



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

19UG 00370423

B.E. Information Science & Engineering January 2019

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

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

\* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
20	20	20	144	7.20	

Medium of Instruction: English

Date: November 11, 2020



Registrar (Evaluation)





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

19UG 00371232

B.E. Information Science & Engineering July 2019

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

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

\* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
20	20	40	147	7.35	7.28

Medium of instruction: English

Date: November 11, 2020



Registrar (Evaluation)





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

19UG 00372742

B.E. Information Science & Engineering January 2020

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
<b>III Semester</b>						
1	18MAT31	Transform Calculus, Fourier Series & Num Tech	3	3	C	7
2	18CS32	Data Structures and Applications	4	4	C	7
3	18CS33	Analog and Digital Electronics	3	3	D	6
4	18CS34	Computer Organization	3	3	C	7
5	18CS35	Software Engineering	3	3	D	6
6	18CS36	Discrete Mathematical Structures	3	3	C	7
7	18CSL37	Analog and Digital Electronics Laboratory	2	2	B	8
8	18CSL38	Data Structures Laboratory	2	2	A	9
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	171	7.13	7.22

Medium of Instruction: English

Date: November 11, 2020



Registrar (Evaluation)





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

B.E. Information Science & Engineering August 2020

19UG 00563917

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
<b>IV Semester</b>						
1	18MAT41	Complex Analysis, Probability & Stat. Method"	3	3	B	8
2	18CS42	Design and Analysis of Algorithms	4	4	B	8
3	18CS43	Operating Systems	3	3	B	8
4	18CS44	Microcontroller and Embedded Systems	3	3	B	8
5	18CS45	Object Oriented Concepts	3	3	C	7
6	18CS46	Data Communication	3	3	B	8
7	18CSL47	Design and Analysis of Algorithm Laboratory	2	2	B	8
8	18CSL48	Microcontroller and Embedded Systems Lab.	2	2	B	8
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	188	7.83	7.39

Medium of instruction: English

Date: July 12, 2021



*Rangaswamy B.E*

Registrar (Evaluation)





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

21UG 038601

B.E. Information Science & Engineering January 2021

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
<b>V Semester</b>						
1	18CS51	Management and Entrepreneurship for IT Industry	3	3	C	7
2	18CS52	Computer Networks and Security	4	4	B	8
3	18CS53	Database Management Systems	4	4	B	8
4	18CS54	Automata Theory and Computability	3	3	B	8
5	18CS55	Application Development using Python	3	3	B	8
6	18CS56	Unix Programming	3	3	B	8
7	18CSL57	Computer Network Laboratory	2	2	A	9
8	18CSL58	DBMS Laboratory with mini project	2	2	A	9
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	201	8.04	7.53

Medium of Instruction: English

Date: February 08, 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

21UG 041350

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
		<b>VI Semester</b>				
1	18IS61	File Structures	4	4	B	8
2	18IS62	Software Testing	4	4	B	8
3	18CS63	Web Technology and its applications	4	4	B	8
4	18CS643	Cloud Computing and its Applications	3	3	C	7
5	18ME654	Advanced Materials Technology	3	3	A	9
6	18ISL66	Software Testing Laboratory	2	2	B	8
7	18ISL67	File Structures Laboratory with mini project	2	2	B	8
8	18CSMP68	Mobile Application Development	2	2	B	8

\* Repeated Exam.

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
24	24	137	192	8.00	7.61

Medium of instruction: English

Date: February 08, 2022



*Rangaswamy B.E*

Registrar (Evaluation)





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

**UG22107148**

**B.E. Information Science & Engineering January 2022**

Name of the Student : **ARYAN JOSHI**

USN: **1BY18IS133**

Father's / Mother's Name : **SHANKAR RAJ JOSHI**

Name of the College : **B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE**

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
<b>VII Semester</b>						
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	A	9
4	18CS744	Cryptography	3	3	B	8
5	18EE754	Electrical Energy Conservation and Auditing	3	3	B	8
6	18CSL76	Artificial Intelligence and Machine Learning Laboratory	2	2	A	9
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	171	8.55	7.73

Medium of Instruction: English

Date: November 11, 2022



*Rangaswamy B.E*  
 Registrar (Evaluation)





**ವಿಶ್ವವರಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ**  
**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
 KARNATAKA, INDIA

UG22004671

**GRADE CARD**  
 B.E. Information Science & Engineering July 2022

Name of the Student : ARYAN JOSHI

USN: 1BY18IS133

Father's / Mother's Name : SHANKAR RAJ JOSHI

Name of the College : B.M.S. INSTITUTE OF TECHNOLOGY, BANGALORE

Sl. No.	Course Code	Title of the Course Registered	Credits Assigned	Credits Earned (C)	Letter Grade	Grade Point (G)
		<b>VIII Semester</b>				
1	18CS81	Internet of Things	3	3	B	8
2	18CS823	NOSQL Database	3	3	B	8
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.

