ISSUE 2 2018-2019

Aero Newsletter

DEPARTMENT OF AERONAULTICAL ENGINEERING

Vision

The Department of Aeronautical Engineering is committed to providing quality education fostering excellence in academics, research and innovation to produce aeronautical engineers who can contribute to society on a global scale.

Mission

M1: To provide outcome-oriented learning that is based on research and innovation.
M2: To encourage cross-disciplinary learning and interaction with the global community.
M3: To enable a holistic education that is deeply rooted in social values.

EDUCATIONAL VISIT - TO RASHTRIYA ISPAT NIGAM LTD (VISAKHAPATNAM STEEL PLANT),

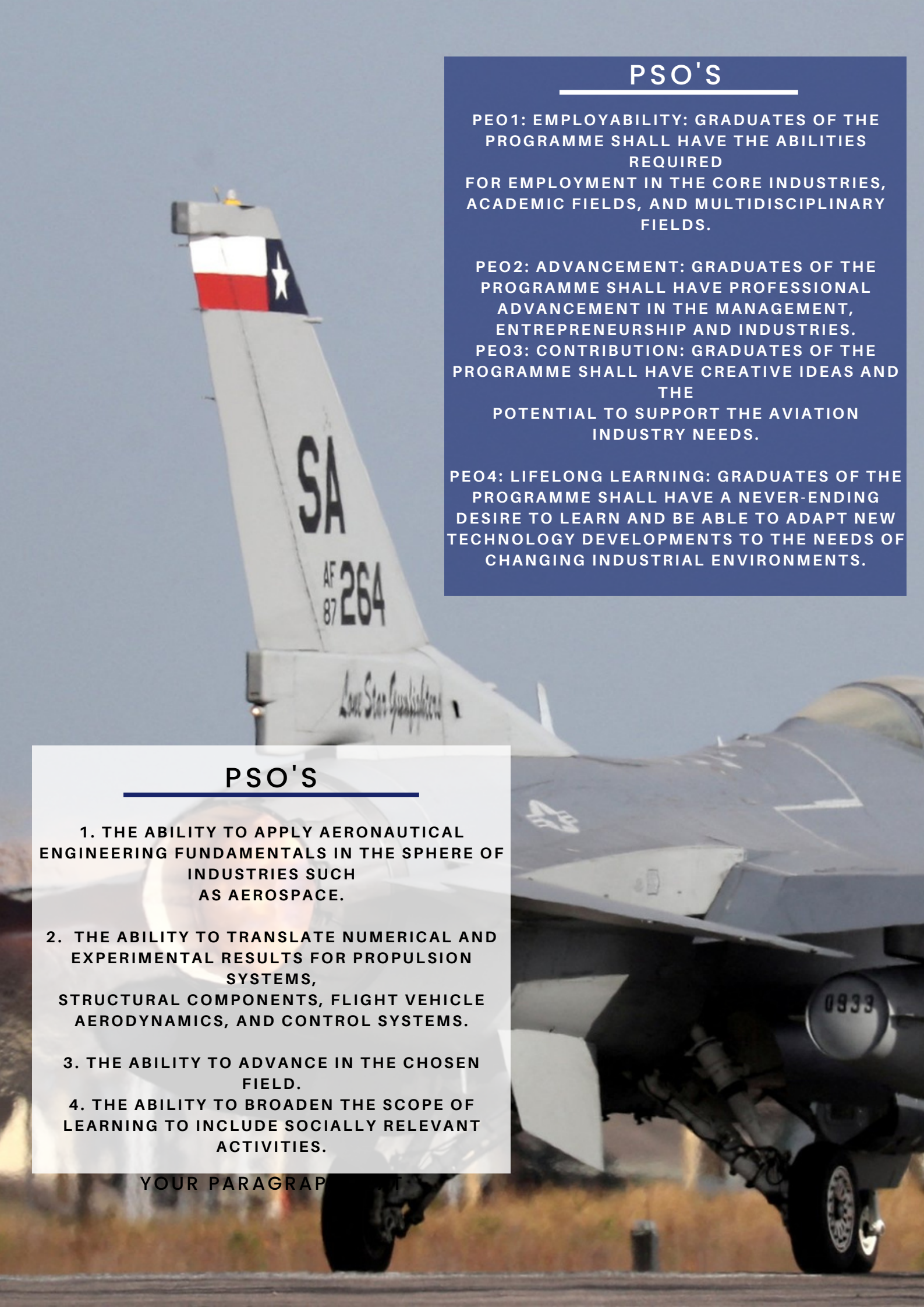
THE DEPARTMENT OF AERONAUTICAL ENGINEERING ORGANIZED AN INDUSTRIAL VISIT TO RASHTRIYA ISPAT NIGAM LTD (VISAKHAPATNAM STEEL PLANT), INS KURSURA SUBMARINE MUSEUM, TU-142 AIRCRAFT MUSEUM, VISAKHAPATNAM ON 14 -15 MARCH 2019. THE THIRD-YEAR STUDENTS OF AERONAUTICAL ENGINEERING WERE GIVEN A REAL TIME EXPOSURE IN THE FIELD OF MANUFACTURING AND PRODUCTION OF STEEL & ALLOYS.VISAKHAPATNAM STEEL PLANT, AN INTEGRATED STEEL PLANT UNDER THE CORPORATE ENTITY OF RASHTRIYA ISPAT NIGAM LIMITED (RINL), IS THE FIRST SHORE BASED INTEGRATED STEEL PLANT IN THE COUNTRY, CONSTRUCTED WITH THE THEN LATEST STATE OF THE ART TECHNOLOGY. THE PLANT WITH A RATED CAPACITY OF 6.3MT IS A PRODUCER OF STEEL PRODUCTS IN THE LONGS CATEGORY LIKE WIRE RODS, RE-BARS, ANGLES, CHANNELS, BLOOMS AND BILLETS. THE STEEL PLANT IS EQUIPPED WITH VARIOUS UNITS SUCH AS PLANT BLAST FURNACE, STEEL MELTING SHOP, COKE OVENS, ROLLING MILLS, RAW MATERIALS ETC.

