

12th Board of Studies Meeting School of Applied Sciences

Academic year: 2023-24

Date: 7th September 2023.

Venue: Hall No. 6

Agenda:

- Confirmation of Minutes of BoS Meeting held on 11th July 2022.
- 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.

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



School of Applied Sciences

Date: 07th 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 11th 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 Chancellon

Dean, School of Applied Sciences.

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.
- 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).
- 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.

Songwood duck -

ANNEXURE-B

Value Added Courses_2021

SI. No.	Course Code	Course title	Credit (30 Hrs)	School/Department
1	CUVA4000	Society and Culture		All
2	CUVA4001	Quality Analysis		All
3	CUVA4002	Control of the Contro		All
4	CUVA4003	Safety Tips For Environmental Disaster		All
5	CUVA4004	F. PALITY LAND AND AND AND AND AND AND AND AND AND		All
6	CUVA4005			All
7	CUVA4006			All
8	CUVA4009	97		All
9	CUVA4010			All
10	CUVA4011			All
12		Web development		All
13	CUVA4013 CUVA4014	The state of the s		All
14	CUVA4014	# FOURTHEAD FOR THE THE PROPERTY OF THE PROPER		All
15		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	3	83	A CONTRACT
24		Food Processing, Preservation and Nutrition	1	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



Board of Studies Meeting School of Agricultural and Bio-Engineering

Department of Agricultural Engineering

Academic year:

2023-24

Date:

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

Venue:

Board Room, Aryabhatta 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 (Agricultural Engineering) as per the feedbacks received from stockholders.

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

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

Dean, SoABE

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



School of Agricultural and Bio Engineering

Department of Agricultural Engineering

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 the School of Agricultural and Bio Engineering was held on 08-09-2023 at Board Room, Aryabhata Building, CUTM, Jatni in offline mode. The following are the members:

- 1. Prof. Md. Khalid Khan, Retd. Dean, CAET, OUAT, Bhubaneswar
- 2. Mr. Sudhansu Sekhar Nayak, Training Incharge & AAE, OFMRDC, Bhubaneswar.
- 3.Dr. Korla Harshavardhan, Assistant Professor, SoABE, CUTM, Paralakhemundi.
- 4. Dr. Santosh. D. T, Assistant Professor, SoABE, CUTM, Paralakhemundi.
- 5. Dr. Prasant kumar Choudhury, Assistant Professor, SoABE, CUTM, Paralakhemundi.
- 6. Dr. Bhisma Narayan Rath, Assistant Professor, SoABE, CUTM, Paralakhemundi.

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, Dr. Prasanta Kumar Choudhury, Asst. Professor presented the achievements and improvements of the department in the areas of academics, research, consultancy, and infrastructure. Dr. Choudhury 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 Jul 8, 2022 were confirmed.

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

Based on the presentation on feedback on the 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.

- Some suggestions were received as feedback from faculty experts, which are as follows for different subjects
 - i. Agricultural Structure and Environmental Control (CUTM-1134) 2(1+1+0)

It will be difficult to cover the entire course in 2(1+1+0) credit hours. If possible it should be changed to 3(2+0+1) credit hours. Topics like the Design of septic tanks and soak pit for small family should be included.

ii. Dairy and Food Engineering (CUTM 1143)- 3(2+0+1)

In Course outcome include "Sterilization"

Module II

- Include single-effect evaporators
- Include different types of steam, types of steam boilers, calculation of efficiency, and boiler horsepower. Procedure for selection of boiler for dairy and food processing plant.
- iii. Watershed Hydrology (CUTM-1129) 2(1+1+0)
 - Reference books not given and to be added.
- iv. Soil and Water conservation Engineering and Structures (CUTM-1136) (3+0+1)

Course Objectives: Add tidal erosion

Module -II - Add temporary soil erosion control measures/ methods

v. Watershed Planning and Management (CUTM-1137)

In each module (i to iv) details should be given in the form of subheads.

vi. Drainage Engineering (CUTM-1138) - 2(1+1+0)

Details should be mentioned in each module

vii. Farm Machinery & Equipment -II (CUTM-1139) - 3(2+1+0)

Module I – Add Drone technology for spraying and dusting

Module II - Add brush cutters, Reaper binder, bailers (round and square)

Module IV - Add sugarcane harvester

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 Chancellar

Dean, School of

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



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

Dean, SoABE

School of Agricultural & Bio-Engineering CUTM, Paralakhemundi

Dist- Gajapati, Pin-761211



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

DEAD

School of Agricultural & Bio-Engineering
CUTM, Paralakhemundi

Dist- Gajapati, Pin-761211



12th Board of Studies Meeting School of Engineering & Technology

Academic year: 2023-24

Date: 7th September 2023

Venue: Board Room (Bhubaneswar Campus)

Agenda:

- Confirmation of Minutes of BoS Meeting held on 8th July 2022.
- 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.

Dean.

