



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

15OB 213132

**B.E Electronics & Communication Engineering January 2017**

Name of the Student : J VASUDEV

USN : 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                 | 15MAT11     | Engineering Maths-I                | 4                | 4                  | C            | 6               |
| 2                 | 15CHE12     | Engineering Chemistry              | 4                | 4                  | E            | 4               |
| 3                 | 15PCD13     | Programming in C & Data Structures | 4                | 4                  | D            | 5               |
| 4                 | 15CED14     | Computer Aided Engineering Drawing | 4                | 4                  | S+           | 10              |
| 5                 | 15ELN15     | Basic Electronics                  | 4                | 4                  | B            | 7               |
| 6                 | 15CPL16     | Computer Programming Lab.          | 2                | 2                  | A            | 8               |
| 7                 | 15CHEL17    | Engineering Chemistry Lab.         | 2                | 2                  | S            | 9               |
| 8                 | 15CIV18     | Environmental Studies              | 0                | 0                  | PP           | 0               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 24                 | 24             | 24                        | 162                      | 6.75 |      |

Medium of Instruction : English

Date : November 28, 2018



*Amritha*  
 Registrar (Evaluation)



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

150B 214421

B.E Electronics & Communication Engineering July 2017

Name of the Student : J VASUDEV

USN : 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                  | 15MAT21     | Engineering Maths-II                         | 4                | 0                  | F            | 0               |
| 2                  | 15PHY22     | Engineering Physics                          | 4                | 4                  | B            | 7               |
| 3                  | 15CIV23     | Elements of Civil Engg. & Mechanics          | 4                | 4                  | B            | 7               |
| 4                  | 15EME24     | Elements of Mechanical Engineering           | 4                | 4                  | B            | 7               |
| 5                  | 15ELE25     | Basic Electrical Engineering                 | 4                | 4                  | E            | 4               |
| 6                  | 15WSL26     | Workshop Practice                            | 2                | 2                  | S            | 9               |
| 7                  | 15PHYL27    | Engg. Physics Lab.                           | 2                | 2                  | A            | 8               |
| 8                  | 15CPH28     | Const. of India, Prof. Ethics & Human Rights | 0                | 0                  | PP           | 0               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 24                 | 20             | 44                        | 134                      | 5.58 | 6.7  |

Medium of Instruction : English

Date : November 29, 2018



*Registrar*

Registrar (Evaluation)



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

15OB 215656

B.E Electronics & Communication Engineering January 2018

Name of the Student : J VASUDEV

USN : 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                   | 15MAT31     | Engineering Mathematics - III  | 4                | 4                  | D            | 5               |
| 2                   | 15EC32      | Analog Electronics             | 4                | 4                  | C            | 6               |
| 3                   | 15EC33      | Digital Electronics            | 4                | 4                  | E            | 4               |
| 4                   | 15EC34      | Network Analysis               | 4                | 0                  | F            | 0               |
| 5                   | 15EC35      | Electronic Instrumentation     | 4                | 4                  | E            | 4               |
| 6                   | 15EC36      | Engineering Electromagnetics   | 4                | 0                  | F            | 0               |
| 7                   | 15ECL37     | Analog Electronics Lab         | 2                | 2                  | B            | 7               |
| 8                   | 15ECL38     | Digital Electronics Lab        | 2                | 2                  | A            | 8               |
| <b>III Semester</b> |             |                                |                  |                    |              |                 |
| 9                   | 15MAT21*    | Engineering Maths-II           | 4                | 0                  | F            | 0               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 32                 | 20             | 64                        | 106                      | 3.31 | 6.2  |

Medium of Instruction : English

Date : November 29, 2018



*Registrar*  
Registrar (Evaluation)



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

150B 216896

**B.E Electronics & Communication Engineering July 2018**

Name of the Student : J VASUDEV

USN : 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                   | 15MAT41     | Engineering Mathematics-IV          | 4                | 4                  | B            | 7               |
| 2                   | 15EC42      | Microprocessor                      | 4                | 4                  | E            | 4               |
| 3                   | 15EC43      | Control Systems                     | 4                | 4                  | E            | 4               |
| 4                   | 15EC44      | Signals and Systems                 | 4                | 0                  | F            | 0               |
| 5                   | 15EC45      | Principles of Communication Systems | 4                | 4                  | E            | 4               |
| 6                   | 15EC46      | Linear Integrated Circuits          | 4                | 4                  | E            | 4               |
| 7                   | 15ECL47     | Microprocessor Lab.                 | 2                | 2                  | A            | 8               |
| 8                   | 15ECL48     | Linear ICs and Communication Lab.   | 2                | 2                  | S            | 9               |
| <b>III Semester</b> |             |                                     |                  |                    |              |                 |
| 9                   | 15EC34*     | Network Analysis                    | 4                | 0                  | F            | 0               |
| 10                  | 15EC36*     | Engineering Electromagnetics        | 4                | 0                  | F            | 0               |
| <b>II Semester</b>  |             |                                     |                  |                    |              |                 |
| 11                  | 15MAT21*    | Engineering Maths-II                | 4                | 4                  | E            | 4               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 40                 | 28             | 92                        | 142                      | 3.55 | 5.9  |

Medium of Instruction : English

Date : November 29, 2018



*Amritha*  
Registrar (Evaluation)