THE STUDENTS WERE ALSO ACCOMPANIED TO THE INS KURSURA SUBMARINE MUSEUM AND TU -142 AIRCRAFT MUSEUM. INS KURSURA WAS INDIA'S FIFTH SUBMARINE COMMISSIONED ON 18 DECEMBER 1969 AND WAS DECOMMISSIONED ON 27 FEBRUARY 2001 AFTER 31 YEARS OF SERVICE. INS KURSURA WAS UTILIZED IN INDO-PAKISTANI WAR OF 1971. IT WAS INDEED A MOMENT OF PRIDE TO VISIT BOTH THE MUSEUMS. THE VISIT WAS ORGANIZED UNDER THE GUIDANCE OF DR. S K MAHARANA AND WAS FACILITATED BY PROF. STEFFI THANGACHAN, PROF. VENUGOPAL M M, PROF. MAHANTAYYA K H AND MS. TEJASWINI A N.

EDUCATIONAL VISIT -GOA SHIPYARD LIMITED AND INDIAN NAVAL AVIATION MUSEUM, GOA.

THE DEPARTMENT OF AERONAUTICAL ENGINEERING ORGANIZED AN INDUSTRIAL VISIT TO GOA SHIPYARD LIMITED AND INDIAN NAVAL AVIATION MUSEUM ON 3RD AND 4TH OF APRIL 2019.GOA SHIPYARD LIMITED (GSL) IS AN INDIAN GOVERNMENT OWNED SHIP BUILDING COMPANY LOCATED ON THE WEST COAST OF INDIA AT VASCO DA GAMA, GOA. OVER THE YEARS, GOA SHIPYARD LTD. GRADUALLY DEVELOPED TO MEET THE GROWING SHIPBUILDING NEEDS OF THE COUNTRY'S NAVAL DEFENCE SECTOR. AS ONE OF THE FEW INDIAN SHIPYARDS EQUIPPED WITH AN IN-HOUSE DESIGN CAPABILITY, GSL CARRIES OUT ITS OWN RESEARCH & DEVELOPMENT.

THE SECOND-YEAR STUDENTS OF AERONAUTICAL ENGINEERING WERE GIVEN A DETAILED TOUR OF GSL AND ITS ACTIVITIES. MR. PARIKSHIT & MR.MALAY RANJAN SAHU ENGINEERS AT GSL ALSO ADDRESSED THE STUDENTS ON CAREER OPPORTUNITIES IN THE FIELD OF DESIGN AND RESEARCH AT GSL. THE NAVAL AVIATION MUSEUM IS A MILITARY MUSEUM LOCATED IN BOGMALO, VASCO DA GAMA, GOA, INDIA. THIS MUSEUM SHOWCASES THE EVOLUTION OF THE INDIAN NAVAL AIR ARM OVER DECADES. THE NAVAL AVIATION MUSEUM IS THE ONLY OF ITS KIND IN ASIA. THE VISIT WAS ORGANIZED UNDER THE GUIDANCE OF DR.S K MAHARANA AND WAS FACILITATED BY PROF. STEFFI THANGACHAN. THE STUDENTS WERE ACCOMPANIED BY PROF. MAHANTAYYA K H, PROF.SOMASHEKAR V, PROF.VARSHA N AND MS. TEJASWINI T N.



PSO'S

PEO1: EMPLOYABILITY: GRADUATES OF THE PROGRAMME SHALL HAVE THE ABILITIES REQUIRED
FOR EMPLOYMENT IN THE CORE INDUSTRIES, ACADEMIC FIELDS, AND MULTIDISCIPLINARY FIELDS.

PEO2: ADVANCEMENT: GRADUATES OF THE PROGRAMME SHALL HAVE PROFESSIONAL ADVANCEMENT IN THE MANAGEMENT, ENTREPRENEURSHIP AND INDUSTRIES.

PEO3: CONTRIBUTION: GRADUATES OF THE PROGRAMME SHALL HAVE CREATIVE IDEAS AND THE
POTENTIAL TO SUPPORT THE AVIATION INDUSTRY NEEDS.

PEO4: LIFELONG LEARNING: GRADUATES OF THE PROGRAMME SHALL HAVE A NEVER-ENDING DESIRE TO LEARN AND BE ABLE TO ADAPT NEW TECHNOLOGY DEVELOPMENTS TO THE NEEDS OF CHANGING INDUSTRIAL ENVIRONMENTS.

PSO'S

1. THE ABILITY TO APPLY AERONAUTICAL ENGINEERING FUNDAMENTALS IN THE SPHERE OF INDUSTRIES SUCH
AS AEROSPACE.

2. THE ABILITY TO TRANSLATE NUMERICAL AND EXPERIMENTAL RESULTS FOR PROPULSION SYSTEMS,
STRUCTURAL COMPONENTS, FLIGHT VEHICLE AERODYNAMICS, AND CONTROL SYSTEMS.

3. THE ABILITY TO ADVANCE IN THE CHOSEN FIELD.
4. THE ABILITY TO BROADEN THE SCOPE OF LEARNING TO INCLUDE SOCIALLY RELEVANT ACTIVITIES.

YOUR PARAGRAP