Requisite AICTE Activity Points Completed

Credits Registered	Credits Earned	Cumulative Credits Earned	$\Sigma(C_i \times G_i)$	SGPA	CGPA
18	18	175	168	9.33	7.90

Medium of Instruction: English

Date: October 19, 2022



*Rangaswamy B.E*

Registrar (Evaluation)





# Visvesvaraya Technological University, Belagavi

## Karnataka State, INDIA

220220901079

### TRANSCRIPT AS PER RECORDS

Name: ARYAN JOSHI  
University Seat No: 1BY18IS133  
Year of admission: 2018  
Mon & Yr. of completion: 072022  
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
<b>I Semester</b>					
18MAT11	Calculus and Linear Algebra	4	C	012019	1
18PHY12	Engineering Physics	4	C	012019	1
18ELE13	Basic Electrical Engineering	3	D	012019	1
18CIV14	Elements of Civil Engineering & Mechanics	3	D	012019	1
18EGDL15	Engineering Graphics	3	A	012019	1
18PHYL16	Engineering Physics Laboratory	1	A	012019	1
18EEL17	Basic Electrical Engineering Laboratory	1	A	012019	1
18EGH18	Technical English - I	1	C	012019	1
<b>II Semester</b>					
18MAT21	Advanced Calculus and Numerical Methods	4	B	072019	1
18CHE22	Engineering Chemistry	4	B	072019	1
18CPS23	C Programming for Problem Solving	3	D	072019	1
18ELN24	Basic Electronics	3	D	072019	1
18ME25	Elements of Mechanical Engineering	3	C	072019	1
18CHEL26	Engineering Chemistry Laboratory	1	B	072019	1
18CPL27	C Programming Laboratory	1	S	072019	1
18EGH28	Technical English - II	1	B	072019	1
<b>III Semester</b>					
18MAT31	Transform Calculus, Fourier Series & Num	3	C	012020	1
18CS32	Data Structures and Applications	4	C	012020	1
18CS33	Analog and Digital Electronics	3	D	012020	1
18CS34	Computer Organization	3	C	012020	1
18CS35	Software Engineering	3	D	012020	1
18CS36	Discrete Mathematical Structures	3	C	012020	1
18CSL37	Analog and Digital Electronics Laboratory	2	B	012020	1
18CSL38	Data Structures Laboratory	2	A	012020	1
18KVK39	Vyavaharika Kannada	1	S	012020	1
<b>IV Semester</b>					
18MAT41	Complex Analysis, Probability & Stat. Method*	3	B	082020	1
18CS42	Design and Analysis of Algorithms	4	B	082020	1
18CS43	Operating Systems	3	B	082020	1
18CS44	Microcontroller and Embedded Systems	3	B	082020	1
18CS45	Object Oriented Concepts	3	C	082020	1
18CS46	Data Communication	3	B	082020	1
18CSL47	Design and Analysis of Algorithm Laboratory	2	B	082020	1
18CSL48	Microcontroller and Embedded Systems Lab.	2	B	082020	1
18CPC49	Const. of India, Prof. Ethics & Cyber Law	1	C	082020	1

CGPA: 7.90

Percentage: 71.50

Course Code	Course Name	Credits	Grade	Mon&Yr	Attempts
<b>V Semester</b>					
18CS51	Management and Entrepreneurship for IT	3	C	012021	1
18CS52	Computer Networks and Security	4	B	012021	1
18CS53	Database Management Systems	4	B	012021	1
18CS54	Automata Theory and Computability	3	B	012021	1
18CS55	Application Development using Python	3	B	012021	1
18CS56	Unix Programming	3	B	012021	1
18CSL57	Computer Network Laboratory	2	A	012021	1
18CSL58	DBMS Laboratory with mini project	2	A	012021	1
18CIV59	Environmental Studies	1	B	012021	1
<b>VI Semester</b>					
18IS61	File Structures	4	B	082021	1
18IS62	Software Testing	4	B	082021	1
18CS63	Web Technology and its applications	4	B	082021	1
18CS643	Cloud Computing and its Applications	3	C	082021	1
18ME654	Advanced Materials Technology	3	A	082021	1
18ISL66	Software Testing Laboratory	2	B	082021	1
18ISL67	File Structures Laboratory with mini project	2	B	082021	1
18CSMP68	Mobile Application Development	2	B	082021	1
<b>VII Semester</b>					
18CS71	Artificial Intelligence and Machine Learning	4	A	012022	1
18CS72	Big Data Analytics	4	B	012022	1
18CS734	User Interface Design	3	A	012022	1
18CS744	Cryptography	3	B	012022	1
18EE754	Electrical Energy Conservation and	3	B	012022	1
18CSL76	Artificial Intelligence and Machine Learning	2	A	012022	1
18CSP77	Project Work Phase - I	1	S	012022	1
<b>VIII Semester</b>					
18CS81	Internet of Things	3	B	072022	1
18CS823	NOSQL Database	3	B	072022	1
18CSP83	Project Work Phase - 2	8	S	072022	1
18CSS84	Technical Seminar	1	S	072022	1
18CSI85	Internship	3	S	072022	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**

*Rangaswamy B. E*  
Registrar (Evaluation)

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



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



Certifies that  
**ARYAN JOSHI**

**ಬ್ಯಾಚಲರ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್**

ಪದವಿಗೆ ಅಗತ್ಯವಾದ ಅರ್ಹತೆಗಳನ್ನುಳ್ಳವರೆಂದು ಪರಿಗಣಿತವಾಗಿರುವ ಕಾರಣ  
ಮೇಲೆ ಕಾಣಿಸಿದ ಪದವಿಗೆ ಅವರನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿದೆ

*has been duly admitted to the Degree of*

**Bachelor of Engineering**

*in recognition of the fulfilment of requirements  
for the said degree*



ಪರೀಕ್ಷಾ ಕ್ರಮ ಸಂಖ್ಯೆ

University Seat Number : **1BY18/S133**

ವಿಷಯ

Subject : **Information Science & Engineering**

ಶ್ರೇಣಿ

Class : **First Class with Distinction**

D<sub>23</sub> 24087

ವಿಶ್ವವಿದ್ಯಾಲಯದ ಮುದ್ರೆಯೊಂದಿಗೆ ಕೊಡಲ್ಪಟ್ಟಿದೆ  
Given under the seal of the University

Month & Year of Passing : **July 2022**

ಬೆಳಗಾವಿ

Belagavi

ದಿನಾಂಕ

Date : **FEB 24, 2023**

ಕುಲಪತಿ

VICE CHANCELLOR