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|------------------------|-----------------------|---------|------------|
| Roll no | 200010078 | Name | S M Kushal |
| Department | Aerospace Engineering | Program | B.Tech. |
| Category (Refer rules) | | 2 | |

- Payment
- Performance Summary
- Graduation Requirements
- Personal Information
- Forms/Requests

Academic Performance Summary

| Year | Sem | SPI | CPI | Sem Credits Used for SPI | Completed Semester Credits | Cumulative Credits Used for CPI | Completed Cumulative Credits |
|------|--------|------|------|--------------------------|----------------------------|---------------------------------|------------------------------|
| 2022 | Spring | 7.59 | 6.64 | 27.0 | 27.0 | 205.0 | 205.0 |
| 2022 | Autumn | 5.77 | 6.49 | 39.0 | 39.0 | 178.0 | 178.0 |
| 2021 | Spring | 5.74 | 6.7 | 38.0 | 38.0 | 139.0 | 139.0 |
| 2021 | Autumn | 6.78 | 7.06 | 36.0 | 36.0 | 101.0 | 101.0 |
| 2020 | Spring | 6.31 | 7.22 | 32.0 | 32.0 | 65.0 | 65.0 |
| 2020 | Autumn | 8.09 | 8.09 | 33.0 | 33.0 | 33.0 | 33.0 |

Semester-wise Details

*This registration is subject to approval(s) from faculty advisor/Course Instructor/Academic office.

Year/Semester: 2023-24/Autumn

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|---|---------|---------------------|--------------|--------------|
| AE 407 | Modelling and Simulation | 6.0 | Core course | Not allotted | C |
| AE 410 | Navigation and Guidance | 6.0 | Core course | Not allotted | C |
| AE 667 | Rotary Wing Aerodynamics | 6.0 | Department elective | Not allotted | C |
| CS 747 | Foundations of Intelligent and Learning Agents | 6.0 | Additional Learning | Not allotted | C |
| CS 781 | Formal Methods in Machine Learning | 6.0 | Additional Learning | Not allotted | C |
| ES 200 (S2) | Environmental Studies: Science and Engineering Second Half | 3.0 | Core course | Not allotted | C |
| HS 200 (S2) | Environmental Studies First Half | 3.0 | Core course | Not allotted | C |

Year/Semester: 2022-23/Spring

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|---|---------|---------------------|-------|--------------|
| AE 305 | Flight Mechanics II | 6.0 | Core course | BB | C |
| AE 312 | Aerodynamics Laboratory | 5.0 | Core course | AB | C |
| AE 316 | Aircraft Propulsion Laboratory | 5.0 | Core course | BC | C |
| AE 332 | Aircraft Design | 6.0 | Core course | BC | C |
| AE 427 | Control Systems Laboratory | 5.0 | Core course | BC | C |
| HS 449 | Capitalism : theories, histories, varieties | 6.0 | Additional Learning | BC | C |
| IE 506 | Machine Learning: Principles and Techniques | 6.0 | Additional Learning | W | C |

Year/Semester: 2022-23/Autumn

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|--|---------|---------------------|-------|--------------|
| AE 308 | Control Theory | 6.0 | Core course | BC | C |
| AE 314 | Aircraft Structures Laboratory | 5.0 | Core course | AB | C |
| AE 326 | Vibrations and Structural Dynamics | 6.0 | Core course | CC | C |
| AE 330 | Aerospace Propulsion | 6.0 | Core course | CD | C |
| AE 333 | Aerodynamics | 6.0 | Core course | BC | C |
| AE 651 | Aerodynamics of Compressors and Turbines | 6.0 | Additional Learning | DD | C |
| DE 625 | Introduction to Filmmaking | 4.0 | Department elective | FR | C |
| DE 629 | Introduction to Photography | 2.0 | Additional Learning | FR | C |
| GC 101 | Gender in the workplace | 0.0 | Core course | PP | N |
| HS 301 | Philosophy | 6.0 | HSS elective | CD | C |

Year/Semester: 2021-22/Spring

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|------------------------------------|---------|-------------|-------|--------------|
| AE 234 | Aircraft Propulsion | 6.0 | Core course | BC | C |
| AE 236 | Compressible Fluid Mechanics | 6.0 | Core course | CD | C |
| AE 238 | Aerospace Structural Mechanics | 6.0 | Core course | CC | C |
| AE 240 | Spaceflight Mechanics | 6.0 | Core course | BC | C |
| AE 242 | Aerospace Measurements Laboratory | 6.0 | Core course | CC | C |
| MA 214 (S1) | Introduction to Numerical Analysis | 8.0 | Core course | DD | C |

Year/Semester: 2021-22/Autumn

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|---|---------|-------------|-------|--------------|
| AE 223 | Thermodynamics and Propulsion | 6.0 | Core course | CC | C |
| AE 225 | Incompressible Fluid Mechanics | 6.0 | Core course | BC | C |
| AE 227 | Solid Mechanics | 6.0 | Core course | CD | C |
| EE 101 (S4) | Introduction to Electrical and Electronics Circuits | 8.0 | Core course | BB | C |
| HS 101 (S2) | Economics | 6.0 | Core course | BB | C |
| MA 207 (S1) | Differential Equations II Second Half | 4.0 | Core course | CC | C |
| SC 639 (M) | Mathematical Structures for Control | 6.0 | Minor | BC | C |

Year/Semester: 2020-21/Spring

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|-------------|----------------------------------|---------|-------------|-------|--------------|
| AE 102 | Data Analysis and Interpretation | 6.0 | Core course | BC | C |
| AE 152 | Introduction to Aerospace Engg. | 6.0 | Core course | BC | C |
| BB 101 (D2) | Biology First Half | 6.0 | Core course | CC | C |

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|-------------|---|-----|-------------|----|---|
| MA 106 (D2) | Linear Algebra First Half | 4.0 | Core course | CC | C |
| MA 108 (D2) | Differential Equations Second Half | 4.0 | Core course | DD | C |
| PH 108 (D2) | Basics of Electricity & Magnetism First Half | 6.0 | Core course | BC | C |

Year/Semester: 2020-21/Autumn

| Course Code | Course Name | Credits | Tag | Grade | Credit/Audit |
|--------------|---|---------|-------------|-------|--------------|
| CH 105 (S5) | Organic & Inorganic Chemistry First Half | 4.0 | Core course | BB | C |
| CH 107 (D2) | Physical Chemistry Second Half | 4.0 | Core course | CC | C |
| CS 101 (D2) | Computer Programming and Utilization | 6.0 | Core course | BC | C |
| MA 109 (D2) | Calculus I First Half | 4.0 | Core course | BB | C |
| MA 111 (D2) | Calculus II Second Half | 4.0 | Core course | BB | C |
| ME 119 (P12) | Engineering Graphics & Drawing | 5.0 | Core course | AB | C |
| NOC501 | NCC/NSS/NSO | 0.0 | Core course | PP | N |
| PH 107 (D2) | Quantum Physics and Application | 6.0 | Core course | AA | C |