

MEMORANDUM OF UNDERSTANDING
FOR ACADEMIC & RESEARCH COOPERATION
BETWEEN
BHARAT SPACE EDUCATION RESEARCH CENTRE
AND

A.M Reddy Memorial College of Engineering and Technology(AUTONOMOUS)

The Government of India, under the visionary leadership of Hon. PM Shri Narendra Modi, has initiated groundbreaking reforms in the space sector. These reforms are aimed to promoting and advancing space education, research, and development in our country. One of the notable events in this regard is National Space Day a significant milestone by successfully landing Chandrayaan-3's lander and rover on the Moon.

In this regards, Bharat Space Education Research Centre, organizes various educational programs to arouse the interest of students/ Research Scholars in space science in collaboration with the respective Universities.

Bharat Space Education Research Centre(Referred as BSERC henceforth), New Delhi, India, and A.M. Reddy Memorial College of Engineering and Technology (AMRN), AUTONOMOUS, recognize their strengths in research and education in one or more disciplines of Space Science, Engineering, Management, and Technology, and their mutual interest in engaging themselves in academic & Research cooperation.

Therefore, **Bharat Space Education Research Centre (BSERC)** and **A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS)**, agree to establish a programme for academic cooperation in areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding(MoU).

2. Objectives

This cooperation aims to promote collaboration, facilitate knowledge exchange, and provide academic and professional development opportunities. Bharat Space Education Research Centre (BSERC) and A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) agree to:

- a) Exchange information on academic programs, research initiatives, and teaching methodologies.
- b) Jointly organise workshops, seminars, training programs, student development programs, faculty development programs, and specialised initiatives such as Space Labs/ Satellite Lab/ Rocket Lab/ Remote Sensing Lab and Drone Labs, as mutually agreed upon.
- c) Collaborate on research projects funded by external agencies and invite faculty, researchers, and students to participate.
- d) Facilitate short-term student exchanges at Undergraduate, Graduate, and Doctoral levels for education, research, or skill development.
- e) Share teaching and learning resources, including scientific and technical materials, while respecting intellectual property rights.


Detailed terms and conditions for each activity will be mutually agreed upon, including technical scope, financial arrangements, and responsible personnel.

3. Joint Academic and Training Programs

Bharat Space Education Research Centre (BSERC) and A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) will collaborate to design and conduct workshops, seminars, training programs, student development programs, and faculty development programs. Specialised initiatives like Space Labs, Drone Labs, and other feasible programs will be explored to enhance practical learning and innovation in Space, Science, Computing and Technologies. The terms for participation, including roles, responsibilities, and resource allocation, will be determined through mutual consultation.



निदेशक / Director
भारत अंतरिक्ष शिक्षा अनुसंधान केंद्र
Bharat Space Education Research Centre



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4. Faculty and Researcher Engagement

Bharat Space Education Research Centre (BSERC) and A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) will encourage faculty and researchers to engage in collaborative activities, including guest lectures, joint research, and participation in academic programs. Faculty may undertake short-term visits or fixed-term assignments during vacation periods or sabbaticals.

5. Student Exchange and Development

The following principles will guide student exchange and development programs:

- a) As mutually agreed, Exchange students may participate in academic or research programs for up to one (1) academic year.
- b) A maximum students per institution per academic year may participate, subject to mutual agreement.
- c) Students will remain enrolled at their home institution and be recognized as exchange students at the host institution.
- d) Academic programs at the host institution will be designed in consultation with advisors from both institutions.
- e) The host institution will evaluate student performance and provide grades or reports, which the home institution may use to award credits or assess research outcomes.
- f) Both institutions will explore feasible subsidized housing options for exchange students.

6. Exchange of Resources

Bharat Space Education Research Centre (BSERC) and A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) will share relevant academic and research materials, including publications, curricula, and technical resources, while respecting intellectual property rights. Both institutions will explore mechanisms to facilitate resource sharing efficiently.

Scope of Academic and Research & Development: Workshop/ Training Programme/ Internship/ Research & Development of new technologies, Projects and Courses Interaction:



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Upcoming Academic Cooperation Research and Development:

- Advanced Drone Workshops: Conducting specialised workshops and intensive three-day training sessions to build practical skills in drone technology.
- Internship Programmes: Offering structured internships with defined training periods to provide hands-on experience in space technology applications.
- Space, Science, Computing & Technology Workshop/ Student Development (SDP) & Faculty Development Programmes (FDP) and Events: Organising focused one-day workshops on cutting-edge space technologies to maximise outreach and impact.
- Student Satellite Projects Workshop/ Student Development (SDP) & Faculty Development Programmes (FDP) and Events: Facilitating student-led satellite development initiatives to nurture innovation and technical expertise.
- Remote Sensing and Disaster Management Workshop/ Student Development (SDP) & Faculty Development Programmes (FDP) and Events: Advancing capabilities in remote sensing and disaster management through targeted training and awareness programmes.
- Space Entrepreneurship Workshop/ Student Development (SDP) & Faculty Development Programmes (FDP) and Events: Promoting space entrepreneurship, hosting dedicated events, and celebrating National Space Day to inspire and engage the next generation.

These initiatives align with the Government of India's vision to position the nation as a global leader in space science and innovation, fostering widespread awareness and participation in space activities.


7. Intellectual Property

Both institutions agree to respect each other's intellectual property rights. Intellectual Property Rights (IPR) arising from collaborative activities will be addressed on a case-by-case basis, consistent with the IPR policies of Bharat Space Education Research Centre (BSERC) A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS).



निदेशक / Director

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8. Coordination

Each institution will appoint a faculty member as a program coordinator to oversee the implementation of this MoU. A Coordination Committee, comprising (a) the Principal/Head of the Department (HOD) of A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) or their nominee, (b) the Director/ Secretary/ Authorised Signatory of Bharat Space Education Research Centre or their nominee, (c) the Program Coordinator from A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS), and (d) the Program Coordinator from Bharat Space Education Research Centre(BSERC), will periodically review progress and identify opportunities to enhance collaboration.

9. Tenure and Termination

This MoU shall take effect upon signing by both parties and remain valid for five (5) years, subject to renewal upon mutual agreement. Either institution may terminate the MoU with six (6) months' written notice. Upon termination, both institutions will ensure the completion of ongoing activities to avoid disruption.

10. Dispute Resolution

Any disputes arising from this MoU will be resolved through mutual consultation between the Director/ Principal/ Head of the Department(HOD) of A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS) and the Director/ Secretary/ Authorised Signatory/Head of the Department(HOD) of Bharat Space Education Research Centre(BSERC), in a spirit of cooperation and shared responsibility.

This MoU is executed in two identical copies, with each party retaining one original, duly signed by the authorised representatives of Bharat Space Education Research Centre(BSERC) and A.M. Reddy Memorial College of Engineering and Technology (AUTONOMOUS).



Director
भारत अंतरिक्ष शिक्षा अनुसंधान केंद्र
Bharat Space Education Research Centre
Dir. Rahul Singh

Signature & Stamp

Bharat Space Education Research Centre

Principal

Dr. Ch Mallikarjun

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and Technology (AUTONOMOUS)