D Y PATIL
AGRICULTURE & TECHNICAL
UNIVERSITY
TALSANDE KOLHAPUR

Recognized by the UGC u/s 2(f) of UGC Act 1956 and enacted by the State Govt. of Maharashtra - DYP-ATU Act, 2020 (Mah.XXXVI of 2020)

Ref. No.: DYP-ATU/ CISR/01/07/2026 Date: 07/02/2026

MINUTES OF THE MEETING

Centre for Interdisciplinary Studies & Research (CISR) Committee

Meeting Details:

Date of Meeting: 03/02/2026

Time: 01:15 PM

Venue / Mode: Vice-Chancellor's Cabin, Physical Mode

Members Present

1. Prof. (Dr.) Anilkumar S. Gupta – Chairperson
2. Dr. Yogesh V. Chimate – Member Secretary
3. Dr. Snehal Khandekar
4. Dr. Vikas Sawant
5. Dr. Sagar Chavan
6. Ms. Shravani Girigosavi
7. Mrs. Ashwini Sawant
8. Mrs. Ashwini Powar
9. Mr. Sandip Patil

Special Invitee(s), if any

1. No

(Attendance Sheet enclosed as Annexure–I)

Members Absent

1. Dr. Umesh Shembade
2. Ms. Disha Malgavi

Agenda-wise Proceedings

Agenda Item No. 1: Welcome and Opening Remarks

Dr. Yogesh V. Chimate, Director – CISR and Member Secretary, welcomed the Prof. (Dr.) Anilkumar S. Gupta, Hon'ble Vice-Chancellor and Chairperson of committee, and all committee members for the first meeting of the Centre for Interdisciplinary Studies & Research (CISR). The meeting commenced after confirming the quorum.

Agenda Item No. 2: Confirmation of Minutes of the Previous Meeting

Since this was the first meeting of the CISR Committee, confirmation of the minutes of the previous meeting was not applicable.

Agenda Item No. 3: Review of Action Taken Report (ATR)

As this was the first meeting, the Action Taken Report (ATR) was not applicable.

Agenda Item No. 4: Matters Discussed for Information

1. Introduction of Committee Members

Dr. Yogesh V. Chimate requested all committee members to introduce themselves to the Hon'ble Chairperson. He also briefed the members about the roles and responsibilities of the CISR committee.

2. Vision and Mission of CISR

Dr. Yogesh V. Chimate presented the Vision and Mission of CISR.

Vision

To emerge as a premier hub of interdisciplinary excellence that fosters innovation, advances scientific knowledge, and creates meaningful societal impact through collaborative research, technology integration, and transformative education.

Mission

1. To facilitate multidisciplinary teaching-learning practices.
2. To nurture research collaborations across departments.
3. To offer high-impact certification and training programs.
4. To secure government and industry-funded projects.
5. To create a culture of innovation and entrepreneurship.

The committee members noted and appreciated the vision and mission of CISR.

Agenda Item No. 5: Matters Discussed for Ratification

Preliminary Activities of CISR

Dr. Yogesh V. Chimate proposed that CISR will focus on the following four major pillars:

1. Starting multidisciplinary courses for university students such as MDM or Open Electives.
2. Conducting short-term skill-based certification courses.
3. Organizing Faculty Development Programs (FDPs) and Short-Term Programs (STPs) for faculty and students.
4. Promoting collaborative interdisciplinary research and submitting project proposals to government funding agencies such as DST, DBT, etc.

Resolution:

The committee ratified the proposed activity framework unanimously.

Agenda Item No. 6: Matters Discussed and Approved

1. Department-wise Suggestions / Requirement Sharing

The Hon'ble Chairperson suggested that each department coordinator should present one certification course proposal in their respective domain during the next CISR meeting.

Dr. Yogesh V. Chimate also suggested compiling soft copies of interdisciplinary research papers published by faculty members and PG/PhD students and making them available on the CISR page of the university website to support future research collaboration.

Resolution:

The committee approved the proposal and instructed departments to prepare the required course proposals and research documentation.

2. Discussion on Calendar of Activities

Dr. Yogesh V. Chimate informed the committee that he is preparing a detailed CISR activity calendar, which will be presented in the next committee meeting.

