



Indian Institute of Space Science and Technology

(Declared as Deemed to be University under Section 3 of the UGC Act, 1956)

Thiruvananthapuram

CONSOLIDATED GRADE STATEMENT

| | | | | |
|-----------------|----------------|----------------------------|--------------------------------|----------|
| Name | DURGESH KALWAR | | Roll No. | SC19M077 |
| Programme | M.Tech. | Branch | Machine Learning and Computing | |
| Period of Study | 2019-2021 | Month & Year of Completion | June 2021 | |

| Course Code | Title | Credits | Grade | No. of Appearances | Month & Year of Passing |
|------------------------|--|---------|-------|--------------------|-------------------------|
| First Semester | | | | | |
| MA611 | Optimization Techniques | 3 | A | 1 | Dec 2019 |
| MA613 | Data Mining | 4 | S | 1 | Dec 2019 |
| MA617 | Numerical Linear Algebra | 3 | S | 1 | Dec 2019 |
| MA618 | Foundations of Machine Learning | 4 | A | 1 | Dec 2019 |
| MA869 | Discrete Mathematics and Graph Theory | 3 | S | 1 | Dec 2019 |
| MA632 | Data Modeling Lab | 2 | S | 1 | Dec 2019 |
| Second Semester | | | | | |
| MA624 | Advanced Machine Learning | 3 | S | 1 | Aug 2020 |
| MA625 | Statistical Models and Analysis | 3 | A | 1 | Aug 2020 |
| MA872 | Advanced Optimization | 3 | S | 1 | Aug 2020 |
| MA873 | Graphical and Deep Learning Models | 3 | S | 1 | Aug 2020 |
| AVD871 | Applied Markov Decision Processes and Reinforcement Learning | 3 | S | 1 | Aug 2020 |
| MA642 | Data Modeling Lab II | 2 | S | 1 | Aug 2020 |
| MA643 | Statistical Modeling Lab | 1 | S | 1 | Aug 2020 |
| MA644 | Advanced Machine Learning Lab | 1 | S | 1 | Aug 2020 |
| Third Semester | | | | | |
| MA851 | Seminar | 1 | S | 1 | Feb 2021 |
| MA852 | Project Work - Phase I | 14 | S | 1 | Feb 2021 |
| Fourth Semester | | | | | |
| MA853 | Project Work - Phase II | 17 | S | 1 | Jun 2021 |

Summary: Grade Point Average (GPA) on a 10 point scale

| Semester | I | II | III | IV |
|---------------------------|------|------|-------|-------|
| Semester GPA | 9.63 | 9.84 | 10.00 | 10.00 |
| Credits | 19 | 19 | 15 | 17 |
| Cumulative Credits Earned | 19 | 38 | 53 | 70 |

Cumulative Grade Point Average (CGPA) is 9.86

| Index for Grades | | | | | | |
|------------------|---|---|---|---|---|---|
| S | A | B | C | D | E | F |
| 10 | 9 | 8 | 7 | 6 | 5 | 0 |

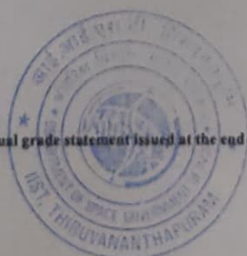
Audited Course(s)

AVC881 Modelling and Control of Robotic Systems

Note: This consolidated grade statement is given in addition to the individual grade statement issued at the end of each semester.

