Name of the programmes along with the justification as to how these programmes fit into the Distinct category

The proposed university seeks to attain "Deemed to be University" status under the "**Distinct Category**" with UGC by offering academic disciplines that are truly unique and unparalleled in their nature. The university is committed to providing specializations in advanced technology with direct applications in defence and allied fields. 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.

Below here we have given a justification why the proposed programs need to be categorised under "**Distinct Category**".

SN	Programme	Justification
1	Bachelor of Technology in Mechanical Engineering ***Specialisations:*** (1) Marine & Naval Engineering (2) Combat Vehicles (3) Electric Vehicles (4) Robotics	This program with specializations in Marine & Naval Engineering, Combat Vehicles, Electric Vehicles, and Robotics, is uniquely focused on advanced defence technology. The program stands out for its adaptability to the ever-evolving technological landscape, offering specialized tracks in Marine & Naval Engineering, Combat Vehicles, Electric Vehicles, and Robotics.

2	Master of Technology in Defence Engineering ***Specialisations:*** (1) System Engineering (2) Ship Building (3) Combat Vehicles & Weapon Technology (4) Robotics & IoT (5) Missile Engineering (6) Weapon Engineering (7) Nuclear Engineering	The Master of Technology in Advanced Engineering program is distinguished by its wide range of specializations, offering students a unique opportunity to delve into diverse fields. With options like Ship Building, Missile Engineering, and Nuclear Engineering, students are exposed to cutting-edge technologies that are critical to various industries that have a direct application in defence.
3	Bachelor of Technology in Aerospace Engineering ***Specialisations:*** (1) Structures and Design (2) Aerodynamics Engineering (3) Aerospace Propulsion	What makes this program truly unique is its array of specialized tracks, including Structures and Design, Aerodynamics Engineering, and Aerospace Propulsion. These specializations collectively cover the entire spectrum of aerospace engineering, from the intricacies of aircraft structures to the science of aerodynamics and the mechanics of propulsion systems
4	Master of Technology in Aerospace Engineering ***Specialisations:*** (1) Guided Missiles (2) Air Armaments and UAVs (3) Structures and Design (4) Aerodynamics Engineering (5) Aerospace Propulsion	This program is a specialized discipline that stands out for its comprehensive coverage of the aerospace industry. What sets this program apart is the exceptional variety of specializations it offers, including Guided Missiles, Air Armaments and UAVs, Structures and Design, Aerodynamics Engineering, and Aerospace Propulsion. Each of these specializations addresses key aspects of aerospace technology, from the development of cutting-edge missile systems and unmanned aerial vehicles to the design of aerospace structures and aerodynamic principles governing flight.

5	Bachelor of Technology in Electronics & Communication ***Specialisations:*** (1) VLSI and Embedded systems (2) Avionics	This program is distinct with its specialized tracks, including VLSI and Embedded Systems and Avionics. VLSI and Embedded Systems delve into the intricate world of microelectronics, equipping students with the skills to design cutting-edge integrated circuits and embedded systems used in various electronic devices. On the other hand, Avionics specializes in the critical field of aviation electronics, covering the technology behind aircraft systems and communication.
6	Master of Technology in Advanced Electronics & Communication ***Specialisations:*** (1) RF and Microwave Engineering (2) Digital Signal Processing (3) VLSI and Embedded systems (4) Control Systems (5) Power Electronics (6) Radar and Communication (7) Defence Electronics Systems	The program is distinct due to its range of specializations it offers, including RF and Microwave Engineering, Digital Signal Processing, VLSI and Embedded Systems, Control Systems, Power Electronics, Radar and Communication, and Defence Electronics Systems. Each of these specializations addresses crucial aspects of electronics and communication technology, spanning from the intricacies of RF and microwave technology to the design of advanced control systems and the complex field of defence electronics.
7	Bachelor of Technology in Computer Science ***Specialisations:*** (1) Cyber Security (2) Artificial Intelligence & Machine Learning (3) Networking (4) Mobile Computing (5) Operating Systems	What makes this program unique is the comprehensive set of tracks it offers, including Cyber Security, Artificial Intelligence & Machine Learning, Networking, Mobile Computing, and Operating Systems. Each of these specializations delves into a specific facet of computer science, allowing students to develop deep expertise in areas crucial to today's technology landscape, with cross-functional applications in defence and allied sectors.

