



DEPARTMENT OF AEROSPACE ENGINEERING

CURRICULLUM FOR B. TECH. 2011-2015 BATCH

Semester 1 & 2

(Common to all branches)

Credits (Ist yr): 51

Semester 3

Code	Name of the Subject	Credits	Page No.
09ME201	Engineering Mechanics	3:0:0	
09CE245	Mechanics of Solid	3:1:0	
11MA208	Complex Analysis, Statistics, Z Transform	4:0:0	
09ME202	Engineering Thermodynamics	3:1:0	
09CE242	Fluid mechanics & Machinery	3:1:0	
11AE201	Introduction to Aerospace Engineering	4:0:0	
Practical			
11ME210	Engineering Drawing Lab	0:0:2	

Credits: 25

Semester 4

Code	Name of the Subject	Credits	Page No.
10EN203	Advanced English	2:0:0	
09ME203	Thermal Engineering	3:1:0	
11MA209	Fourier Series, Transforms & PDE	3:1:0	
11AE205	Aerodynamics	4:0:0	
10VE201/202	Value Education	2:0:0	
11AE202	Aircraft structures	3:1:0	
09EC235	Electronics & Micro-processors	4:0:0	
Practical			
09ME209	Machine Drawing	0:0:2	
09CE246	Strength of Materials Lab	0:0:1	
09ME210	Thermal Engineering Lab	0:0:1	

Credits: 28

Semester 5

Code	Name of the Subject	Credits	Page No.
09MS209	Managerial Skill	2:0:0	
10ME205	Finite Element Analysis	3:1:0	
09MA204	Computer Literacy with Numerical Methods	3:1:0	
09AE207	Gasdynamics	4:0:0	
11AE 204	Flight Mechanics and Performance	4:0:0	
09ME204	Heat and Mass Transfer	3:1:0	
Practical			
11AE203	Aircraft Structures Laboratory	0:0:2	
09AE206	Aerodynamics Lab	0:0:2	

Credits: 26

Semester 6

Code	Name of the Subject	Credits	Page No.
10ME203	Computational Fluid Dynamics	3:1:0	
09AE208	Space Dynamics	4:0:0	
09AE209	Aircraft Propulsion	4:0:0	
10MS201	Engineering Project Costing	2:1:0	
10MS202	Business Environment	2:0:0	
	Free Elective I	3:0:0	
	Free Elective II	3:0:0	
Practical			
09AE210	Propulsion Lab	0:0:1	
09ME216	CAD Lab	0:0:1	

Credits: 25

Semester 7

Code	Name of the Subject	Credits	Page No.
11ME201	Personal Management and Industrial Relations	3:0:0	
09AE211	Advanced Propulsion Systems	4:0:0	
09AE214	Navigation, Guidance and Control	4:0:0	
09AE212	Instrumentation and Control Systems	4:0:0	
	Free Elective III	3:0:0	

Practical			
11AE206	Aircraft/Launch vehicle Design Project	0:0:4	
09AE218	CFD Lab	0:0:2	
09AE213	Instrumentation and Control Lab	0:0:2	

Credits: 26

Semester 8

Course Name	Credits
Project 1	0:0:20
OR	
Project 2	0:0:12
Elective 1	4:0:0
Elective 2	4:0:0

Credits: 20

Total Credits: 201