जांच की और सही पाया
VERIFIED AND FOUND CORRECT

उप कुलसचिव (एकेडमिक्स) / Dy Registrar (Academics)
भारतीय अंतरिक्ष विज्ञान एवं प्रौद्योगिकी संस्थान
Indian Institute of Space Science and Technology
तिरुवनन्तपुरम/Thiruvananthapuram-695 547



Completed
Successfully
जांच की और अनुमोदित
VERIFIED AND ATTESTED

[Signature]
कुलसचिव / Registrar

भारतीय अंतरिक्ष विज्ञान एवं प्रौद्योगिकी संस्थान
Indian Institute of Space Science and Technology
तिरुवनन्तपुरम/Thiruvananthapuram - 695 547

Date : 14 DEC 2021



[Signature]
Deputy Registrar (Academics)



CONSOLIDATED GRADE REPORT
(U.G. PROGRAMMES)

Name : DURGESH KALWAR
Admission No. : U14EE062

Discipline : B. Tech. (Electrical Engineering)

| Code | Course Name | Credits | Grade Obtained | Code | Course Name | Credits | Grade Obtained |
|------------------------------|-----------------------------------|---------------------|-------------------|-----------------------------|---|---------------------|-------------------|
| FIRST SEMESTER (2014-2015) | | | | SECOND SEMESTER (2014-2015) | | | |
| Theory : | | | | Theory : | | | |
| ASM 101 T | Engineering Mathematics – I | 4.0 | AB | ASM 201 T | Engineering Mathematics – II | 4.0 | AA |
| ELE 107 DEF T | Electro-Techniques | 4.0 | AA | ASP 202 DEF T | Engineering Physics | 3.0 | BB |
| COM 108 DEF T | Fund. of Comp. & Programming | 3.0 | AB | ASC 203 DEF T | Engineering Chemistry | 3.0 | AA |
| ECE 109 DEF T | Basics of Electronics Engineering | 3.0 | AB | AMD 204 DEF T | Engineering Mechanics | 3.0 | AB |
| MED 110 DEF T | Basic Mechanical Systems | 3.0 | AA | CIME 205 DEF T | Engineering Drawing | 2.0 | BB |
| ASE 111 DEF T | English & Communication Skills | 2.0 | AB | CICH 206 DEF T | Basic of Civil & Envi. Engineering | 4.0 | AB |
| Practical : | | | | Practical : | | | |
| ELE 107 DEF P | Electro-Techniques | 1.0 | BB | ASP 202 DEF P | Engineering Physics | 1.0 | AB |
| COM 108 DEF P | Fund. of Comp. & Programming | 1.0 | AB | ASC 203 DEF P | Engineering Chemistry | 1.0 | AB |
| ECE 109 DEF P | Basics of Electronics Engineering | 1.0 | AA | AMD 204 DEF P | Engineering Mechanics | 1.0 | AA |
| MED 110 DEF P | Basic Mechanical Systems | 1.0 | AB | CIME 205 DEF P | Engineering Drawing | 2.0 | AB |
| MED 112 DEF P | Workshop Practice | 2.0 | AB | CICH 206 DEF P | Basic of Civil & Envi. Engineering | 1.0 | BB |
| S.G.P.A. : 9.28 | C.G.P.A. : 9.28 | Earned Credit : 25 | | S.G.P.A. : 9.08 | C.G.P.A. : 9.18 | Earned Credit : 50 | |
| THIRD SEMESTER (2015-2016) | | | | FOURTH SEMESTER (2015-2016) | | | |
| Theory : | | | | Theory : | | | |
| MH 201 T | Engineering Mathematics – III | 4.0 | BB | ME 212 T | Applied Thermodynamics & Thermal Engineering | 3.0 | AB |
| EC 209 T | Linear Electronics | 3.0 | AB | EC 212 T | Digital Circuits | 3.0 | AB |
| EE 201 T | Electrical Circuits | 5.0 | AB | EE 202 T | Network and Systems | 5.0 | AA |
| EE 203 T | Electrical Machines – I | 4.0 | AB | EE 204 T | Electrical Machines – II | 4.0 | AB |
