



# Birla Institute of Technology & Science, Pilani

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1. This transcript contains complete record of academic performance of the student given in a chronological order. For details the Academic Regulations as well as the Bulletin of the institute should be consulted.

2. The medium of instruction is English.

3. The academic year consists of two semesters and a summer term when required. The courses and the grades along with units are shown against each semester/term in which the student registered.

4. **Evaluation:**

(a) The performance in most courses is spelt out in terms of letter grades A, A-, B, B-, C, C-, D, E. Each letter grade has a qualitative meaning and a grade point value as given below:

Letter Grade *	A	A-	B	B-	C	C-	D	E
Qualitative Meaning	Excellent	Very Good	Good	Above Average	Fair / Average	Below Average	Poor	Exposed
Grade Point	10	9	8	7	6	5	4	2

\*Note: Among the letter grades mentioned above, the grades A-, B- and C- were introduced with effect from First Semester 2011-2012.

(b) In some courses, descriptive non-letter grades (Excellent; Good; Fair; Poor; Acceptable; Unacceptable; Satisfactory(S); Unsatisfactory(U); Above Average; Average; Below Average; Outstanding; Very Good; Continuing) are awarded which carry no grade point.

5. **CGPA:**

The up-to date overall performance is reported by the Cumulative Grade Point Average (CGPA), which is a weighted average calculated as below:

$$CGPA = (u_1g_1 + u_2g_2 + u_3g_3 + \dots) / (u_1 + u_2 + u_3 + \dots)$$

where  $u_1, u_2, u_3, \dots$  denote units associated with the courses taken by the student and  $g_1, g_2, g_3, \dots$  denote grade points of the letter grades awarded in the respective courses. Whenever a student repeats a course and gets a new letter grade the new grade replaces the earlier grade in the calculation of the CGPA.

6. The other symbols & Reports used in the transcript are:

AU	-	Audit	XR	-	Previous grade 'X' repeated
DP	-	Discontinued from the Programme	RC	-	Registration Cancelled
EL	-	Elective	RRA	-	Required to Register Again
GA	-	Grade Awaited	S	-	Satisfactory
I	-	Incomplete	U	-	Unsatisfactory
NC	-	Not Cleared	W	-	Withdrawn
TGA	-	Thesis Grade Awaited	NA	-	Not Applicable
DEL	-	Discipline Elective	HEL	-	Humanities Elective

7. Optional elective (OE) is not a required component but if it is taken, the letter grade obtained is included in the CGPA. If the student is reported as NC in any one of the courses taken in this category, no further action is necessary.

8. **Flexibilities:**

The system permits many academic and other flexibilities like: (a) Admission with marginal deficiency. (Additional remedial courses are prescribed, and when necessary programme duration is extended); (b) Admission with advanced standing (The courses for which exemption was given are listed in the transcript; such courses are not included in the CGPA. The CGPA and division, if applicable are awarded on the basis of only courses taken in the institute); (c) Transfer from one programme to another, before the completion of the first. (The accumulated units and CGPA in the previous programme are carried over as the input to the new programme); (d) working concurrently for two degrees out to the integrated first degree programmes (dual degree scheme); The requirements for both the degrees in the dual degree scheme are concurrently met. Consequently, the CGPA and the division awarded for the two degrees would be the same (e) Each programme in the first degree level or higher degree level offers a choice between Practice School and Thesis/Dissertation streams.

9. **Academic Counselling:**

(a) The educational philosophy interlinks and at the same time distinguishes between the performance of a student in a single course and his overall cumulative performance. His progress and performance is monitored at the end of every semester/term by noting whether (i) he has secured more than one E grade in that semester/terms; (ii) he has obtained a CGPA less than 4.50 in case of integrated first degree programme and less than 5.50 in case of higher degree programme upto that semester/term; (iii) he has spent more than 50% extra time than what is prescribed for him up to that semester/terms in his programme.

(b) Whenever a student's performance comes under the clauses (i), (ii) or (iii) in (a) above, the student comes under the purview of Academic Counselling Board (ACB) which would counsel him, temporarily restrict his options, may require him to transfer to another suitable programme or leave the institute if he is unable to meet the probationary conditions laid down by it.

10. **Eligibility Requirements:**

A student has to obtain a minimum CGPA of 4.50 in case of integrated first degree programmes, a minimum CGPA of 5.50 in case of higher degree programmes and a minimum CGPA of 5.50 wherever applicable, in case of Ph.D. programmes to be eligible for the degree.

11. A long gap between the last semester of registration and the semester in which the student becomes eligible for the degree, may be due to delayed award of a grade because of late submission of some components of evaluation in a course/dissertation/thesis by the student.

12. **Division:** It is a classification based on CGPA as follows:

Distinction	:	CGPA 9.00 or more
I Division	:	CGPA 7.00 or more but less than 9.00
II Division	:	CGPA 4.50 or more but less than 7.00

(No division is awarded for diploma, higher degrees or Ph.D. programmes)



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## TRANSCRIPT

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NAME AAMOD VINAYAK ATRE

Degree(s) Completed:  
B.E. (Chemical)

