

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



Certifies that
TEJAS V KANGOD

ಬ್ಯಾಚಲರ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್ ಆನರ್ಸ್

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನು ಪೂರೈಸಿ ಪರಿಗಣಿತವಾಗಿರುವ ಕಾರಣ
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ

has been duly admitted to the Degree of

Bachelor of Engineering with Honours

in recognition of the fulfilment of requirements

for the said degree



ಪರೀಕ್ಷಾ ಕ್ರಮ ಸಂಖ್ಯೆ

University Seat Number : **1RN20IS172**

ವಿಷಯ

Subject : **Information Science & Engineering**

ಶ್ರೇಣಿ

Class : **First Class with Distinction**

00309

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುದ್ರೆಯೊಂದಿಗೆ ಕೊಡಲ್ಪಟ್ಟಿದೆ

Given under the seal of the University

ಬೆಳಗಾವಿ Month & Year of Passing : **June 2024**

Belagavi

ದಿನಾಂಕ

Date : **JULY 18, 2024**

ಕುಲಪತಿ

VICE CHANCELLOR

Note: Honours Degree is awarded by considering the additional 18 (or more) credits earned by the student through online courses listed in the Grade card by Honours Degree Programme.



Visvesvaraya Technological University, Belagavi
Karnataka State, INDIA



220231100333

TRANSCRIPT AS PER RECORDS

Name: TEJAS V KANGOD

University Seat No: 1RN20IS172

Year of admission: 2020

Mon & Yr. of completion: 072024

Academic Program: Bachelor of Engineering
(Information Science & Engineering)

1. Duration of the Course: 4 Years

2. Medium of Instructions: English

3. Percentage = (CGPA-0.75) * 10

4. First class with Distinction(FCD): Greater than or equal to 70%

First Class (FC): Greater than or equal to 60 % but less than 70%

SecondClass (SC): Less than 60%

Course Code	Course Name	Credits	Grade	Mon&Yr	Attempts
I Semester					
18MAT11	Calculus and Linear Algebra	4	A	012021	1
18PHY12	Engineering Physics	4	S	012021	1
18ELE13	Basic Electrical Engineering	3	A	012021	1
18CIV14	Elements of Civil Engineering & Mechanics	3	A	012021	1
18EGDL15	Engineering Graphics	3	A	012021	1
18PHYL16	Engineering Physics Laboratory	1	S	012021	1
18EEL17	Basic Electrical Engineering Laboratory	1	S	012021	1
18EGH18	Technical English - I	1	A	012021	1
II Semester					
18MAT21	Advanced Calculus and Numerical Methods	4	A	082021	1
18CHE22	Engineering Chemistry	4	S	082021	1
18CPS23	C Programming for Problem Solving	3	S	082021	1
18ELN24	Basic Electronics	3	S	082021	1
18ME25	Elements of Mechanical Engineering	3	S	082021	1
18CHEL26	Engineering Chemistry Laboratory	1	S	082021	1
18CPL27	C Programming Laboratory	1	S	082021	1
18EGH28	Technical English - II	1	S	082021	1
III Semester					
18MAT31	Transform Calculus, Fourier Series & Num	3	B	012022	1
18CS32	Data Structures and Applications	4	B	012022	1
18CS33	Analog and Digital Electronics	3	A	012022	1
18CS34	Computer Organization	3	B	012022	1
18CS35	Software Engineering	3	B	012022	1
18CS36	Discrete Mathematical Structures	3	A	012022	1
18CSL37	Analog and Digital Electronics Laboratory	2	S	012022	1
18CSL38	Data Structures Laboratory	2	S	012022	1
18KVK39	Vyavaharika Kannada	1	S	012022	1
IV Semester					
18MAT41	Complex Analysis, Probability & Stat. Method"	3	S	072022	1
18CS42	Design and Analysis of Algorithms	4	B	072022	1
18CS43	Operating Systems	3	A	072022	1
18CS44	Microcontroller and Embedded Systems	3	A	072022	1
18CS45	Object Oriented Concepts	3	A	072022	1
18CS46	Data Communication	3	A	072022	1
18CSL47	Design and Analysis of Algorithm Laboratory	2	S	072022	1
18CSL48	Microcontroller and Embedded Systems Lab.	2	S	072022	1
18CPC49	Const. of India, Prof. Ethics & Cyber Law	1	C	072022	1

