

भारतीय प्रौद्योगिकी संस्थान मुंबई

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

पवई / Powai, मुंबई / Mumbai 400 076



Roll Number:

Name of the Student:

08001021

THAMMISETTY DEVAKUMAR

Academic Unit: Joining Month &Year: Aerospace Engineering

July 2008

Code N	ame	Cre	dits	Tag	Grade	Code Name	redits	Tag	Grade
	Aca	demic '	Year:	2008	- 2009,	Term: Semester Autumn	muni		
CS 101 C	omputer Programming and Utilization	6	5.0	MA	BB	NC 101 N C C	0.0	MA	PP
4S 101 E		6	5.0	MA	AB	PH 103 Electricity &Magnetism	6.0		BC
1A 105 C	alculus	8	3.0	MA	ВС	PH 117 Physics Lab	3.0		AB
ME 119 E	ngineering Graphics &Drawing	5	5.0	MA	BB	A IN MATING THE THE MISSING ASSESSMENT OF THE			
SPI= 7.85	/10					CPI=7.85/10			
	Aca	demic \	Year:	2008	- 2009,	Term: Semester Spring		107	
E 152 I	ntroduction to Aerospace Engg.	8	3.0	MA	AB	MA 106 Linear Algebra	4.0	MA	AA
CH 103 CH	hemistry	6	6.0	MA	AB	MA 108 Differential Equations	4.0	MA	AA
CH 117 CH	hemistry Lab	3	3.0	MA	BB	ME 113 Workshop Practice	4.0	MA	AA
	ata Analysis and Interpretation	- 6	5.0	MA	CC	NC 102 N C C	0.0	MA	PP
SPI=8.74	/10					CPI=8.30/10			
	Aca	demic \	Year:	2009	- 2010,	Term: Semester Autumn	telegrila e		
E 207 I	ntroduction to Engineering Design	6	5.0	MA	AB	IC 211 Experimental and Measurement Laboratory	4.0	MA	AA
	olid Mechanics	8	3.0	MA	AA	MA 207 Differential Equations II	4.0	MA	BC
	erospace Mesaurement Laboratory	4	1.0	MA	ВВ	MA 419 Basic Algebra	8.0	AL	DD
E 101 In	ntroduction to Electrical and Electron ircuits	nics 8	3.0	MA	ВС	Vac.			
PI=8.53	/10					CPI=8.38/10			
	Acad	demic \	Year:	2009	- 2010,	Term: Semester Spring	Hinda o		
E 214 TI	hermodynamics	6	5.0	MA	BB	AE 220 Aerospace Structural Mechanics	8.0	MA	AB
E 216 F	luid Mechanics	8	3.0	MA	AB	AE 230 Modeling and Simulation Laboratory	5.0	MA	AB
E 219 St	upervised Learning	6	6.0	AL	AA	MA 214 Introduction to Numerical Analysis	8.0	MA	AB
SPI=8.83	/10					CPI=8.49/10			
	Acad	demic)	Year:	2010	- 2011,	Term: Semester Autumn			
E 308 C	ontrol Theory	6	6.0	MA	AA	AE 411 Control Systems Laboratory	3.0	MA	AB
E 314 A	ircraft Structures Laboratory	5	5.0	MA	AB	AE 419 Supervised Learning	6.0	MA	AA
E 329 Pr	ropulsion	8	3.0	MA	AA	AE 625 Particle Methods for Fluid Flow	6.0	но	AB
E 333 A	erodynamics	6	5.0	MA	BB	Simulation			
						HS 303 Psychology	6.0	MA	CD
PI= 8.75	/10					CPI=8.55/10			
	Acad	demic \	Year:	2010	- 2011,	Term: Semester Spring	FIRE NO.		
E 305 F	light Mechanics II	6	0.6	MA	AB	AE 338 Space Flight Mechanics	6.0	MA	AA
E 310 Er	ngineering Design Optimization	6	6.0	MA	AB	AE 493 BTP - I	6.0	AL	AB
E 312 A	erodynamics Laboratory	5	6.0	MA	AB	MA 522 Fourier Analysis and Applications	8.0	MA	AA
E 316 A	ircraft Propulsion Laboratory	5	6.0	MA	AA				
PI= 9.53	/10					CPI=8.71/10			
	Acad	demic \	Year:	2011	- 2012,	Term: Semester Autumn	HIMOLE)AG Y	BUSA
E 320 C	omputational Fluid Dynamics	6	6.0	MA	AA	AE 494 BTP - II	12.0	AL	AA
E 332 A	ircraft Design	6	6.0	MA	BB	AE 651 Aerodynamics of Compressors and Turbine	s 6.0	НО	AB
	oftware Development Techniques for ngineering and Scientists	6	6.0	MA	AA	AE 695 State Space Methods for Flight Vehicles	6.0	MA	AA
	/10					CPI=8.79/10			

