |
| 28      | CUVA4029    | Waste to wealth  |                 | All               |
| 29      | CUVA4030    | Life Skills & Moral Value Education                      |                 | All               |
| 30      | CUVA4031    | Ethical Writing Practice                                 |                 | All               |
| 31      | CUVA4032    | Modelling using MSExcel                                  |                 | All               |
| 32      | CUVA4033    | Self-Management: Insights from Srimad Bhagavad Gita      |                 | All               |
| 33      | CUVA4034    | Value-Based Leadership: The Valmiki Ramayana Perspective |                 | All               |
| 34      | CUVA4035    | MATLab   |                 | All               |
| 35      | CUVA4036    | Entrepreneurship Development and Industrial Consultancy  |                 | All               |
| 36      | CUVA4037    | Financial Management and Cost Accounting                 |                 | All               |
| 37      | CUVA4038    | Financial Literacy                                       |                 | All               |