| CE 209 T | Solid and Fluid Mechanics | 4.0 | AB | EE 206 T | Comp. Applications for Elect. Enng. | 4.0 | AA |
| Practical : | | | | Practical : | | | |
| EC 209 P | Linear Electronics | 1.0 | BB | EC 212 P | Digital Circuits | 1.0 | AA |
| EE 203 P | Electrical Machines – I | 1.0 | BB | EE 204 P | Electrical Machines – II | 1.0 | AB |
| | | | | EE 206 P | Comp. Applications for Elect. Enng. | 1.0 | BB |
| S.G.P.A. : 8.73 | C.G.P.A. : 9.04 | Earned Credit : 72 | | S.G.P.A. : 9.41 | C.G.P.A. : 9.13 | Earned Credit : 94 | |
| FIFTH SEMESTER (2016-2017) | | | | SIXTH SEMESTER (2016-2017) | | | |
| Theory : | | | | Theory : | | | |
| EE 301 T | Elements of Power Systems | 4.0 | AB | EE 302 T | Microcontroller & Embedded System | 4.0 | BB |
| EE 303 T | Control Systems | 4.0 | AB | EE 304 T | Power Systems Analysis | 4.0 | BB |
| EE 305 T | Electrical Measurements | 4.0 | AB | EE 306 T | Power Electronic Converters | 4.0 | AB |
| EE 307 T | Microprocessor & Microcontrollers | 4.0 | BB | EE 308 T | Instrumentation | 4.0 | AB |
| MH 305 T | Marketing Management (EIS-I) | 3.0 | BB | EC 316 T | Image Processing & Comp Vision (EIS-II) | 3.0 | BB |
| Practical : | | | | Practical : | | | |
| EE 301 P | Elements of Power Systems | 1.0 | AB | EE 302 P | Microcontroller & Embedded System | 1.0 | AB |
| EE 303 P | Control Systems | 1.0 | BB | EE 304 P | Power Systems Analysis | 1.0 | BB |
| EE 305 P | Electrical Measurements | 1.0 | BB | EE 306 P | Power Electronic Converters | 1.0 | BB |
| EE 307 P | Microprocessor & Microcontrollers | 1.0 | AB | EE 308 P | Instrumentation | 1.0 | BB |
| 8.61 | C.G.P.A. : 9.03 | Earned Credit : 117 | | S.G.P.A. : 8.39 | C.G.P.A. : 8.92 | Earned Credit : 140 | |
| SEVENTH SEMESTER (2017-2018) | | | | EIGHTH SEMESTER (2017-2018) | | | |
| Theory : | | | | Theory : | | | |
| EE 401 T | Electronic Instrumentation | 4.0 | AB | EE 402 T | Power System Operation and Control | 4.0 | AB |
| EE 403 T | Electrical Drives | 4.0 | BC | EE 404 T | Electrical Machine Design | 4.0 | BB |
| EE 405 T | Switch Gear & Protection | 4.0 | BB | EE 406 T | Advanced Power Electronics Converters & Applications | 4.0 | AB |
| EE 419 T | Digital Signal Processing (ES-I) | 4.0 | AB | EE 416 T | Computer Methods in Power System Analysis (ES-II) | 4.0 | AB |
| Practical : | | | | Practical : | | | |
| EE 403 P | Electrical Drives | 1.0 | BB | EE 408 P | Project | 6.0 | AB |
| EE 405 P | Switch Gear & Protection | 1.0 | BB | | | | |
| EE 407 P | Seminar | 1.0 | AB | | | | |
| EE 409 P | Project Preliminary | 2.0 | BC | | | | |
| S.G.P.A. : 8.14 | C.G.P.A. : 8.82 | Earned Credit : 161 | | S.G.P.A. : 8.82 | C.G.P.A. : 8.82 | Earned Credit : 183 | |

NOTE : 1. Semester Grade Point Average (S.G.P.A.) and Cumulative Grade Point Average (C.G.P.A.) are on a 10 point Scale.
2. The medium of instruction and examination is English at this Institution.

DATE : 09 / 01 / 2020



I/c. DEPUTY REGISTRAR (ACAD)