



**ANNAMACHARYA UNIVERSITY**

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY  
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)

Rajampet, Annamayya District, A.P – 516126, INDIA

**SCHOOL OF HEALTH SCIENCES**

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**BSc Anaesthesia Technology & Operations Technology**

**MEETING MINUTES**  
**of**  
**FIRST BOARD OF STUDIES**

**ACADEMIC YEAR: 2024-25**

**Date & Time: 10/06/2025 & 12:00PM**

**Venue: AITS CONFERENCE HALL**



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## Agenda of the Meeting:

S. No	Particulars
1	Welcome and Introduction
2	Overview of B.Sc. AOT Program – Vision, Mission, and Objectives
3	Presentation and discussion on the proposed 1st Year B.Sc. AOT curriculum
4	Suggestions from experts
5	Any other matter with the permission of the Chair



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Ref.No.:/AU/SoH/ATOT/BOS-01/2024-25/MOM-01

Date: 10/06/2025

## BSc Anaesthesia Technology & Operations Technology

### 1st BOS Minutes of Meeting

The 1st meeting of Board of Studies (BOS) for BSc Anaesthesia Technology & Operation Technology is held in Hybrid mode on 10th June, 2025 in Conference Room of AITS Main Block at 12:00 PM in the presence / absence of the following members of the board.

#### Members of Presence:

Sl.No	Name	Designation	Status
1	Mrs Y S Rekha	Assistant Professor School of health sciences Annamacharya University Rajampet, Andhra Pradesh	Chairperson
2	Dr. P. Dwarakanadha Reddy	Professor, Annamacharya College of Pharmacy (Autonomous) Rajampet, Andhra Pradesh	Member
3	Dr. S. Aparna	Dean, School of Allied Health Sciences Malla Reddy University Hyderabad, Telangana.	Subject Expert – Member
4	Mr. K Manas Chakravarthy	Professor & HOD, Department of Anaesthesia Technology & Operation Technology, Mohan Babu University, Tirupathi, Andhra Pradesh	Subject Expert – Member
5	Miss. P. Preethi	Assistant Professor Department of Anaesthesia Technology & Operation Technology, Apollo University, Chittoor, Andhra Pradesh	Subject Expert – Member
6	Dr. C. Ravishankar	Head of the Department, Anaesthesia & Critical Care Medicine, KIMS Saveera Hospital Anantapur, Andhra Pradesh	Subject Expert – Member
7	Dr. B. Vineetha Reddy	202, Sangaraju Apartments, Noonevaripalli Road, Rajampet Andhra Pradesh.	Subject Expert- Member

Members of Absence: NIL



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## Agenda of the Meeting:

Item No	Particulars
BOS/2025/ATOT/1	Welcome and Introduction
BOS/2025/ATOT/2	Overview of AOT Program – Vision, Mission, and Objectives
BOS/2025/ATOT/3	Presentation and discussion on the proposed 1st Year AOT curriculum
BOS/2025/ATOT/4	Suggestions from experts.
BOS/2025/ATOT/5	Any other matter with the permission of the Chair

## MINUTES OF THE MEETING

### Agenda Item No. BOS/2025/AOT/1: Welcome and Introduction

#### Welcome:

Dr. P. Dwarakanadha Reddy, Professor and Officer In-charge School of Health Sciences has extended warm welcome to all the members.

#### Introduction:

At the outset, Mrs Y.S. Rekha Reddy, Assistant Professor, Department of Anaesthesia Technology & Operation Technology, School of Health Sciences introduced all the members of the Board of Studies and thanked them for accepting the invitation to the 1st BOS meeting.

The Chairperson has presented the Vision, Mission, Objectives, of the I- BSc Anaesthesia Technology & Operation Technology. After the discussion the members resolved to approve the Vision, Mission and Objectives.



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## **Agenda Item No. BOS/2025/ATOT/2: Overview of ATOT Program – Vision, Mission, and Objectives**

### **Vision of the Department:**

- To become a centre of excellence in Anaesthesia and Operation Technology education by nurturing skilled, compassionate, and ethical healthcare professionals who contribute to safe and advanced patient care.

### **Mission of the Department:**

- To provide high-quality, student-focused education and training in Anaesthesia Technology and Operation Technology.
- To instil strong clinical, technical, and communication skills aligned with modern healthcare needs.
- To promote ethical practices, patient safety, and teamwork in surgical environments.
- To empower students with a research mindset and lifelong learning attitude.

