

Silver Oak College Of Aviation Technology (SOCAT)
Aircraft Maintenance Engineering
Syllabus: Avionics (B2)

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	30 Hours
Total Hours Allotted(Practical)			55 Hours
Total Hours Covered(Theory & Practical)			315 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	50 Hours
Total Hours Allotted(Theory)			250 Hours
Practical Training			
01.	6	Materials & Hardware-1	35 Hours
02.	3	Electrical Fundamentals-2	30 Hours
Total Hours Allotted(Practical)			65 Hours
Total Hours Covered(Theory & Practical)			315 Hours

THIRD SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	6	Materials & Hardware-2	50 Hours
02.	7	Maintenance Practices	90 Hours
03.	4	Electronics Fundamentals-1	60 Hours
Total Hours Allotted(Theory)			200 Hours
01.	6	Materials & Hardware-2	35 Hours
02.	7	Maintenance Practices-1	80 Hours
03.	4	Electronics Fundamentals-1	50 Hours
Total Hours Allotted(Practical)			165 Hours
Total Hours Covered(Theory & Practical)			365 Hours

FOURTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	4	Electronics Fundamentals-2	50 Hours
02.	5	Digital Techniques Electronic Instrument System	220 Hours
Total Hours Allotted(Theory)			270 Hours
01.	4	Electronics Fundamentals-2	50 Hours
02.	5	Digital Techniques Electronic Instrument System	140 Hours
Total Hours Allotted(Practical)			190 Hours
Total Hours Covered(Theory & Practical)			460 Hours

FIFTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	13	Aircraft Aerodynamics, Structures & Systems-1	160 Hours
02.	14	Propulsion	40 Hours
Total Hours Allotted(Theory)			200 Hours
Practical Training			
01.	13	Aircraft Aerodynamics, Structures & Systems-1	80 Hours
02.	14	Propulsion	25 Hours
03.	PRACTICAL TRAINING AT LIVE WORKING ENVIRONMENT		170 hours
Total Hours Allotted(Practical)			275 Hours
Total Hours Covered(Theory & Practical)			475 Hours

SIXTH SEMESTER			
Sr. No.	Module No.	Module Name	Hours Allotted
01.	13	Aircraft Aerodynamics, Structures & Systems-2	220 Hours
Total Hours Allotted(Theory)			220 Hours
Practical Training			
01.	13	Aircraft Aerodynamics, Structures & Systems-2	90 Hours
02.	PRACTICAL TRAINING AT LIVE WORKING ENVIRONMENT		160 Hours
Total Hours Allotted(Practical)			250 Hours
Total Hours Covered(Theory & Practical)			470 Hours