



भारतीय प्रौद्योगिकी संस्थान मुंबई  
INDIAN INSTITUTE OF TECHNOLOGY BOMBAY  
पवई / Powai, मुंबई / Mumbai 400 076



Date of Issue : 21-April-2021 , liable to change since student has not yet graduated

Roll Number: 193010021 Academic Unit: Aerospace Engineering  
Name of the Student: Diwanji Srinivas Prakash Discipline/Specialization: Aerospace Propulsion  
Programme: Master of Technology (M.Tech) Joining Month & Year: July 2019

Code	Name	Credits	Tag	Grade	Code	Name	Credits	Tag	Grade
<b>Academic Year: 2019 - 2020, Term: Semester Autumn</b>									
AE 607	Aerospace Propulsion Laboratory	4.0	MA	AA	AE 707	Aerodynamics of Aerospace Vehicles	6.0	MA	AA
AE 616	Gas Dynamics	6.0	AL	AA	AE 711	Aircraft Propulsion	6.0	MA	AA
AE 651	Aerodynamics of Compressors and Turbines	6.0	MA	AA	AE 792	Communication Skills -II	4.0	MA	PP
AE 705	Introduction to Flight	6.0	MA	BB	HS 791	Communication Skills -I	2.0	MA	PP
SPI= 9.57/10					CPI= 9.57/10				

<b>Academic Year: 2019 - 2020, Term: Semester Spring</b>									
AE 622	Computing of High Speed Flows	6.0	MA	BB	AE 717	Aircraft Flight Dynamics	6.0	AL	BC
AE 694	Seminar	4.0	MA	AA	GNR630	Introduction to Geospatial Technologies	6.0	MA	PP
AE 706	Computational Fluid Dynamics	6.0	MA	PP	ME 724	Essentials of Turbulence	6.0	MA	AA
AE 708	Aerospace Propulsion	6.0	MA	BC					
SPI= 8.64/10					CPI= 9.16/10				

<b>Academic Year: 2020 - 2021, Term: Semester Project*</b>									
AE 796	I Stage Project	42.0	PR	AB					

<b>Academic Year: 2020 - 2021, Term: Semester Autumn</b>									
AE 617	Numerical Methods for Conservation Laws	6.0	MA	AA					
SPI= 10.00/10					CPI= 9.14/10				

Mandatory Course Credits (MA)	= 56.0	CPI (Courses)	= 9.25/10
Project Credits (PR)	= 42.0		
Net Mandatory Credits (MA+PR)	= 98.0	CPI (Overall)	= 9.14/10
Overall Completed Credits	= 98.0		
Overall Grade Points	= 896.0		

**Current Status**

The academic requirements for the degree are yet to be completed.

CONTINUED



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Name of the Student: Diwanji Srinivas Prakash

Roll Number: 193010021

**General Information**

The medium of instruction at the Institute is English.

Course credits and grade: Each academic course is associated with a credit which is an indicator of its relative academic 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	BB	BC	CC	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  $C_1, C_2, \dots, C_n$ , with grade points of  $G_1, G_2, \dots, G_n$  respectively, then

Semester Credits = $C_1 + C_2 + \dots + C_n$	Semester Grade Points = $C_1 G_1 + C_2 G_2 + \dots + C_n G_n$	SPI = Semester Grade Points ÷ Semester Credits.
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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.

\*The project grades are included for calculation of overall CPI which is shown in the CPI (Overall).

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" (HO) 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.

The Institute does not award any class or division. Notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage.

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END OF TRANSCRIPT

Roll Number: 193010021