### **Objectives of the Department:**

- Gain comprehensive knowledge of human anatomy, physiology, pharmacology, and pathology relevant to anaesthesia and surgical procedures.
- Learn principles and practices of various anaesthesia methods including general, regional, and local anaesthesia.
- Develop proficiency in handling, troubleshooting, and maintaining anaesthesia machines, ventilators, monitors, and associated devices.
- Acquire skills to assist anaesthesiologists in preoperative assessment, intraoperative monitoring, and postoperative care of patients.

**Resolution:** The members reviewed and **unanimously approved** the Vision, Mission, and Objectives of the ATOT program.



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## Agenda Item No. BOS/2025/ATOT/3:

### **Presentation and discussion on the proposed 1st Year ATOT curriculum.**

Mrs. Y.S.Rekha presented the First-Year ATOT course structure in alignment with the AU 24 Regulations, including details on the academic calendar, credit system, and individual subject outlines. The structure and content of each subject were discussed as follows:

- **English:** The syllabus includes topics aimed at improving students' understanding of English language, grammar, and vocabulary, with an emphasis on developing writing and communication skills necessary for healthcare professionals.

**Resolution:** The BOS reviewed the syllabus for the English subject and, following detailed discussion, granted its approval as submitted.

- **Anatomy:** The syllabus provides comprehensive coverage of gross and functional anatomy.

**Resolution:** The BOS deliberated on the Anatomy syllabus and approved it following comprehensive discussion

- **Physiology:** The syllabus details physiological mechanisms with relevance to clinical practice.

**Resolution:** The BOS considered the Physiology syllabus and, upon thorough evaluation, accepted it as presented.

- **Biochemistry:** The syllabus addresses core conceptual content; the requirement for a Biochemistry Lab was reviewed based on expert input.

**Resolution:** The Biochemistry syllabus was accepted by the board as presented.

- **Introduction to Anaesthesia and Operation Technology:** The syllabus focuses on establishing a foundation in foundational knowledge and understanding of anaesthesia and operation theatre technology, including the principles of anaesthetic administration, patient monitoring, sterilization techniques, and the roles and responsibilities of an operation theatre technologist

**Resolution:** The BOS evaluated the Introduction to Anaesthesia and Operation Technology syllabus and gave its approval after careful deliberation.

### **Resolution:**

The Board of Studies (BOS) reviewed and discussed the proposed curriculum structure and syllabi for the First Year B.Sc. Anaesthesia Technology & Operation Technology (ATOT) program, as presented by Mrs. Y.S. Rekha, in alignment with the AU 24 Regulations.

The Board **approved** the academic calendar and syllabi for all subjects as presented.



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## **Agenda Item No. BOS/2025/ATOT/4:**

### **Suggestions from experts:**

#### **1. Dr. S. Aparna Suggested**

- The current syllabus contains advanced and detailed topics that exceed the scope expected at the introductory level.
- Include basic concepts and definitions in anaesthesia, Roles and responsibilities of anaesthesia.
- Frame the syllabus to avoid repetition in the later academic years.
- Add Sociology and Psychology as foundational subjects.

#### **Resolution:**

The Board acknowledges the valuable input from Dr. S. Aparna and agrees that the current syllabus should be simplified for first-year students. It is resolved that:

- The syllabus will be revised to include basic concepts and definitions in anaesthesia, along with the roles and responsibilities of anaesthesia professionals.
- Topics will be carefully framed to avoid repetition in later academic years.
- Sociology and Psychology will be introduced as foundational subjects from the next academic year, considering their importance in communication, patient care, and professional interaction.

#### **2. Mr. K. Manas Chakravarthy**

##### **Suggestion:**

- Reduce the syllabus in the subject-introduction to Anaesthesia Technology and Operation Technology and reframe the syllabus accordingly.

##### **Resolution:**

The Board acknowledges the concern raised by Mr. K. Manas Chakravarthy regarding the extent of the current syllabus. It is resolved that the syllabus for Introduction to Anaesthesia Technology and Operation Technology will be reviewed and appropriately reduced to align with the academic level and learning capacity of first-year students. The revised syllabus will focus on foundational concepts, basic principles, and essential knowledge areas.

#### **3. Dr. C. Ravishankar**

##### **Suggestions:**

For first-year students, the current syllabus is too extensive. Emphasis should be on basic sciences and an overview of their specialization.