8	Master of Technology in Computer Science ***Specialisations:*** (1) Quantum Computing (2) Digital Forensics (3) Cyber Security (4) Machine Learning & Artificial Intelligence (5) Networking (6) Block Chain	With specializations like Quantum Computing, Digital Forensics, Cyber Security, Machine Learning & Artificial Intelligence, Networking, and Blockchain, this program covers an extensive spectrum of the rapidly evolving field of computer science and in applications in advanced systems and defence.
9	Bachelor of Technology in Artificial Intelligence and Data Science ***Specialisations:*** (1) Data Analytics	The data science specialization is the essence of the program, as it equips students with the comprehensive skills and knowledge needed to explore, interpret, and leverage data for valuable insights and decision-making. Data Analytics is at the core of the data science field, making it an indispensable discipline in today's data-driven world.
10	Master of Technology in Artificial Intelligence and Data Science Specialisation: (1) Data Mining (2) Big Data Analytics (3) Modelling & Simulation	What makes this program truly unique is its comprehensive specializations, including Data Mining, Big Data Analytics, and Modelling & Simulation. Each specialization delves into a critical facet of data science, equipping students with the skills and knowledge needed to navigate the complex data landscape effectively.
11	Bachelor of Business Management in: ***Specialisations:*** (1) Human Resource Management (2) Finance Management (3) Marketing Management (4) International Business Management (5) Business Analytics	This program with its unique breadth of its specializations, including Human Resource Management, Finance Management, Marketing Management, International Business Management, and Business Analytics, stands apart due to its focused approach towards defence related management skillsets.

12	Master of Business Administration ***Specialisations:*** (1) Leadership & Human Resources (2) Project Management (3) Operations & Quality Management (4) Logistics & Supply Chain (5) Finance (6) Business Analytics (7) Marketing (8) Technology Management	What makes this program distinctive is its extensive range of specializations, including Leadership & Human Resources, Project Management, Operations & Quality Management, Logistics & Supply Chain, Finance, Business Analytics, Marketing, and Technology Management. Each of these specializations is designed to cater to a specific niche of defence related technology management applications.
13	Bachelor of Technology in Civil & Infrastructure Engineering ***Specialisations:*** (1) Construction Engineering and Management (2) Structural Engineering (3) Modern Construction Material and Technology (4) Safety in Construction Engineering	Infrastructure development will be of important need for India for defence and economic growth. The program is unique with its distinctive specializations, including Construction Engineering and Management, Structural Engineering, Modern Construction Material and Technology, and Safety in Construction Engineering.
14	Master of Technology in Infrastructure Engineering and Technology ***Specialisations:*** (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	With focused approach towards defence sector related technology this program offers range of specializations, including Environmental Impact Assessment, Environmental and Water Resource Engineering, Geotechnical Engineering, Earthquake Resistance Design of Structures, Sustainable Development and Urban Planning, Maintenance and Rehabilitation of Structures, Disaster Mitigation and Management, Value Engineering, and Bridge Engineering.

15	Bachelor of Arts ***Specialisations:*** (1) Public Policy	A unique and focused discipline that offers students the opportunity to delve into the intricate world of public policy and governance. What sets this program apart is its singular specialization, which allows students to develop expertise in the crucial field of public policy.
16	Masters of Arts ***Specialisations:*** (1) Public Policy (2) Defence Studies	This is a unique and dynamic discipline that provides students with specialized knowledge in two critical areas - Public Policy and Defence Studies to develop students with a strategic understanding of India's geo-political interests.