



**University of
Sheffield**

Student Services Information Desk
Students' Union building, Western Bank
Sheffield S10 2TG
Tel: 0114 222 1299
www.sheffield.ac.uk/new-students/documents



Date: 10 March 2025

Surname/Family Name: Gupta

Date of Issue:

10 March 2025

Forenames: Arijit

Expected Completion date:

30 September 2025

Date of Birth: 21 January 2000

Registration Number:

240166955

Course Title: MSc/Com Sci w/Speech & Lang

This Summary of Results sets out the studies undertaken at the University of Sheffield by the above-named during the academic sessions shown, the examination results obtained and details of modules intended to be studied in the future. This is the student's record to date but is not an official transcript. All results are subject to faculty approval at the completion of studies.

Course Year	Unit Code	Unit Title	Grade	Result	Credits
AUT SEM 24	COM6509	Machine Learning and Adaptive Intelligence	79	P	15
AUT SEM 24	COM6655	Professional Issues	85	P	15
AUT SEM 24	COM6502	Speech Processing	82	P	15
AUT SEM 24	COM6115	Text Processing	85	P	15
SPR SEM 24	COM6513	Natural Language Processing			15
SPR SEM 24	COM6511	Speech Technology			15
SPR SEM 24	COM6103	Team Software Project			15
SPR SEM 24	COM6012	Scalable Machine Learning			15
SUM SEM 24	COM6906	Dissertation Project			60



David Swinn - Interim University Secretary
adlidx

University Stamp

The Birla Institute of Technology & Science

Upon the Recommendation of the Senate hereby confers on

Arijit Gupta

The Degree of

Bachelor of Engineering

In

Electronics and Instrumentation Engineering

in recognition of having attained proficiency in the General and Special Studies and having fulfilled all the requirements of the degree and having been placed in the First Division.

Given this third day of August, two thousand twenty two under the Seal of the Birla Institute of Technology & Science at Pilani in the State of Rajasthan, India.

Suman Kundra
DIRECTOR

Sy
REGISTRAR



K. Srinivas
CHANCELLOR

S. Srinivas
VICE-CHANCELLOR



TRANSCRIPT

ID NO 2018A8TS0856G

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NAME ARIJIT GUPTA

Degree(s) Completed:
B.E. (Electronics and Instrumentation)

CGPA : 8.24 Division : FIRST

		COURSE NO	COURSE TITLE	UNITS	GRADE	
FIRST SEMESTER 2018-2019	BIO	F110	BIOLOGICAL LABORATORY	1	A-	
	BIO	F111	GENERAL BIOLOGY	3	B	
	BITS	F112	TECH REPORT WRITING	2	B	
	CHEM	F111	GENERAL CHEMISTRY	3	C-	
	MATH	F111	MATHEMATICS-I	3	C	
	ME	F110	WORKSHOP PRACTICE	2	A-	
	PHY	F111	MECH OSCIL & WAVES	3	C	
						CGPA... 6.94
SECOND SEMESTER 2018-2019	BITS	F110	ENGINEERING GRAPHICS	2	B-	
	BITS	F111	THERMODYNAMICS	3	B	
	CHEM	F110	CHEMISTRY LABORATORY	1	B	
	CS	F111	COMPUTER PROGRAMMING	4	B	
	EEE	F111	ELECTRICAL SCIENCES	3	B-	
	MATH	F112	MATHEMATICS-II	3	C	
	MATH	F113	PROBABILITY & STATISTICS	3	B-	
	PHY	F110	PHYSICS LABORATORY	1	B	
						CGPA... 7.14
FIRST SEMESTER 2019-2020	BITS	F225	ENVIRONMENTAL STUDIES	3	GOOD	
	GS	F322	CRITI ANAL OF LIT & CINE	3	A-	HEL
	INSTR	F211	ELECTRICAL MACHINES	4	C	
	INSTR	F212	ELECTROMAGNETIC THEO I	3	C	
	INSTR	F214	ELECTRONIC DEVICES	3	B-	
	INSTR	F215	DIGITAL DESIGN	4	B	
	MATH	F211	MATHEMATICS III	3	B	
						CGPA... 7.19



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NAME ARIJIT GUPTA

	COURSE NO	COURSE TITLE	UNITS	GRADE	
SECOND SEMESTER 2019-2020	ECON F211	PRINCIPLES OF ECONOMICS	3	B-	
	GS F212	ENVIRON DEV & CLIMATE CH	3	B	HEL
	INSTR F241	MICROPROC & INTERFACING	4	C	
	INSTR F242	CONTROL SYSTEMS	3	B	
	INSTR F243	SIGNALS & SYSTEMS	3	A-	
	INSTR F244	MICROELECTRONIC CIRCUITS	3	B-	
	MATH F213	DISCRETE MATHEMATICS	3	A-	EL
CGPA... 7.32					
SUMMER TERM 2019-2020	BITS F221	PRACTICE SCHOOL I	5	A	EL
	CGPA... 7.48				
FIRST SEMESTER 2020-2021	BITS F315	INTRODUCTION TO COGNITIVE NEUR	3	A	EL
	BITS F382	READING COURSE	3	A	EL
	INSTR F311	ELECTRO INST & INST TECH	4	B	
	INSTR F312	TRANSD & MEASUREMENT SYS	3	B	
	INSTR F313	ANALOG & DIGIT VLSI DES	3	B	
	INSTR F376	DESIGN PROJECT	3	A	DEL
CGPA... 7.75					
SECOND SEMESTER 2020-2021	CS F211	DATA STRUCTURES & ALGO	4	A	EL
	CS F213	OBJECT ORIENTED PROG	4	A-	DEL
	INSTR F341	ANALOG ELECTRONICS	4	CLR	
	INSTR F342	POWER ELECTRONICS	4	CLR	
	INSTR F343	INDUS INSTRUMENT & CONT	3	CLR	
	INSTR F377	DESIGN PROJECT	3	A	DEL
CGPA... 7.93					
FIRST SEMESTER 2021-2022	HSS F234	MAIN CURRENTS OF MOD HIS	3	B	EL
	HSS F235	INTRODUCTORY PHILOSOPHY	3	A-	HEL
	INSTR F266	STUDY PROJECT	3	A	DEL
CGPA... 8.01					



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TRANSCRIPT

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NAME ARIJIT GUPTA

COURSE NO	COURSE TITLE	UNITS GRADE
SECOND SEMESTER BITS 2021-2022	F421T THESIS	16 A
		CGPA... 8.24

SUMMARY

Admitted in: FIRST SEMESTER 2018-2019
To: B.E. (Electronics and Instrumentation)
Last Registered: SECOND SEMESTER 2021-2022

Units Used in CGPA: 139
(This includes only courses with letter grades, excluding repetitions)

CGPA : 8.24

*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. (Electronics and Instrumentation)
Division: FIRST

Fulfilled the academic requirements of graduation and became eligible for the award of the degree at the end of SECOND SEMESTER 2021-2022

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: 09-JUL-2022

Date of Issue: 09-JUL-2022


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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)