3. Budget, Resources and Infrastructure

Dr. Yogesh V. Chimate requested the Hon'ble Chairperson to allocate a dedicated space for CISR and also proposed the establishment of a Central Research Laboratory to facilitate interdisciplinary research.

4. Planning of Immediate Activities

Dr. Yogesh V. Chimate presented a proposal from AERobotz Pvt. Ltd. regarding a 3-month certification program titled "Drone Skill Development Program."

He explained the course structure, theory and practical modules, eligibility criteria, highlights and program fees.

After discussion with all committee members, it was decided to start the course from April 2026 with fees of ₹4200 per participant.

Resolution:

The committee approved the implementation of the Drone Skill Development Certification Program from April 2026.

Agenda Item No. 7: Any Other Matter with the Permission of the Chair

Dr. Yogesh V. Chimate proposed signing a Memorandum of Understanding (MoU) with AERobotz Pvt. Ltd. for academic collaboration, research activities and skill development programs.

The Hon'ble Chairperson approved the proposal to sign the MoU.

Agenda Item No. 8: Vote of Thanks

Dr. Yogesh V. Chimate proposed the vote of thanks to the Hon'ble Chairperson and all committee members for their valuable presence and constructive suggestions during the first CISR committee meeting.

Conclusion

The meeting ended at **01:45PM** with mutual consensus and appreciation.

Prepared by	**Approved by**
07/02/2026 **Member Secretary** Name: Dr. Yogesh V. Chimate Designation Director, CISR	**Chairperson** Name: Prof. (Dr.) Anilkumar S. Gupta Designation: Vice-chancellor

Enclosures:

- Attendance Sheet (Annexure-I)
- Proposal on Certification Course on "**Drone Skill Development**"

Copy To

- Office of the Hon'ble Vice-Chancellor
- Office of the Registrar
- Office of the IQAC
- Dean, School of Engineering & Technology
- Dean, School of Management

Annexure- I

CISR- COMMITTEE
Attendance Sheet

Date- 3rd February 2026 **Time- 01:15PM**

Sr. No.	Name of Faculty	Designation	Role	Signature
1.	Prof. (Dr.) Anilkumar S. Gupta	Vice-Chancellor	Chairman	Present
2.	Dr. Yogesh Chimate	Director- CISR	Member Secretary	Present
3.	Dr. Snehal Khandekar	Asst. Professor, Food Science & Tech	Member	Present
4.	Dr. Vikas Sawant	Asst. Professor Chemistry	Member	Present
5.	Dr. Sagar Chavan	Asst. Professor Agril. Engg.	Member	Present
6.	Dr. Umesh Shembade	Asst. Professor Physics	Member	**Absent**
7.	Ms. Shravani Girigosavi	Asst. Professor Management	Member	Present
8.	Mrs. Ashwini Sawant	Asst. Professor CSE	Member	Present
9.	Ms. Disha Malgavi	Asst. Professor AIML	Member	**Absent**
10.	Mrs. Ashwini Powar	Asst. Professor Data Science	Member	Present
11.	Mr. Sandip Patil	Asst. Professor Computer Application	Member	Present

AEROBOTZ
UNMANNED TECHNOLOGIES

CIN U29309PN2021PTC206817
GSTIN 27AAWCA2374C1ZJ

REF. NO. : 2025/12/03/273

DATE : 10/12/2025

To

The Director - CISR
D. Y. Patil Agriculture and Technical University, Talsande
Kolhapur, Maharashtra - 416112
director_cisr@dyp-atu.org
9960956364

Subject : Drone Skill Development Program

Dear Sir,

In today's fast-evolving technological landscape, proficiency in unmanned aerial systems has become essential for modern engineering education. With drones transforming sectors such as agriculture, surveying, defence, logistics, and infrastructure, industry-aligned training is now a necessity. With this vision, Aerobotz Unmanned Technologies Private Limited proposes a strategic collaboration with D.Y. Patil Technical Campus, Talsande to establish a comprehensive 3-Month Drone Technology Program. This initiative will provide students with structured training, advanced drone systems, simulator-based exercises, flight operations, mission planning, and real-world project experience. Through hands-on learning in design, fabrication, programming, maintenance, mapping, and data analysis, the programme will bridge the gap between academic concepts and industry requirements. Supported by Aerobotz's technical expertise, certified trainers, and continuous mentorship, it will enhance research, innovation, and multidisciplinary projects. This collaboration will position D.Y. Patil Technical Campus, Talsande as a pioneer in emerging technologies, empowering students to excel in the future of autonomous and aerial systems.

