



## Shri G. S. institute of Technology & Science, Indore

Govt. Aided Autonomous Institute Estd. In 1952

Affiliated to Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal & Devi Ahilya Vishwavidyalaya, Indore 23 Sir M. Visvesvaraya Marg,  
Indore, Madhya Pradesh 452003 [www.sgsits.ac.in](http://www.sgsits.ac.in)

### Department Of Electronics & Instrumentation Engineering

#### PO Direct Articulation for Batch(2020-2024)

| S.No. | SEMESTER               | CATEGORY   | Code    | Theory/Practical | PO1 | PO2  | PO3  | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------|------------------------|------------|---------|------------------|-----|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1     | III SEM July-Dec 2021  | PC-1       | EI27001 | T+P              | 1.8 | 1.75 | 1.3  | 1   | 1   | 2   |     |     |     |      |      | 1    |
| 2     |                        | PC-2       | EI27002 | T+P              | 2.8 | 2.3  | 2.5  | 2.3 | 1.8 |     | 2.0 |     | 2.0 |      |      |      |
| 3     |                        | PC-3       | EI27003 | T+P              | 2.3 | 2.0  | 1.9  | 1.6 |     |     |     |     |     |      |      |      |
| 4     |                        | BSC-3      | MA27014 | T                | 3   | 3    | 3    |     |     |     |     |     |     |      |      |      |
| 5     |                        | PLC-1      | EI27498 | P                | 3   | 2    | 1.66 | 1   |     |     | 2   |     | 3   | 3    | 3    | 1.7  |
| 6     | IV SEM Jan - June 2022 | PC-4       | EI27501 | T+P              | 3   | 2.3  | 2.5  | 2   | 2   | 2   | 2.3 |     |     | 2    |      | 2.7  |
| 7     |                        | PC-5       | EI27551 | T+P              | 3   | 2.5  | 2    | 1   | 1   | 2   |     |     |     |      |      |      |
| 8     |                        | PC-6       | EI27562 | T+P              | 3   | 2.5  | 2    |     |     |     |     |     | 1   | 1    |      |      |
| 9     |                        | BSC-4      | MA27563 | T                | 3   | 3    | 3    |     |     |     |     |     |     |      |      |      |
| 10    |                        | DLC-2      | EI27992 | P                | 3   | 2.2  | 2.5  |     | 1   |     |     |     |     |      |      | 3    |
| 11    | V SEM July-Dec 2022    | PEC-1      | IP37251 | T+P              | 3   |      |      |     |     | 2.5 | 2   | 2.2 |     |      |      | 2    |
| 12    |                        | PC-7       | EI37006 | T+P              | 3   | 2.3  | 2.5  | 2   | 2   | 2   | 2.3 |     |     | 2    |      | 2.2  |
| 13    |                        | PC-7       | EE37003 | T+P              | 2   | 1    | 2    | 2   | 1   |     |     |     |     |      |      |      |
| 14    |                        | PC-8       | EC37014 | T                | 3   | 2.2  | 2.5  | 2   | 1   |     |     |     |     | 1    |      | 2.2  |
| 15    |                        | PLC-3      | EI37481 | P                | 3   | 2    | 2    |     |     |     | 1.5 |     |     |      |      | 2    |
| 16    |                        | Internship | EI37482 | P                | 2   | 2    | 2.3  | 1   | 2   | 2   | 2   | 2.5 | 1.5 | 3    | 2.3  | 3    |
| 17    | VI SEM Jan-June 2023   | PC-11      | EI37511 | T+P              | 2   | 1.25 | 2.25 | 1   | 2   |     |     |     |     |      |      | 1.5  |
| 18    |                        | PC-12      | EI37513 | T                | 3   | 2.75 | 2.3  | 2   | 2   |     |     |     |     |      |      |      |
| 19    |                        | PC-13      | EC37512 | T                | 3   | 3    | 2.8  | 2.8 | 1   |     |     |     | 1.8 | 3    | 2    | 2    |
| 20    |                        | PC-14      | ME37502 | T+P              | 3   | 1.25 | 0.5  |     |     |     |     |     |     |      |      |      |
| 21    |                        | PEC-2      | EI37701 | T+P              | 1.7 | 1.5  | 2.5  | 1.7 | 1   | 1   | 1.5 | 1   | 1   | 2    | 1.5  | 1    |
| 22    |                        | PLC-4      | EI37991 | P                | 3   | 2.5  | 2    |     | 2   | 1   | 1   |     | 3   | 3    | 3    | 3    |
| 23    |                        | PC-15      | EI47053 | T+P              | 3   | 1.8  | 1.4  | 2   | 1.8 |     | 1   |     |     |      |      | 1.75 |

