

Indian Institute of Space Science and Technology  
Thiruvananthapuram - 695 547  
Class Time Table for II Semester PG Programmes  
Even Semester Jan - May 2024-2025  
Department of Avionics

| Period | Time | 1<br>09:00-09:50 | 2<br>09:55-10:45 | 3<br>11:00-11:50 | 4<br>11:55-12:45 | 5<br>12:45-13:45      | 6<br>13:45-14:35 | 14:45-17:15 |
|--------|------|------------------|------------------|------------------|------------------|-----------------------|------------------|-------------|
| Mon    |      | A                | F                | E                | D                | L<br>U<br>N<br>C<br>H | V                |             |
| Tue    |      | B                | G                | F                | E                |                       | H                | W           |
| Wed    |      | C                | G                | A                | F                |                       | H                | X(SEMINAR)  |
| Thu    |      | D                | C                | B                | A                |                       | H                | Y           |
| Fri    |      | E                | D                | C                | B                |                       | G                | Z           |

| M.Tech. Control Systems |        |      |                                                     |                     |
|-------------------------|--------|------|-----------------------------------------------------|---------------------|
| Course Code             | Credit | Slot | Course Title                                        | Faculty             |
| AVC622                  | 3      | A    | Nonlinear Control Systems                           | Dr.Harsha Simha.M.S |
| AVC863                  | 3      | C    | Elective - Adaptive Control                         | Dr.N.Selvaganesan   |
| AVC621                  | 3      | E    | Optimal Control Systems                             | Dr.Priyadarshnam    |
| AVCXXX                  | 3      | G    | Elective - Introduction to Complex Systems          | Dr.Harsha Simha.M.S |
| AVC866                  | 3      | H    | Elective - Modelling and Control of Robotic Systems | Dr. Sam Zachariah   |
|                         | 3      |      | Elective – Swayam course                            |                     |
| AVC852                  | 3      |      | Control System Design Project                       |                     |

| M.Tech. Digital Signal Processing |        |      |                                            |                       |
|-----------------------------------|--------|------|--------------------------------------------|-----------------------|
| Course Code                       | Credit | Slot | Course Title                               | Faculty               |
| AVM867                            | 3      | B    | Elective - VLSI Signal Processing          | Dr. Sheeba Rani.J     |
| AVD622                            | 3      | C    | Signal Processing for Communication        | Dr.Vanidevi.M         |
| AVD621                            | 3      | D    | Estimation and Detection Theory            | Dr.Lakshminarayanan.R |
| AVC621                            | 3      | E    | Optimal Control Systems                    | Dr.Priyadarshnam      |
| AVCXXX                            | 3      | G    | Elective - Introduction to Complex Systems | Dr.Harsha Simha.M.S   |
| AVD624                            | 3      | H    | Elective - Computer Vision                 | Dr.Deepak Mishra      |
|                                   |        |      | Elective- Swayam Course                    |                       |
| AVD851                            | 1      |      | Innovative Design Project                  | Dr. Chris Prema.S     |
|                                   | 1      | Z    | Signal Processing for Communication Lab    | Dr.Vanidevi.M         |

| M.Tech. RF and Microwave Engineering |        |      |                                                        |                                     |
|--------------------------------------|--------|------|--------------------------------------------------------|-------------------------------------|
| Course Code                          | Credit | Slot | Course Title                                           | Faculty                             |
| AVR622                               | 3      | A    | Computational Methods for Electromagnetics             | Dr.Basudeb Ghosh                    |
| AVR621                               | 3      | B    | Antenna Theory and Design                              | Dr.Basudev Majumder                 |
| AVR873                               | 3      | D    | Elective - Radar Systems                               | Dr.Basudeb Ghosh                    |
| AVR871                               | 3      | F    | Elective- Electromagnetic and Mw App. of Metamaterials | Dr.Chinmoy Saha                     |
| AVM862                               | 3      | G    | Elective - RF Integrated Circuits                      | Dr.Immanuel Raja                    |
|                                      |        |      | Elective - Swayam                                      |                                     |
| AVRD01                               | 2      | Z    | RF Engineering Design                                  |                                     |
| AVR851                               |        |      | Seminar II                                             |                                     |
| AVR641                               | 1      | V    | Antenna Design Lab                                     | Dr.Basudev Majumder                 |
| M.Tech. VLSI and Microsystems        |        |      |                                                        |                                     |
| Course Code                          | Credit | Slot | Course Title                                           | Faculty                             |
| AVM867                               | 3      | B    | Elective - VLSI Signal Processing                      | Dr. Sheeba Rani.J                   |
| AVM622                               | 3      | D    | Micro/Nano Fabrication Technology                      | Dr.Seena.V                          |
| AVM862                               | 3      | G    | Elective - RF Integrated Circuits                      | Dr.Immanuel Raja                    |
| AVD624                               | 3      | H    | Elective - Computer Vision                             | Dr.Deepak Mishra                    |
|                                      | 3      |      | Elective - Swayam Course                               |                                     |
| AVM641                               | 1      | Y    | MEMS Lab                                               | Dr.Seena.V                          |
| AVM643                               | 2      |      | Engineering Design project                             | Dr.Palash Kumar Basu                |
| AVM642                               | 1      | Z    | Microelectronics Lab                                   | Dr. Sooraj R., Dr.Palash Kumar Basu |
| M.Tech. Power Electronics            |        |      |                                                        |                                     |
| Course Code                          | Credit | Slot | Course Title                                           | Faculty                             |
| AVP818                               | 3      | A    | Soft Switched Converters: Theory and design            | Dr.Anindya Dasgupta                 |
| AVP621                               | 3      | B    | Control of Electric Drives                             | Dr. Rajeevan P. P.                  |
| AVC863                               | 3      | C    | Elective - Adaptive Control                            | Dr.N.Selvaganesan                   |
| AVC621                               | 3      | E    | Optimal Control Systems                                | Dr.Priyadarshnam                    |
| AVP816                               | 3      | F    | Electronic Systems Design                              | Dr. Sudharshan Kaarthick            |
|                                      | 3      |      | Elective – Swayam course                               |                                     |
| AVP641                               | 1      | Z    | Advanced Power Electronics Lab - II                    | Dr. Rajeevan P. P.                  |
| AVP851                               | 1      | Y    | Real-time Controllers for Power Apparatus Lab          | Dr. Sudharshan Kaarthick            |