

List of the Programmes devoted to Teaching or Research in Unique Disciplines

The proposed university seeks to attain "**Deemed to be University**" status under the "**Distinct Category**" of defence. These specialized programs bridge the gap between cutting-edge technology and the critical domains of defence, security, and strategic studies, fulfilling an unmet need in the educational landscape. By focusing on these specialized, advanced technology applications, the proposed university aims to produce a cohort of graduates who are exceptionally well-prepared to contribute to the ever-evolving requirements of defence and allied sectors, thereby earning its distinct and distinguished status in the academic world.

The introduction of specialized programs with a focus on "**Advanced technology with applications in Defence**" is of paramount significance in meeting the current educational needs of India. These programs directly address critical imperatives, such as enhancing national security and defence preparedness, leveraging technological advancements, fostering indigenous defence manufacturing, driving economic growth, ensuring global competitiveness, promoting research and development, and aligning with government initiatives like 'Make in India' and 'Atmanirbhar Bharat.' By producing a skilled workforce capable of contributing to defence technology and innovation, these programs play a pivotal role in securing India's technological self-reliance and leadership on the global stage.

The list of the programs proposed (As per approved nomenclature of courses by AICTE) are as follows:

<i>Department</i>	<i>Graduate-level Programs</i>	<i>Post-graduate-level Programs</i>	<i>Doctoral-level Programs</i>
SCHOOL OF DEFENCE ENGINEERING	Bachelor of Technology in Mechanical Engineering <i>Specialisations:</i> (1) Marine & Naval Engineering (2) Combat Vehicles (3) Electric Vehicles (4) Robotics	Master of Technology in Defence Technology <i>Specialisations:</i> (1) System Engineering (2) Ship Building (3) Combat Vehicles & Weapon Technology (4) Robotics & IoT (5) Missile Engineering (6) Weapon Engineering (7) Nuclear Engineering	PhD in Advanced Engineering Technology
	Bachelor of Technology in Aerospace Engineering <i>Specialisations:</i> (1) Structures and Design (2) Aerodynamics Engineering (3) Aerospace Propulsion	Master of Technology in Aerospace Engineering <i>Specialisations:</i> (1) Guided Missiles (2) Air Armaments and UAVs (3) Structures and Design (4) Aerodynamics Engineering (5) Aerospace Propulsion	
	Bachelor of Technology in Electronics & Communication <i>Specialisations:</i> (1) VLSI and Embedded systems (2) Avionics	Master of Technology in Advanced Electronics & Communication <i>Specialisations:</i> (1) RF and Microwave Engineering (2) Digital Signal Processing (3) VLSI and Embedded systems (4) Control Systems (5) Power Electronics (6) Radar and Communication	

<i>Department</i>	<i>Graduate-level Programs</i>	<i>Post-graduate-level Programs</i>	<i>Doctoral-level Programs</i>
		(7) Defence Electronics Systems	
<i>No. of Programs</i>	<i>3</i>	<i>3</i>	<i>1</i>
SCHOOL OF COMPUTER SCIENCE & MATHEMATICS	Bachelor of Technology in Computer Science <i>Specialisations:</i> (1) Cyber Security (2) Artificial Intelligence & Machine Learning (3) Networking (4) Mobile Computing (5) Operating Systems	Master of Technology in Computer Science <i>Specialisations:</i> (1) Quantum Computing (2) Digital Forensics (3) Cyber Security (4) Machine Learning & Artificial Intelligence (5) Networking (6) Block Chain	PhD in Computer Science
	Bachelor of Technology in Artificial Intelligence and Data Science <i>Specialisations:</i> (1) Data Analytics	Master of Technology in Artificial Intelligence and Data Science <i>Specialisations:</i> (1) Data Mining (2) Big Data Analytics (3) Modelling & Simulation	PhD in Data Science
<i>No. of Programs</i>	<i>2</i>	<i>2</i>	<i>2</i>
SCHOOL OF TECHNOLOGY MANAGEMENT & SOCIAL SCIENCE	Bachelor of Business Management in: <i>Specialisations:</i> (1) Human Resource Management (2) Finance Management (3) Marketing Management (4) International Business Management (5) Business Analytics	Master of Business Administration <i>Specialisations:</i> (1) Leadership & Human Resources (2) Project Management (3) Operations & Quality Management (4) Logistics & Supply Chain (5) Finance (6) Business Analytics (7) Marketing	PhD in Management PhD in Technology Management

<i>Department</i>	<i>Graduate-level Programs</i>	<i>Post-graduate-level Programs</i>	<i>Doctoral-level Programs</i>
		(8) Technology Management	
<i>No. of Programs</i>	<i>1</i>	<i>1</i>	<i>2</i>
SCHOOL OF INFRASTRUCTURE & SUSTAINABLE ENGINEERING	Bachelor of Technology in Civil & Infrastructure Engineering <i>Specialisations:</i> (1) Construction Engineering and Management (2) Structural Engineering (3) Modern Construction Material and Technology (4) Safety in Construction Engineering	Master of Technology in Infrastructure Engineering and Technology <i>Specialisations:</i> (1) Environmental Impact Assessment; (2) Environmental and Water Resource Engineering; (3) Geotechnical Engineering; (4) Earthquake Resistance Design of Structures; (5) Sustainable Development and Urban Planning; (6) Maintenance and Rehabilitation of Structures; (7) Disaster Mitigation and Management (8) Value Engineering; (9) Bridge Engineering	PhD in Infrastructure Engineering
<i>No. of Programs</i>	<i>1</i>	<i>1</i>	<i>1</i>
SCHOOL OF PUBLIC POLICY	Bachelor of Arts <i>Specialisations:</i> (1) Public Policy	Masters of Arts <i>Specialisations:</i> (1) Public Policy (2) Defence Studies	PhD in Public Policy
<i>No. of Programs</i>	<i>1</i>	<i>1</i>	<i>1</i>
Total No. of Programs	8	8	6