



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI COLLEGE OF ENGINEERING
(Approved by A.I.C.T.E., New Delhi & Govt. of Maharashtra, Affiliated to R.T.M. Nagpur University, Nagpur)
Priyadarshini Campus, Near CRPF Campus, Hingna Road, Nagpur - 440 019, Maharashtra (India)
Ph. :+91-07104-299681 Fax : +91-07104-299648
E-mail : principal.pce.ngo@gmail.com Website : www.pcenagpur.edu.in



AICTE ID No. 1-5435581; DTE CODE No. - 4123; UNIVERSITY CODE No. 278

PCE/2023-24/Acad/Tran/ 3781

Date : 20/04/2024

**OFFICIAL TRANSCRIPTS
OF
(SUKANYA AJIT DHAWADE)**

**BACHELOR OF TECHNOLOGY
(AERONAUTICAL ENGINEERING)**

(2020-2024)

Principal
Priyadarshini College of Engg.
Hingna Road,
Nagpur – 440 019
Maharashtra, INDIA



Asst. Registrar
Priyadarshini College of Engg.
Hingna Road,
Nagpur – 440 019
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TRANSCRIPT CERTIFICATE

This is to certify that **Ms. Sukanya Ajit Dhawade**, is a bonafide student of Priyadarshini College of Engineering, from **2020-2024** in the Bachelor of Technology (B. Tech.) degree course of **Aeronautical Engineering** by R.T.M. Nagpur University.

She will complete the four years program towards a Bachelor of Technology Degree in **Aeronautical Engineering, in the year Summer-2024.**

The following is the detailed teaching and examination scheme prescribed by R.T.M. Nagpur University, Nagpur, Maharashtra, India, for the degree course in **Aeronautical Engineering** along with performance of **Ms. Sukanya Ajit Dhawade** in this course.

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PCE/2023-24/Acad/Tran/

Date : 20/04/2024

To,

The International Graduate Admissions Office,

Dear Sir or Madam,

Subject: - Official Transcript of Ms. Sukanya Ajit Dhawade is applying for Masters in your institute. Enclosed herewith are her transcripts.

To facilitate the review of her application, here is a brief summary of the salient features of our institute. **Priyadarshini College of Engineering, Nagpur** is a leading education institute not only in the state of Maharashtra but also in India. It is one of the highest ranked colleges among those affiliated to R.T.M. Nagpur University. Admission to the undergraduate program is selective and is awarded on the basis of marks obtained in Physics, Mathematics as compulsory subjects along with one of the Chemistry or Biology or Biotechnology or Technical or Vocational subjects at the class 12th examination and admission is also granted on the basis of marks obtained in a three years' diploma course. The undergraduate B. Tech. course is spread over a period of four years for students admitted on the basis of their 12th examination marks and three years for students admitted on Diploma basis. The language of instruction during this four-year degree program is English. The university has a Semester pattern of examination. R.T.M. Nagpur University conducts examinations for all years. The college offers B.E. / B. Tech. course in-

1. **Aeronautical Engineering**
2. Artificial Intelligence & Data Science
3. Biotechnology
4. Chemical Engineering
5. Civil Engineering
6. Computer Science & Engineering
7. Computer Technology
8. Electrical Engineering (Electronics & Power)
9. Electronics & Communication Engineering
10. Electronics & Telecommunication Engineering
11. Industrial IoT
12. Information Technology
13. Mechanical Engineering
14. Robotics & Artificial Intelligence

R.T.M. Nagpur University considers a quantitative system to evaluate the performance of a student. The overall percentage of marks obtained by a student in each academic year is graded as-

Percentage of Marks

75% and above
60% to 75%
Less than 60%

Class

First division with distinction
First Division
Second Division



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Calculating SGPA and CGPA

- The grades upto "CD" awarded to student in all the courses shall be converted into a Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

$$SGPA = \frac{\sum_{i=1}^n C_i \times P_i}{\sum (C_i)} = S_m$$

Where: S_m = SGPA of m^{th} Semester; C_j = Credit of i^{th} Course

- C_i = The number of credits offered in the i^{th} Course of a semester for which SGPA is to be calculated
- P_i = Grade point earned in the i^{th} Course.
- i = 1,2,..... n represent the number of courses in which a student is registered in the concerned semester.

SGPA is rounded upto two decimal places and SGPA shall not exceed 10.