CGPA : 8.65 Division : FIRST

		COURSE NO	COURSE TITLE	UNITS GRADE	
<b>FIRST SEMESTER 2017-2018</b>	BIO	F110	BIOLOGICAL LABORATORY	1	A-
	BIO	F111	GENERAL BIOLOGY	3	A-
	BITS	F112	TECH REPORT WRITING	2	B
	CHEM	F111	GENERAL CHEMISTRY	3	B-
	MATH	F111	MATHEMATICS-I	3	C
	ME	F110	WORKSHOP PRACTICE	2	A
	PHY	F111	MECH OSCIL & WAVES	3	C-
					CGPA... 7.41
<b>SECOND SEMESTER 2017-2018</b>	BITS	F110	ENGINEERING GRAPHICS	2	B
	BITS	F111	THERMODYNAMICS	3	B
	CHEM	F110	CHEMISTRY LABORATORY	1	A-
	CS	F111	COMPUTER PROGRAMMING	4	C
	EEE	F111	ELECTRICAL SCIENCES	3	B-
	MATH	F112	MATHEMATICS-II	3	C-
	MATH	F113	PROBABILITY & STATISTICS	3	C
	PHY	F110	PHYSICS LABORATORY	1	A-
					CGPA... 7.08
<b>FIRST SEMESTER 2018-2019</b>	BITS	F225	ENVIRONMENTAL STUDIES	3	GOOD
	CHE	F211	CHEMICAL PROCESS CALCULA	3	A-
	CHE	F212	FLUID MECHANICS	3	B
	CHE	F213	CHEM ENGG THERMODYNAMICS	3	A
	CHE	F214	ENGINEERING CHEMISTRY	3	A
	GS	F212	ENVIRON DEV & CLIMATE CH	3	A
	HSS	F313	INTRO TO CONTEMPORARY ARTS	3	A
	MATH	F211	MATHEMATICS III	3	B
					CGPA... 7.88



*R. Khatri*  
REGISTRAR

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		COURSE NO	COURSE TITLE	UNITS GRADE		
<b>SECOND SEMESTER 2018-2019</b>	BITS	F316	NONLINEAR DYN & CHAOS	3	B	EL
	CHE	F241	HEAT TRANSFER	3	B	
	CHE	F242	NUM METHOD FOR CHEM ENGG	3	A	
	CHE	F243	MATERIAL SCIENCE & ENGG	3	A	
	CHE	F244	SEPARATION PROCESSES I	3	A	
	ECON	F211	PRINCIPLES OF ECONOMICS	3	A-	
	PHY	F242	QUANTUM MECHANICS I	3	C	EL
						<b>CGPA... 8.10</b>
<b>SUMMER TERM 2018-2019</b>	BITS	F221	PRACTICE SCHOOL I	5	A	EL
						<b>CGPA... 8.21</b>
<b>FIRST SEMESTER 2019-2020</b>	CHE	F266	STUDY PROJECT	3	A	DEL
	CHE	F311	KINETICS & REACTOR DESIG	3	B-	
	CHE	F312	CHEMICAL ENGG LAB I	3	B	
	CHE	F313	SEPARATION PROCESSES II	3	A-	
	CHE	F314	PROCESS DES PRINCIPLES I	3	A	
	PHY	F212	ELECTROMAGNETIC THEO I	3	B	EL
	PHY	F311	QUANTUM MECHANICS II	3	A-	EL
	PHY	F312	STATISTICAL MECHANICS	3	B-	EL
						<b>CGPA... 8.28</b>
<b>SECOND SEMESTER 2019-2020</b>	CHE	F341	CHEMICAL ENGG LAB II	3	A-	
	CHE	F342	PROCESS DYN & CONTROL	3	B	
	CHE	F343	PROCESS DES PRINCIPLE II	3	A-	
	CHE	F376	DESIGN PROJECT	3	A	DEL
	HSS	F232	INTRO TO DEV STUDIES	3	A-	HEL
	PHY	F341	SOLID STATE PHYSICS	3	B-	EL
	PHY	F342	ATOMIC & MOLECULAR PHY	3	A-	EL
						<b>CGPA... 8.35</b>



*R. Chintamani*  
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NAME AAMOD VINAYAK ATRE

	COURSE NO	COURSE TITLE	UNITS	GRADE	
<b>FIRST SEMESTER</b> <b>2020-2021</b>	CHE F377	DESIGN PROJECT	3	A	DEL
	CHE F414	TRANSPORT PHENOMENA	3	A	DEL
	CHE F415	MOLEC & STAT THERMODYN	3	A-	DEL
	GS F211	MOD POLITICAL CONCEPTS	3	A	EL
	PHY F266	STUDY PROJECT	3	A	EL
					<b>CGPA... 8.50</b>
<b>SECOND SEMESTER</b> <b>2020-2021</b>	BITS F421T	THESIS	16	A	
					<b>CGPA... 8.65</b>



*Rahul*  
REGISTRAR

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NAME AAMOD VINAYAK ATRE

### SUMMARY

Admitted in: FIRST SEMESTER 2017-2018  
To: B.E. (Chemical)  
Last Registered: SECOND SEMESTER 2020-2021

Units Used in CGPA: 160

(This includes only courses with letter grades, excluding repetitions)

CGPA : 8.65

\*Non-Letter Grade 'CLR' indicates that the course is cleared to fulfill graduation requirements. This grade was not used to compute CGPA and was awarded on meeting the minimum criteria set for clearing the said course. This was a one-time provision in view of the COVID-19 pandemic crisis.

Degree(s) Completed:

B.E. (Chemical)

Division: FIRST

Fulfilled the academic requirements of graduation and became eligible for the award of the degree at the end of SECOND SEMESTER 2020-2021

Has also completed the requirements of the minor: Physics

Note: This programme has been conducted by BITS Pilani at its K.K.Birla Goa Campus, Goa, India.

Date of approval by the Examination Committee: 07-JUL-2021

Date of Issue: 07-JUL-2021

*Rohit*  
REGISTRAR