Thank you!

For Aerobotz Unmanned Technologies Private Limited,

Reju R,
Director & CEO
Call / Whatsapp +91 84858 48871

AEROBOTZ
UNMANNED TECHNOLOGIES

CIN U29309PN2021PTC206817
GSTIN 27AAWCA2374C1ZJ

SKILL DEVELOPMENT PROGRAM ON DRONE TECHNOLOGY

List of Requirements from College,

- Classroom with 60 seating capacity, Computer Lab 10-20 Seating capacity
- Digital Board + HDMI or Projector and Screen, Instructor Table and Chair
- Dedicated Storage Room for Keeping Drone & Materials & Charging (i.e., Laboratory Space)
- Ground for Flying

List of items used from Company,

- Agricultural Spraying Drone - 25 Kg Model
- Educational purpose DIY Drone Kit - 2 Kg Model, Drone Models
- Drone Simulator Controller and Software License
- Teaching Materials - PPT, Drone Components, Sensors

SCHEDULE		
Weekly Commitment	8 hours	8 hours (Sat only)
Total Duration	12 weeks	3 months
Total Course Hours	**96 hours**	8 hours x 12 weeks

Terms,

- The minimum number of candidates required is sixty (60).
- The course fee is ₹ 4,200 per candidate, payable to Aerobotz.
- Out of this amount, ₹ 2,100 per candidate (50% of the total fee) will be shared with the college.

Payment Details,

Account Name : AEROBOTZ UNMANNED TECHNOLOGIES PRIVATE LIMITED
Account Number : 0481102000005371
IFSC Code : IBKL0000481
Name of Bank : IDBI Bank
Branch : Ashta, Maharashtra

Go ahead.
03/02/21.

DETAILED BREAKDOWN OF THIS PROGRAM

Theory:

- **Introduction to Drones**
  - Introduction of Drones
  - History & Evolution of Drones
  - Career Opportunities in the Drone Industry
- **Drone Fundamentals & Applications**
  - Application of Drones
  - Classification of Drones
  - Introduction to Advanced Drone Technologies
  - Applications of Drones using IoT
  - Basics of AI/ML for Drone Operations
- **Regulations & Safety**
  - Drone Laws, DGCA Rules & Regulations
  - Drone Safety, Risk Management & Standard Operating Procedures
  - Flight Checklist
  - Weather & Environmental Considerations
- **Design & Components**
  - Aerodynamics of Drone Flight
  - Components of a Drone
  - Design Calculations of Drones
  - Material Science for Drone Construction
  - Tools for Designing Drones
  - Electronic Component Selection
  - Battery Selection and Management
  - Fundamentals of Radio Communication
- **Manufacturing & Configuration**
  - Manufacturing of Parts
  - Configuration of Drones
  - Installing Electronic Parts
  - Interface with Software and Installing Firmware
- **Navigation & Assembly**
  - Drone Navigation

- GPS/Compass Calibration
- Assembly of All Mechanical Parts

- **Operation & Maintenance**
  - How to Fly
  - Introduction to Drone Simulation & Digital Twin
  - Drone Mapping, Surveying & Photogrammetry
  - Drone Swarm Fundamentals
  - Drone Maintenance & Troubleshooting

Practical:

- **Practical Setup & Configuration**
  - Drone Assembly
  - Drone Calibration & Setup
  - Payload Handling
- **Flight Operations & Safety**
  - Simulator-Based Flying
  - Pre-Flight, In-Flight & Post-Flight Checks
  - Emergency & Safety Procedures
  - Battery Handling & Safety
- **Advanced Missions & Data**
  - Mission Planning
  - IoT & Telemetry Integration
  - Log Analysis & Troubleshooting
  - Drone Swarm Operations
  - BVLOS (Beyond Visual Line of Sight) Readiness & Compliance Practicals
- **Maintenance**
  - Drone Maintenance & Repair