The CGPA shall be calculated based on SGPA of VIIth semester and the SGPA of VIIIth semester taken together as per formula (II)

$$CGPA = \frac{\sum_{i=1}^n C_i \times P_i}{\sum (C_i)} = S_m \quad \frac{\sum_{i=1}^n C_i \times P_i}{\sum (C_i)} = S_m$$

Where:

- C_j = The number of credits offered in the j^{th} course up to the semester for which CGPA is to be calculated.
- P_j = Grade Point earned in the j^{th} course.
- j = 1,2,..... m represents the number of courses in which a student is registered up to the semester for which CGPA is to be calculated.

- iv) Incentive credits to the students participating in NCC / NSS / Game & Sports / Cultural Activities / Curricular and Co-Curricular Activities will be awarded as per the University prevailing ordinance.

The class / division in academic performance of the student for the complete duration of program to be classified as follows:

- First Class with distinction : CGPA 7.5 and above
- First Class : CGPA 6.0 and above, but less than 7.5, and
- Second Class : CGPA less than 6.0



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- As per requirements, the conversion of the performance index CGPA into equivalent percentage of marks, the formula shall be used is

$$\text{Equivalent \%} = (\text{CGPA}) \times 10$$

Award of Grades for Theory Courses Subject carrying Maximum 100 marks	
Marks Range	Grade
$X \geq 90$	AA
$91 > X \geq 85$	AB
$85 > X \geq 76$	BB
$76 > X \geq 66$	BC
$66 > X \geq 56$	CC
$56 > X \geq 45$	CD
$X < 45$	FF
Absent	ZZ

X = Marks obtained out of 100

Award of Grades for Theory Courses Subject carrying Maximum 50 marks	
Marks Range (for Max of 50 marks)	Grade
$X \geq 46$	AA
$46 > X \geq 42$	AB
$42 > X \geq 38$	BB
$38 > X \geq 33$	BC
$33 > X \geq 28$	CC
$28 > X \geq 23$	CD
$X < 23$	FF
Absent	ZZ

X = Marks obtained out of 50

Award of Grades for Practical Courses Subject carrying Maximum 50 marks	
Marks Range (for Max of 50 marks)	Grade
$X \geq 46$	AA
$46 > X \geq 42$	AB
$42 > X \geq 38$	BB
$38 > X \geq 33$	BC
$33 > X \geq 28$	CC
$28 > X \geq 23$	CD
$X < 25$	FF
Absent	ZZ

X = Marks obtained out of 50

Table - 2 Grades and Equivalent Grade Points	
Grade	Grade Point
AA	10.00
AB	9.00
BB	8.00
BC	7.00
CC	6.00
CD	5.00
FF	0
ZZ	0



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Date : 20/04/2024

Bachelors of Tech. Course in Aeronautical Engineering 1st Semester

Name : Sukanya Ajit Dhawade

Enrolment Number : 20211027820341 Roll No. : 305540

Year of Passing : Winter-2020

TRANSCRIPT FOR 1ST SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Mathematics – I	03	01	--	45	53	30	83	BB	08	4.0	32.00
2.	Applied Physics	03	01	--	45	60	30	90	AB	09	4.0	36.00
3.	Energy & Environment	02	01	--	45	65	30	95	AA	10	3.0	30.00
4.	Communication Skills	02	--	--	23	30	15	45	AB	09	2.0	18.00
5.	Engineering Graphics	01	--	--	23	28	15	43	AB	09	1.0	9.00
6.	Basic of Civil & Mechanical Engineering	04	--	--	23	--	48	48	AA	--	--	--
7.	Applied Physics Lab	--	--	03	25	18	21	39	BB	08	1.5	12.00
8.	Energy & Environment Lab	--	--	02	25	21	24	45	AB	09	1.0	9.00
9.	Communication Skills Lab	--	--	02	25	19	25	44	AB	09	1.0	9.00
10.	Engineering Graphics Lab	--	--	04	25	23	24	47	AA	10	2.0	20.00

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	175.00	19.50	8.97	579	650	PASS

GP = Grade Points CR = Credits GPV = Grade Point Value RMK = Remark
PXM = Previous Exemption PR = Practical



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Date : 20/04/2024

Bachelors of Tech. Course in Aeronautical Engineering 2nd Semester

Name : Sukanya Ajit Dhawade
Enrolment Number : 20211027820341 Roll No. : 315232
Year of Passing : Summer-2021