- Add a clear introduction to the course, outlining the scope and objectives.
- Include fundamentals, protocols, and infrastructure of the Operation Theatre.



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## **Resolution:**

The Board carefully reviewed the suggestions made by Dr. C. Ravishankar and agrees with the suggestions and resolved to modify the syllabus for Introduction to Anaesthesia Technology and Operation Technology by incorporating the scope and objectives of the subject. The syllabus will also include essential content on the fundamentals, protocols, and infrastructure of the Operation Theatre, providing students with a foundational understanding of their future specialization.

## **4. Miss P. Preethi**

### **Suggestions:**

The syllabus framed is too vast and advanced for a first-year subject.

- Restrict to the basics of anaesthesia.
- Include topics like the history of anaesthesia, and the scope and objectives of the field.

### **Resolution:**

The Board acknowledges the concerns raised by Miss P. Preethi regarding the complexity and depth of the current syllabus for Introduction to Anaesthesia Technology and Operation Technology. It is resolved that the syllabus will be revised to focus only on the fundamental aspects suitable for first-year students.

## **5. Dr. B. Vineetha Reddy**

### **Suggestions:**

In the subject introduction to Anaesthesia Technology and Operation Technology

- The syllabus needs to be more aligned with the learning capacity of first-year students as it is bit tough for students to understand those topics to start with
- In unit-I just add basics of Anaesthesia like instruments, apparatus, history, Basic Life Support.
- Arrange the topics in a simple and step-by-step manner from basics to advanced in further units.

### **Resolution:**

The Board concurs with the observations made by Dr. B. Vineetha Reddy and resolves that the syllabus will be restructured to better match the academic level of first-year students. Accordingly: Unit-I will be revised to cover only the basic concepts of anaesthesia, including essential instruments, apparatus, and historical background, Basic Life Support.

## **Agenda Item No. BOS/2025/ATOT/5:**

### **Any Other Matter with the Permission of the Chair**

No additional matters were raised. The meeting concluded with a vote of thanks from the Chairman, who expressed appreciation to all the members for their valuable contributions and insights.



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Date :10.06.2025

## BOARD OF STUDIES MEMBERS

### B.Sc. Anesthesia and Operation Technology

S.No.	Name of the Board Members ATOT	Role	Signature
1.	Miss.Y.S Rekha	CHAIRPERSON	Attended Online
2	Dr.P. Dwarakanadha Reddy	MEMBER	P. Dwarakanadha Reddy 10/6/25
3	Dr.S. APARNA	Subject expert member	Attended Online
4	Dr.k. MANAS CHAKRAVARTHY	Subject expert member	K. Manas Chakravarthy 10/6/25
5	Miss.P.Preethi	Subject expert member	Attended Online
6	Dr.C.Ravishankar	Subject expert member	Attended Online
7	Dr.B.Vineetha Reddy	Subject expert member	Attended Online



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1<sup>st</sup> Board of Studies Meeting

### Agenda

ITEM NO	ITEM
1	BOS Members
2	Introduction
3	Review of Curriculum Structure of the BSc ATOT
4	Course-wise Syllabus Review

## Introduction to Anesthesia Technology & Operation Technology

**UNIT-1**  
Pre-anesthetic Checkup (PAC)-History, pre-operative, Intra operative & post-operative care.  
Anesthesia techniques: Historical background, Types of Anesthesia, Choice of Anesthesia, General Anesthesia-Indication of general anesthesia, Endotracheal intubations General Anesthesia Techniques, Local Anesthesia Techniques, Blood Transfusion, monitoring in the Operation Theatre, Positioning of Patient

**UNIT-2**  
Pre-Anesthetic Orders: Patient Informed consent- NPO guidelines- Premedication advantages, drugs used- Special instructions if any

- Establishing surgical environment
- Transportation of patient to the O.T
- Environmental, physical, chemical, and biological hazards
- Appropriate operating room attire
- Principles of monitored anesthesia care-MAC

**UNIT-3**

- Anesthesia Instrument planning for various surgical procedure and Auxiliary instrumentation, Boyle's apparatus, face mask, types of circuits, T-piece, Circle system Supply of compressed gases, liquid oxygen, storage & supply system, reducing pressure valves, Vaporizers, Intubation equipment, Central gas supply, Safety features of anesthesia machine, medical gas cylinders, Pressure control system, Flow meters, Vaporizers

# THANK YOU