CGPA: 9.06

Percentage: 83.10

Course Code	Course Name	Credits	Grade	Mon&Yr	Attempts
V Semester					
18CS51	Management and Entrepreneurship for IT	3	B	012023	1
18CS52	Computer Networks and Security	4	B	012023	1
18CS53	Database Management Systems	4	A	012023	1
18CS54	Automata Theory and Computability	3	C	012023	1
18CS55	Application Development using Python	3	A	012023	1
18CS56	Unix Programming	3	C	012023	1
18CSL57	Computer Network Laboratory	2	S	012023	1
18CSL58	DBMS Laboratory with mini project	2	S	012023	1
18CIV59	Environmental Studies	1	B	012023	1
VI Semester					
18IS61	File Structures	4	A	072023	1
18IS62	Software Testing	4	A	072023	1
18CS63	Web Technology and its applications	4	A	072023	1
18CS641	Data Mining and Data Warehousing	3	B	072023	1
18ME653	Supply Chain Management	3	B	072023	1
18ISL66	Software Testing Laboratory	2	S	072023	1
18ISL67	File Structures Laboratory with mini project	2	S	072023	1
18CSMP68	Mobile Application Development	2	S	072023	1
VII Semester					
18CS71	Artificial Intelligence and Machine Learning	4	A	012024	1
18CS72	Big Data Analytics	4	B	012024	1
18CS734	User Interface Design	3	B	012024	1
18CS743	Natural Language Processing	3	S	012024	1
18ME751	Energy and Environment	3	A	012024	1
18CSL76	Artificial Intelligence and Machine Learning	2	S	012024	1
18CSP77	Project Work Phase - I	1	S	012024	1
VIII Semester					
18CS81	Internet of Things	3	A	072024	1
18CS823	NOSQL Database	3	A	072024	1
18CSP83	Project Work Phase - 2	8	S	072024	1
18CSS84	Technical Seminar	1	S	072024	1
18CSI85	Internship	3	S	072024	1

Requisite AICTE Activity Points Completed.

Class of the Degree: First Class with Distinction

Grade	S	A	B	C	D	E	F
Grade Point	10	9	8	7	6	4	0
Marks Range	>=90	<90	<80	<70	<60	<45	<40
		>=80	>=70	>=60	>=45	>=40	

PP- Mandatory non credit course



AUTHENTIC



Dec

*Based on First Attempt Marks of V to VIII semester # Number of Attempts taken to clear the semester
(*and # not applicable to choice Based Credit System)

Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
 KARNATAKA, INDIA
GRADE CARD

19UG 00777083

B.E. Information Science & Engineering January 2021

Name of the Student : TEJAS V KANGOD

USN: 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
I Semester						
1	18MAT11	Calculus and Linear Algebra	4	4	A	9
2	18PHY12	Engineering Physics	4	4	S	10
3	18ELE13	Basic Electrical Engineering	3	3	A	9
4	18CIV14	Elements of Civil Engineering & Mechanics	3	3	A	9
5	18EGDL15	Engineering Graphics	3	3	A	9
6	18PHYL16	Engineering Physics Laboratory	1	1	S	10
7	18ELEL17	Basic Electrical Engineering Laboratory	1	1	S	10
8	18EGH18	Technical English - I	1	1	A	9

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\sum(C_i \times G_i)$	SGPA	CGPA
20	20	20	186	9.30	—

Medium of Instruction: English

Date: January 28, 2022



Rangaswamy B.E
 Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
 KARNATAKA, INDIA
GRADE CARD

B.E. Information Science & Engineering August 2021

19UG 00779717

Name of the Student : TEJAS V KANGOD

USN: 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
II Semester						
1	18MAT21	Advanced Calculus and Numerical Methods	4	4	A	9
2	18CHE22	Engineering Chemistry	4	4	S	10
3	18CPS23	C Programming for Problem Solving	3	3	S	10
4	18ELN24	Basic Electronics	3	3	S	10
5	18ME25	Elements of Mechanical Engineering	3	3	S	10
6	18CHEL26	Engineering Chemistry Laboratory	1	1	S	10
7	18CPL27	C Programming Laboratory	1	1	S	10
8	18EGH28	Technical English - II	1	1	S	10

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
20	20	40	196	9.80	9.55

Medium of Instruction: English

Date: January 28, 2022



Rangasamy B.E

Registrar (Evaluation)

ವಿಶ್ವವಿದ್ಯಾಲಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

KARNATAKA, INDIA

GRADE CARD

UG22144947

B.E. Information Science & Engineering January 2022

Name of the Student : **TEJAS V KANGOD**

USN: **1RN20IS172**

Father's / Mother's Name : **VINAYAKA RAO**

Name of the College : **R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE**

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
III Semester						
1	18MAT31	Transform Calculus, Fourier Series & Num Tech	3	3	B	8
2	18CS32	Data Structures and Applications	4	4	B	8
3	18CS33	Analog and Digital Electronics	3	3	A	9
4	18CS34	Computer Organization	3	3	B	8
5	18CS35	Software Engineering	3	3	B	8
6	18CS36	Discrete Mathematical Structures	3	3	A	9
7	18CSL37	Analog and Digital Electronics Laboratory	2	2	S	10
8	18CSL38	Data Structures Laboratory	2	2	S	10
9	18KVK39	Vyavaharika Kannada	1	1	S	10