TRANSCRIPT FOR 2nd SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Mathematics – II	03	01	--	45	30	30	60	CC	06	4.0	24.00
2.	Advanced Engineering Materials	02	01	--	45	49	30	79	BB	08	3.0	24.00
3.	Applied Chemistry	03	01	--	45	49	30	79	BB	08	4.0	32.00
4.	Computational Skills	02	--	--	23	24	15	39	BB	08	2.0	16.00
5.	Basic of Electrical Engineering	02	--	--	23	29	15	44	AB	09	2.0	18.00
6.	Engineering Mechanics	02	--	--	23	26	15	41	BB	08	2.0	16.00
7.	Indian Culture & Constitution (Audit)	02	--	--	--	--	48	48	AA	--	--	--
8.	Workshop Practice	--	--	04	50	32	44	76	BB	08	2.0	16.00
9.	Advanced Engineering Materials	--	--	02	25	21	22	43	AB	09	1.0	9.00
10.	Applied Chemistry	--	--	03	25	21	23	44	AB	09	1.5	13.50
11.	Computational Skills	--	--	02	25	18	22	40	BB	08	1.0	8.00

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	176.50	22.50	7.84	545	700	PASS

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PCE/2023-24/Acad/Tran/

Date : 20/04/2024

Bachelors of Tech. Course in Aeronautical Engineering 3rd Semester

Name : Sukanya Ajit Dhawade
Enrolment Number : 20211027820341 **Roll No. :** 158254
Year of Passing : Winter-2021

TRANSCRIPT FOR 3rd SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Applied Mathematics-III	03	--	--	45	35	30	65	CC	06	3.0	18.00
2.	Aero Thermodynamics	03	--	--	45	70	30	100	AA	10	3.0	30.00
3.	Aero Thermodynamics (Pr)	--	--	02	25	19	24	43	AB	09	1.0	9.00
4.	Fluid Mechanics & Machinery	03	--	--	45	65	27	92	AA	10	3.0	30.00
5.	Fluid Mechanics & Machinery (Pr)	--	--	02	25	20	19	39	BB	08	1.0	8.00
6.	Avionic-I	03	--	--	45	68	30	98	AA	10	3.0	30.00
7.	Computer Programming (Pr)	--	--	02	25	19	21	40	BB	08	2.0	16.00
8.	Elements of Aeronautics	03	--	--	45	44	30	74	BC	07	3.0	21.00
9.	Aerodynamics-I	03	--	--	45	67	29	96	AA	10	3.0	30.00
10.	Essence of Indian Traditional Knowledge	02	--	--	--	--	--	'A'	--	--	--	--

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	192	22	8.73	647	750	PASS

GP = Grade Points CR = Credits GPV = Grade Point Value RMK = Remark
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(Signature)
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Date : 20/04/2024

Bachelors of Tech. Course in Aeronautical Engineering 4th Semester

Name : Sukanya Ajit Dhawade

Enrolment Number : 20211027820341

Roll No. : 406900

Year of Passing : Summer-2022

TRANSCRIPT FOR 4th SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Manufacturing Process-I	03	--	--	45	33	25	58	CC	06	3.00	18.00
2.	Manufacturing Process-I (Pr)	--	--	02	25	18	20	38	BB	08	1.0	8.00
3.	Aircraft Structure-I	03	01	--	45	42	26	68	BC	07	4.0	28.00
4.	Aircraft Structure-I (Pr)	--	--	02	25	16	21	37	BC	07	1.0	7.00
5.	Aerodynamic-II	03	01	--	45	56	27	83	BB	08	3.0	24.00
6.	Aerodynamic-II (Pr)	--	--	02	25	16	21	37	BC	07	1.0	7.00
7.	Propulsion-I	03	--	--	45	39	26	65	CC	06	3.0	18.00
8.	Aircraft Flight Mechanics	03	01	--	45	58	25	83	BB	08	4.0	32.00
9.	Professional Ethics	02	--	--	25	30	14	44	AB	09	2.0	18.00
10.	Mini Project-I (Internship / Case Study)	--	--	02	25	20	21	41	BB	08	2.0	16.00
11.	Environment Science	03	--	--	--	--	--	'A'	--	--	--	--

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	176.00	24.00	7.33	554	750	PASS

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PXM = Previous exemption PR = Practical



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Bachelors of Tech. Course in Aeronautical Engineering 5th Semester

