

20<sup>th</sup> March 2024

## TO WHOM IT MAY CONCERN

This is to certify that **Mr H S S M Hewawasam** under graduate of University of Moratuwa, Sri Lanka, has participated in an Internship Programme at Aircraft Maintenance Department, SriLankan Airlines, Sri Lanka from 05th December 2023 to 04th March 2024.

**Mr H S S M Hewawasam** covered the following areas during his Internship Programme.

### ➤ Safety Procedures

- Adherence to personal protective equipment protocols.
- Strict compliance with organizational manuals and standard operating procedures.
- Application of material safety data sheets when handling chemicals.

### ➤ New Projects and Tasks

- Assisted in developing an optimized forecast for C-checks for the entire Sri Lankan Airlines fleet for 2024-25.

### ➤ 3D Modelling / 2D Drawing:

- Assisted in creating a 3D Solid Works model for a thermal fuse plug test bench.
- Assisted in creating a 3D Solid Works model for a tire inflation cage.
- Assisted in creating a 2D Auto CAD drawing for a carbon-fiber storage compartment.

### ➤ Awareness of Aviation Regulations and Legislation

- Familiarity with ICAO standards.
- Knowledge of CAASL standards.
- Understanding of EASA Part 145 and 147 approvals for Sri Lankan Airlines.
- Awareness of the roles of AMO, CAMO, and AMTO in the aviation industry.

### ➤ Engineering Planning

- Proficient in scheduling preventive, predictive, and corrective maintenance programs.
- Expertise in forecasting and preparing timelines for routine maintenance, including A-checks and C-checks.
- Competence in time management and human resources management.

### ➤ Avionics Workshop:

- Assisted in conducting periodical checks and overhauls of aircraft Ni-Cd batteries.
- Assisted in performing maintenance and repairs on aircraft galley chillers.
- Familiarity with VHF/UHF communication systems of aircraft.

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➤ **Engine Module Workshop**

- Familiarity with Trent-700, CFM 56-5B, CFM LEAP-1A engines.
- Assisted in conducting borescope inspections of turbines.

➤ **Composite and Paint Workshop**

- Identified properties of sandwich panels and monolithic structures conducted defect-detecting tests on composite structures.
- Assisted in replacing honeycomb cores of sandwich panels in the A330 aircraft galley.

➤ **NDT Workshop**

- Hands-on experience with non-destructive tests such as liquid penetrant inspection, magnetic particle inspection, eddy current tests, ultrasonic tests, radiography, and thermography.

➤ **Wheels and Brakes Workshop**

- Assisted in Overhauling A330 and A320 aircraft landing gear wheels.
- Assisted in repairing and maintained aircraft hydraulically actuated disc brake units.
- Conducted condition monitoring of tapered roller bearings.

➤ **Safety Workshop**

- Maintenance and repair of aircraft safety equipment.

➤ **Accessories Workshop**

- Assisted in repairing pneumatic valves and power drive units.

➤ **Aircraft Structure Workshop**

- Assisted in conducting structural repairs for skin, stringers, and frames.

➤ **Seat and Fabrics Workshop**

- Learned about aircraft interior user-friendly design based on ergonomics.

➤ **Statistical Data Interpretation**

- Proficient in Microsoft Excel.

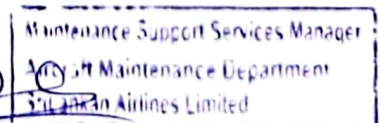

➤ **IT Training**

- Received training related to information security within the organization and engineering safety.

This letter is issued upon Mr H S M Hewawasam request.



Dulari Dahanayake  
Manager Resourcing and HR Development  
Human Resources Department



Lashantha Perera  
Maintenance Support Services Manager  
Aircraft Maintenance Department