

Silver Oak College Of Aviation Technology (SOCAT)
Aircraft Maintenance Engineering
Syllabus: Mechanical (B1.1)

FIRST SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	10	Aviation Legislation-1	150 Hours
02.	8	Basic Aerodynamics	50 Hours
03.	3	Electrical Fundamentals-1	60 Hours
Total Hours Allotted(Theory)			260 Hours
Practical Training			
01.	8	Basic Aerodynamics	25 Hours
02.	3	Electrical Fundamentals-1	25 Hours
Total Hours Allotted(Practical)			50 Hours
Total Hours Covered(Theory & Practical)			310 Hours

SECOND SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	10	Aviation Legislation-2	70 Hours
02.	3	Electrical Fundamentals-2	60 Hours
03.	9	Human factor	70 Hours
04.	6	Materials & Hardware-1	90 Hours
Total Hours Allotted(Theory)			290 Hours
Practical Training			
01.	6	Materials & Hardware-1	40 Hours
02.	3	Electrical Fundamentals-2	25 Hours
Total Hours Allotted(Practical)			65 Hours
Total Hours Covered(Theory & Practical)			355 Hours

THIRD SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	6	Materials & Hardware-2	80 Hours
02.	7	Maintenance Pactices-1	80 Hours
03.	4	Electronics Fundamentals	50 Hours
Total Hours Allotted(Theory)			210 Hours
Practical Training			
01.	6	Materials & Hardware-2	30 Hours
02.	7	Maintenance Pactices-1	50 Hours
03.	4	Electronics Fundamentals	30 Hours
Total Hours Allotted(Practical)			110 Hours
Total Hours Covered(Theory & Practical)			320Hours

FOURTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	7	Maintenance Practices-2	70 Hours
02.	5	Digital Techniques Electronic Instrument System	100 Hours
03.	11 A	Turbine Aeroplane, Aerodynamics, Structures & Systems-1	40 Hours
Total Hours Allotted(Theory)			210 Hours
01.	7	Maintenance Practices-2	50 Hours
02.	5	Digital Techniques Electronic Instrument System	70 Hours
03.	11 A	Turbine Aeroplane, Aerodynamics, Structures & Systems-1	30 Hours
Total Hours Allotted(Practical)			150 Hours
Total Hours Covered(Theory & Practical)			360 Hours

FIFTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	11A	Turbine Aeroplane, Aerodynamics, Structures & Systems-2	90 Hours
02.	15	Gas Turbine Engine	90 Hours
03.	17A	Propeller	40 Hours
Total Hours Allotted(Theory)			220 Hours
Practical Training			
01.	11A	Turbine Aeroplane, Aerodynamics, Structures & Systems-2	60 Hours
02.	15	Gas Turbine Engine	50 Hours
03.	17 A	Propeller	30 hours
03	PRACTICAL TRAINING AT LIVE WORKING ENVIRONMENT		170 hours
Total Hours Allotted(Practical)			310 Hours
Total Hours Covered(Theory & Practical)			530 Hours

SIXTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	11A	Turbine Aeroplane, Aerodynamics, Structures & Systems-3	120 Hours
02.	15	Gas Turbine Engine	90 Hours
Total Hours Allotted(Theory)			210 Hours
Practical Training			
01.	11A	Turbine Aeroplane, Aerodynamics, Structures & Systems-3	100 Hours
02.	15	Gas Turbine Engine	55 Hours
03.	PRACTICAL TRAINING AT LIVE WORKING ENVIRONMENT		160 Hours
Total Hours Allotted(Practical)			315 Hours
Total Hours Covered(Theory & Practical)			525 Hours