School of Engineering & Technology



School of Engineering

Date:07/09/2023

MINUTES OF BOARD OF STUDIES MEETING held on 07/09/2023

Venue: Board Room, CUTM, BBSR Campus

Time: 11:30 am

The Board of Studies (BoS) meeting of School of Engineering and Technology was held on 07-09-2023 at 11 am in the board room of CUTM, BBSR campus in offline mode. The following are the members:

- 1. Er. Swayambhu Mohanty, AIRACE Pvt. Ltd.
- 2. Dr. Prafulla Kumar Panda, HOD, PKD Campus
- 3. Dr. Siba Prasad Mishra, Professor
- 4. Dr. Kamal Kumar Barik, HOD, BBSR Campus
- 5. Dr. Deepak Kumar Sahu, Assistant Professor

The Chairperson welcomed all members of the Board and briefly outlined the purpose of the meeting. Thereafter, the Head of the Department presented the achievements and improvements of the department in the areas of academics, research, consultancy and infrastructure. The Head of the Department 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.Tech, Civil Engg., M.Tech, Structural Engg. and Transportation Engg.

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 HoD. Civil Engg. gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders. Based on this, the Board accepted and approved a few suggestions for course revision to be implemented from the Academic Year 2023-24.

- The syllabus of 3rd to 8th semester of B. Tech, Civil Engg, was considered and approved by the Board. The domain syllabus and core subject of Civil Engineering are need to be re-arranged according to CO-PO mapping.
- The Board reviewed the syllabus of M.Tech, Structural Engg. And Transportation Engg. decided that no changes were required in the syllabus.

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)

· Skill Courses approved by university

3D Game Art	Employability/Skill - Practice and Project
Concrete Paver Manufacturing	Employability/ Entrepreneurship/Skill - Practice and Project
GIS and Remote Sensing: Applications in Participatory Natural Resource Management	Employability/Skill - Practice and Project
GIS and Remote Sensing: Application Development	Employability/Skill - Practice and Project

Value Added courses approved by university

Name of the value added courses (with 30 or more contact hours)offered	Duration of course
Ethical Hacking	30 Hours
Clinical Practice	30 Hours
Financial Literacy	30 Hours
MATLAB	30 Hours
MS Excel Basics	30 Hours
Pharmaceutical Dry-Lab Techniques	30 Hours
Research Methodology and IPR	30 Hours
Steps for Career Plan	30 Hours
TABLEAU	30 Hours
Technical Writing	30 Hours
Waste to Wealth	30 Hours
Web Development	30 Hours
Yoga and Meditation	30 Hours
Health and Lifestyle	30 Hours
Life Skills and Moral Value Education	30 Hours
Ansys	30 Hours
Video Making for Youtubers	30 Hours

List of Domain courses approved

Sl. No	Domain Course Title	Credit	(T+P+P)
1	Construction Planning Monitoring and Project Management	16	4 - 6 - 6
2	Architectural and Structural Design	20	4 - 10 - 4
3	Aerial Survey and Remote Sensing Applications	18	4 - 10 - 4
4	Go-to-market	22	4 - 10 - 8

· List of value-added courses approved

Sl. No	Course Title	Hrs. of input
1	LSD-2	30
2	Development of Concentration and Memory- Application of 'Raja Yoga' in daily life	30
3	Self-defense for Girls	30
4	Digital Marketing	30
5	Bio-fertilizer	30
6	Gender Issues	30
7	Solid Waste Management	30
8	Smart Agriculture	30
9	Adobe Tools	30

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

Dean, SoET



12th Board of Studies Meeting School of Engineering & Technology

Academic year: 2023-24

Date: 7th September 2023

Venue: Board Room (Bhubaneswar Campus)

Agenda:

- Confirmation of Minutes of BoS Meeting held on 8th July 2022.
- 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.

Dean,

School of Engineering & Technology



School of Engineering and Technology

Date: 07/09/2023

MINUTES OF BOARD OF STUDIES MEETING held on 7th September 2023

Venue: Board Room, CUTM, BBSR

Time: 11:00 AM

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

- 1. Mr. Aniya Chand Panda, Professor of Practice, CUTM, Bhubaneswar
- 2. Capt. Sandeep Mishra, Director, Centre of Aviation and Space, Bhubaneswar

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 on any revision required in the Curriculum of B. Tech, Aerospace Engineering syllabus.

The professor of Practice, Aerospace Engineering gave a presentation on the feedback received on curriculum outlining the suggestions made by the various stakeholders. Based on this, the Board accepted and approved the suggestions for no changes in the course for the academic Year 2023-24

Discussion on modification of syllabus of Basket-1 to Basket-5.

The Board suggested no changes in respective of Baskets.

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 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 professor of Practice, Aerospace Engineering extended sincere thanks to all the members of the Board.

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

Pro Vice Chancellor

Dean, School of Engineering and Technology

List of Skill courses

SI. 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	Opthalmic 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
1.1	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	Opthalmic Lens and spectacle manufacturing Techniques	4	0+3+1
19	Medical Diagnostic Techniques_	4	0+3+1
20	Introduction to Aquaponies	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