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

KARNATAKA, INDIA  
**GRADE CARD**

150B 773282

B.E Electronics & Communication Engineering January 2019

Name of the Student : J VASUDEV

USN: 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                   | 15ES51      | Management & Entrepreneurship Development | 4                | 4                  | C            | 6               |
| 2                   | 15EC52      | Digital Signal Processing                 | 4                | 4                  | E            | 4               |
| 3                   | 15EC53      | Verilog HDL                               | 4                | 4                  | D            | 5               |
| 4                   | 15EC54      | Information Theory and Coding             | 4                | 4                  | E            | 4               |
| 5                   | 15EC555     | MSP430 Microcontroller                    | 3                | 3                  | B            | 7               |
| 6                   | 15ME563     | Automation and Robotics                   | 3                | 3                  | B            | 7               |
| 7                   | 15ECL57     | DSP Lab.                                  | 2                | 2                  | C            | 6               |
| 8                   | 15ECL58     | HDL Lab.                                  | 2                | 2                  | C            | 6               |
| <b>IV Semester</b>  |             |                                           |                  |                    |              |                 |
| 9                   | 15EC44*     | Signals and Systems                       | 4                | 4                  | E            | 4               |
| <b>III Semester</b> |             |                                           |                  |                    |              |                 |
| 10                  | 15EC34*     | Network Analysis                          | 4                | 4                  | E            | 4               |
| 11                  | 15EC36*     | Engineering Electromagnetics              | 4                | 0                  | F            | 0               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 38                 | 34             | 126                       | 174                      | 4.58 | 5.70 |

Medium of instruction: English

Date: August 19, 2019



Registrar (Evaluation)



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

150B 910247

B.E Electronics & Communication Engineering July 2019

Name of the Student : J VASUDEV

USN: 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                   | 15EC61      | Digital Communication                  | 4                | 4                  | E            | 4               |
| 2                   | 15EC62      | ARM Microcontroller & Embedded Systems | 4                | 4                  | E            | 4               |
| 3                   | 15EC63      | VLSI Design                            | 4                | 0                  | F            | 0               |
| 4                   | 15EC64      | Computer Communication Networks        | 4                | 4                  | E            | 4               |
| 5                   | 15EC651     | Cellular Mobile Communication          | 3                | 3                  | D            | 5               |
| 6                   | 15EC663     | Digital System Design using Verilog    | 3                | 0                  | F            | 0               |
| 7                   | 15ECL67     | Embedded Controller Lab.               | 2                | 2                  | C            | 6               |
| 8                   | 15ECL68     | Computer Networks Lab.                 | 2                | 2                  | B            | 7               |
| <b>III Semester</b> |             |                                        |                  |                    |              |                 |
| 9                   | 15EC36*     | Engineering Electromagnetics           | 4                | 0                  | F            | 0               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 30                 | 19             | 145                       | 89                       | 2.97 | 5.57 |

Medium of instruction: English

Date: January 03, 2020



Registrar (Evaluation)



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ  
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI

KARNATAKA, INDIA

GRADE CARD

15OB 974664

B.E. Electronics & Communication Engineering January 2020

Name of the Student : J VASUDEV

USN: 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                   | 15EC71      | Microwave and Antennas              | 4                | 4                  | C            | 6               |
| 2                   | 15EC72      | Digital Image Processing            | 4                | 4                  | E            | 4               |
| 3                   | 15EC73      | Power Electronics                   | 4                | 0                  | F            | 0               |
| 4                   | 15EC743     | Real Time Systems                   | 3                | 3                  | C            | 6               |
| 5                   | 15EC752     | IoT and Wireless Sensor Networks    | 3                | 3                  | C            | 6               |
| 6                   | 15ECL76     | Advanced Communication Lab.         | 2                | 2                  | C            | 6               |
| 7                   | 15ECL77     | VLSI Lab.                           | 2                | 2                  | A            | 8               |
| 8                   | 15ECP78     | Project Phase - I + Seminar         | 2                | 2                  | S            | 9               |
| <b>VI Semester</b>  |             |                                     |                  |                    |              |                 |
| 9                   | 15EC63*     | VLSI Design                         | 4                | 4                  | E            | 4               |
| 10                  | 15EC663*    | Digital System Design using Verilog | 3                | 3                  | E            | 4               |
| <b>III Semester</b> |             |                                     |                  |                    |              |                 |
| 11                  | 15EC36*     | Engineering Electromagnetics        | 4                | 4                  | E            | 4               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 35                 | 31             | 176                       | 166                      | 4.74 | 5.53 |

Medium of instruction: English

Date: September 30, 2020



*[Signature]*  
Registrar (Evaluation)



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

15OB 1075878

**B.E. Electronics & Communication Engineering August 2020**

Name of the Student : J VASUDEV

USN: 1AT16EC057

Father's / Mother's Name : JAYARAM

Name of the College : ATRIA INSTITUTE OF TECHNOLOGY, ANAND NAGAR, 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                    | 15EC81      | Wireless Cellular and LTE 4G Broadband | 4                | 4                  | C            | 6               |
| 2                    | 15EC82      | Fiber Optics & Networks                | 4                | 4                  | C            | 6               |
| 3                    | 15EC832     | Speech Processing                      | 3                | 3                  | C            | 6               |
| 4                    | 15EC84      | Internship/Professional Practice       | 2                | 2                  | S            | 9               |
| 5                    | 15ECP85     | Project Work                           | 6                | 6                  | S+           | 10              |
| 6                    | 15ECS86     | Seminar                                | 1                | 1                  | S            | 9               |
| <b>VII Semester</b>  |             |                                        |                  |                    |              |                 |
| 7                    | 15EC73*     | Power Electronics                      | 4                | 4                  | E            | 4               |

\* Repeated Exam.

| Credits Registered | Credits Earned | Cumulative Credits Earned | $\Sigma(C_i \times G_i)$ | SGPA | CGPA |
|--------------------|----------------|---------------------------|--------------------------|------|------|
| 24                 | 24             | 200                       | 169                      | 7.04 | 5.71 |

Medium of instruction: English

Date: March 26, 2021



*Rangaswamy B.E*  
 Registrar (Evaluation)