Name : Sukanya Ajit Dhawade

Enrolment Number : 20211027820341

Roll No. : 254626

Year of Passing : Winter-2023

TRANSCRIPT FOR 5th SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Propulsion-II	03	--	--	45	36	18	54	CD	05	3.0	15.00
2.	Propulsion-II (Pr)	--	--	02	25	15	16	31	CC	06	1.0	6.00
3.	Aircraft System & Instrumentation	03	--	--	45	33	27	60	CC	06	3.0	18.00
4.	Aircraft System & Instrumentation (Pr)	--	--	02	25	19	16	35	BC	07	1.0	7.00
5.	Aircraft Structure-II	03	01	--	45	24	21	45	CD	05	4.0	20.00
6.	Aircraft Structure-II (Pr)	--	--	02	25	17	15	32	CC	06	1.0	6.00
7.	Industrial Economics and Management	03	--	--	45	32	25	57	CC	06	3.0	18.00
8.	Elect-I : Heat and Mass Transfer	03	--	--	45	21	25	46	CD	05	3.0	15.00
9.	Introduction to Aeromodelling (Audit)	02	--	--	--	--	--	'AB'	--	--	--	--

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	105.00	19.00	5.53	360	650	PASS

GP = Grade Points CR = Credits GPV = Grade Point Value RMK = Remark

PXM = Previous exemption PR = Practical



[Signature]
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PCE/2023-24/Acad/Tran/

Date : 20/04/2024

Bachelor's Degree Course in Aeronautical Engineering 6th Semester

Name : **Sukanya Ajit Dhawade**
Enrolment Number : **20211027820341** **Roll No. : 137683**
Year of Passing : **Summer-2023**

TRANSCRIPT FOR 6th SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Aircraft Design	03	--	--	45	40	25	65	CC	06	3.0	18.00
2.	Aircraft Design Laboratory	--	--	02	25	19	20	39	BB	08	1.0	8.00
3.	Space Technology	03	01	--	45	24	24	48	CD	05	4.0	20.00
4.	OE-I : Linux Fundamentals	03	--	--	45	19	22	45*	CD	05	3.0	15.00
5.	Elect-II : Aircraft Mechanisms Analysis and Synthesis	03	--	--	45	25	25	50	CD	05	3.0	15.00
6.	Aero Design and Simulation Lab (Pr)	--	--	02	25	18	21	39	BB	08	1.0	8.00
7.	Non Destructive Inspection Lab (Pr)	--	--	02	25	16	19	35	BC	07	1.0	7.00
8.	Effective Technical Communication	02	--	--	23	18	14	32	CC	06	2.0	12.00
9.	Mini Project-II	--	--	06	50	38	45	83	AB	09	3.0	27.00
10.	Sports/Yoga/NSS/NCC	--	--	03	--	--	--	'AA'	--	--	--	--

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	130.00	21.00	6.19	436*	700	PASS BY GRACE

GP = Grade Points CR = Credits GPV = Grade Point Value RMK = Remark
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Date : 20/04/2024

Bachelor's Degree Course in Aeronautical Engineering 7th Semester

Name : Sukanya Ajit Dhawade

Enrolment Number : 20211027820341 Roll No. : 239420

Year of Passing : Winter-2023

TRANSCRIPT FOR 7th SEMESTER

Sr No.	Subject	Work Load				Marks & Grades Awarded						
		L	T	P	Min Marks	TU/PU	TI/PI	Total Marks	Grade	GP	CR	GPV
1.	Air Transportation and Management	03	--	--	45	58	28	86	AB	09	3.0	27.00
2.	OE-II: Finance & Cost Management	03	--	--	45	34	27	61	CC	06	3.0	18.00
3.	Elect-III : UAV Systems Design	03	--	--	45	39	28	67	BC	07	3.0	21.00
4.	Elect-IV : Computational Fluid Dynamics	03	--	--	45	28	26	54	CD	05	3.0	15.00
5.	Elect-IV : Computational Fluid Dynamics (Pr)	--	--	02	25	19	20	39	BB	08	1.0	8.00
6.	Project Work Phase-I	--	--	08	100	88	88	176	AB	09	4.0	36.00
7.	Universal Human Values (Grade)	02	--	--	--	--	--	'AB'	--	--	--	--

Incentive	Total GPV	Total Credits	SGPA Out Of 10	Total Marks Obtained	Out Of Marks	Result
	125.00	17.00	7.35	483	650	PASS

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