CONTINUED

Online Verification URL: https://portal.iitb.ac.in/verify

Page: 1/2

Verification Ticket Number: 66 CE27 7390 8452 4201



भारतीय प्रौद्योगिकी संस्थान मुंबई

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

पवई / Powai, मुंबई / Mumbai 400 076



THAMMISETTY DEVAKUMAR Name of the Student:

Code Name	Credits	Tag Gr	ade	Code	Name			Credits	Tag Gr	ade
	Academic Yea	r: 2011	- 20	12, Teri	n: Semester Spr	ing		-1-1-1		3/
AE 417 Aircraft Design Lab.	4.0	MA BB	3	ES 200	Environmental	Studies:	Science and	3.0	MA BB	3
AE 455 Introduction to Aeroelasticity	6.0	HO AB	1		Engineering					
AE 616 Gas Dynamics	6.0	HO BE	3	HS 200	Environmental	Studies		3.0	MA CC	2
AE 690 Control System Design Techniques	6.0	HO AA		SC 612	Introduction t Beyond	to Linear	Filtering and	6.0	MA BB	3
SPI=7.63/10				CPI=8.	72/10					
Mandatory Course Credits (MA)		254.0		Overall	CPI			=	8.72/10	
Overall Credits Completed		316.0								
Overall Grade Points		2751.0								

Final Result

The student has completed the academic requirements of the programme in the month of May 2012 for the award of Bachelor of Technology in Aerospace Engineering with Honours Signature &Seal of Transcript Issuing Authority:

Joint/Assistant Registrar (Academic), LT Bombay
Date: 13-December-2017 | Asstt. Registrar (Academic) Indian Institute of Technology Bombay

Powat, Mumbai - 400 076.

General Information

Place: Mumbai

The medium of instruction at the Institute is English.

Course credits and grade: Each course is associated with credits which are an indicator of its relative weight in calculating the academic performance. A two-letter grade is awarded to students on the basis of their performance in examinations and assignments of a specific course. The letter grades have numerical equivalents on a 0-10 scale as given below.

Letter Grade	AP	AA	AB	вв	вс	СС	CD	DD	FF	FR	W	DX	PP	NP	AU
Numerical Equivalent	10	10	9	8	7	6	5	4	0	0	-	-	_	-	-

FF: Fail, FR: Fail and repeat, W: Withdrawn, DX: Insufficient attendance, AU: Satisfactory performance in an audit course, PP: Pass, NP: Not Pass. The minimum passing grade in a course is DD. The grade AP is awarded to students with exceptional performance in core courses of a programme. Numerical equivalents of letter grades are referred to as grade points.

The numerical grade points are not convertible into marks or percentages.

Performance Indicators: The performance of a student in a semester is given by a number called the Semester Performance Index (SPI), which is the weighted average of the earned grade points in the courses during the semester.

If a student has courses with credits C_1 , C_2 ,..., C_n , with grade points of G_1 , G_2 ,..., G_n respectively, then

Semester Credits = C₁ + C₂ + ... + C_n. Semester Grade Points = C₁G₁ + C₂G₂ + ... + C_nG_n. SPI = Semester Grade Points ÷ Semester Credits.

Cumulative Performance Index (CPI) is the weighted average of the grade points in the courses in all semesters. The indices SPI and CPI are calculated upto two decimal places

Courses are tagged as MA: Mandatory (Core/Elective), MI: Minor, HO: Honours, AL: Additional Learning, AU: Audit

- Each degree programme has mandatory credits consisting of core courses, elective courses, and non credit courses. These courses are tagged as MA.
- For calculation of SPI and CPI, grades obtained only in mandatory courses (MA) are considered.
- Students can supplement the learning experience by crediting additional courses. Credits earned in these courses, when appropriate, can earn additional credentials either in the form of "Honours" (H0) in the chosen discipline or "Minor" (MI) in another discipline or both.
- "Honours" is not indicative of proficiency, and can be earned by completing the additional prescribed set of advanced core and elective courses in the chosen discipline. "Minor" can be earned by completing the prescribed set of courses in a discipline other than the chosen discipline. Additional courses that are not used for earning "Honours" or "Minor" are tagged as "Additional Learning" (AL).
- The AU is awarded based on satisfactory attendance and fulfilling the minimum requirements as set by the course instructor. It carries no grade points and does not figure in SPI or CPI calculations.
- PP or NP is awarded in some credit courses that are not earmarked with a letter grade. Correspondingly, PP/NP does not carry a grade point.

After successful completion of the programme, the degree is awarded without any mention of Class or Rank. However, CPI of 6.5 and above may be considered as equivalent to First Class.

The veracity of this document can be ascertained by using the verification ticket number in the URL given at the bottom of this page.

END OF TRANSCRIPT Roll Number: 08001021

Verification Ticket Number: 66 CE27 7390 8452 4201 Online Verification URL: https://portal.iitb.ac.in/verify Page: 2/2