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
24	24	64	208	8.67	9.22

Medium of instruction: English

Date: November 11, 2022



Rangaswamy B. E
Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
 KARNATAKA, INDIA
GRADE CARD

UG22322845

B.E. Information Science & Engineering July 2022

Name of the Student : TEJAS V KANGOD

USN: 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
IV Semester						
1	18MAT41	Complex Analysis, Probability & Stat. Method"	3	3	S	10
2	18CS42	Design and Analysis of Algorithms	4	4	B	8
3	18CS43	Operating Systems	3	3	A	9
4	18CS44	Microcontroller and Embedded Systems	3	3	A	9
5	18CS45	Object Oriented Concepts	3	3	A	9
6	18CS46	Data Communication	3	3	A	9
7	18CSL47	Design and Analysis of Algorithm Laboratory	2	2	S	10
8	18CSL48	Microcontroller and Embedded Systems Lab.	2	2	S	10
9	18CPC49	Const. of India, Prof. Ethics & Cyber Law	1	1	C	7

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
24	24	88	217	9.04	9.17

Medium of Instruction: English

Date: May 16, 2023




Registrar (Evaluation)

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
 KARNATAKA, INDIA

GRADE CARD

UG22385553

B.E. Information Science & Engineering January 2023

Name of the Student : TEJAS V KANGOD

USN: 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
V Semester						
1	18CS51	Management and Entrepreneurship for IT Industry	3	3	B	8
2	18CS52	Computer Networks and Security	4	4	B	8
3	18CS53	Database Management Systems	4	4	A	9
4	18CS54	Automata Theory and Computability	3	3	C	7
5	18CS55	Application Development using Python	3	3	A	9
6	18CS56	Unix Programming	3	3	C	7
7	18CSL57	Computer Network Laboratory	2	2	S	10
8	18CSL58	DBMS Laboratory with mini project	2	2	S	10
9	18CIV59	Environmental Studies	1	1	B	8

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
25	25	113	209	8.36	8.99

Medium of Instruction: English

Date: June 22, 2023




Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA
GRADE CARD

UG22543024

B.E. Information Science & Engineering July 2023

Name of the Student : TEJAS V KANGOD

USN : 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
VI Semester						
1	18IS61	File Structures	4	4	A	9
2	18IS62	Software Testing	4	4	A	9
3	18CS63	Web Technology and its applications	4	4	A	9
4	18CS641	Data Mining and Data Warehousing	3	3	B	8
5	18ME653	Supply Chain Management	3	3	B	8
6	18ISL66	Software Testing Laboratory	2	2	S	10
7	18ISL67	File Structures Laboratory with mini project	2	2	S	10
8	18CSMP68	Mobile Application Development	2	2	S	10

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma (C_i \times G_i)$	SGPA	CGPA
24	24	137	216	9.00	8.99

Medium of instruction : English

Date : April 13, 2024



Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
 KARNATAKA, INDIA
GRADE CARD

UG22583693

B.E. Information Science & Engineering January 2024

Name of the Student : **TEJAS V KANGOD**

USN : **1RN20IS172**

Father's / Mother's Name : **VINAYAKA RAO**

Name of the College : **R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE**

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
VII Semester						
1	18CS71	Artificial Intelligence and Machine Learning	4	4	A	9
2	18CS72	Big Data Analytics	4	4	B	8
3	18CS734	User Interface Design	3	3	B	8
4	18CS743	Natural Language Processing	3	3	S	10
5	18ME751	Energy and Environment	3	3	A	9
6	18CSL76	Artificial Intelligence and Machine Learning Laboratory	2	2	S	10
7	18CSP77	Project Work Phase - I	1	1	S	10

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma (C_i \times G_i)$	SGPA	CGPA
20	20	157	179	8.95	8.99

Medium of instruction : English

Date : **August 13, 2024**



Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA

GRADE CARD

UG22585192

B.E. Information Science & Engineering July 2024

Name of the Student : TEJAS V KANGOD

USN : 1RN20IS172

Father's / Mother's Name : VINAYAKA RAO

Name of the College : R.N.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
		VIII Semester				
1	18CS81	Internet of Things	3	3	A	9
2	18CS823	NOSQL Database	3	3	A	9
3	18CSP83	Project Work Phase - 2	8	8	S	10
4	18CSS84	Technical Seminar	1	1	S	10
5	18CSI85	Internship	3	3	S	10

* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma (C_i \times G_i)$	SGPA	CGPA
18	18	175	174	9.67	9.06

Medium of instruction : English

Date : August 13, 2024



Registrar (Evaluation)