|                         |                            |            |         |     |      |     |      |     |      |      |     |     |     |     |      |     |
|-------------------------|----------------------------|------------|---------|-----|------|-----|------|-----|------|------|-----|-----|-----|-----|------|-----|
| 24                      | VII SEM July-<br>Dec 2023  | PC-17      | EI47055 | T+P | 3    | 2   | 2.25 | 2   | 2.85 | 1.66 | 2   |     |     | 2   | 2.33 | 1   |
| 25                      |                            | PC-16      | EE47002 | T+P | 3    | 3   | 3    | 1   |      |      |     |     |     |     |      |     |
| 26                      |                            | PEC-3      | EI47257 | T   | 2.5  | 2   | 2.5  |     |      |      |     |     |     |     |      |     |
| 27                      |                            | PEC-4      | EI47322 | T   | 2.5  | 2   | 1    |     |      |      | 2.5 |     |     |     |      | 2   |
| 28                      |                            | PLC-5      | EI47499 | P   | 2.5  | 2.3 | 3    | 1.5 | 2    | 1    | 1.5 | 1   | 2.5 | 3   | 3    | 2   |
| 29                      | VIII SEM Jan-<br>June 2024 | PEC-6      | EI47776 | T   | N    | P   | T    | E   | L    |      |     |     |     |     |      |     |
| 30                      |                            | PEC-5      | BM47613 | T   | N    | P   | T    | E   | L    |      |     |     |     |     |      |     |
| 31                      |                            | PLC-6      | EI47999 | P   | 2.5  | 2.3 | 3    | 2   | 3    | 1.2  | 2   | 1.5 | 2.5 | 3   | 3    | 2   |
| 32                      |                            | Internship | EI47881 | P   | 2.5  | 2.8 | 1.6  | 1   | 1.5  | 2    | 2   | 1   | 1   | 1.5 | 2    | 2   |
| Average PO articulation |                            |            |         |     | 2.67 | 2.1 | 1.91 | 2   | 2    | 1.5  | 1.7 | 1.5 | 1.8 | 1.6 | 2    | 1.9 |

### PO Direct Attainment for Batch(2020-24)

| S.No. | SEMESTER                  | CATEGORY   | Code    | Theory/<br>Practical | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------|---------------------------|------------|---------|----------------------|------|------|------|------|------|------|-----|-----|-----|------|------|------|
| 1     | III SEM July-<br>Dec 2021 | PC-1       | EI27001 | T+P                  | 1.8  | 1.7  | 1.3  | 1.0  | 1.0  | 1.9  |     |     |     |      |      | 1.0  |
| 2     |                           | PC-2       | EI27002 | T+P                  | 2.6  | 2.2  | 2.3  | 2.1  | 1.6  |      | 1.9 |     | 1.9 |      |      |      |
| 3     |                           | PC-3       | EI27003 | T+P                  | 2.2  | 1.9  | 1.8  | 1.6  |      |      |     |     |     |      |      |      |
| 4     |                           | BSC-3      | MA27014 | T                    | 3    | 3    | 2.8  |      |      |      |     |     |     |      |      |      |
| 5     |                           | PLC-1      | EI27498 | P                    | 2.3  | 2.1  | 1    | 0.5  |      |      | 1.8 |     | 2.6 | 2.5  | 2.7  | 1.5  |
| 6     | IV SEM Jan -<br>June 2022 | PC-4       | EI27501 | T+P                  | 1.8  | 1.6  | 1.7  | 1.4  | 1.5  | 1.3  | 1.3 |     |     | 1.5  |      | 1.3  |
| 7     |                           | PC-5       | EI27551 | T+P                  | 2.21 | 1.86 | 1.53 | 0.72 | 0.95 | 1.76 |     |     |     |      |      |      |
| 8     |                           | PC-6       | EI27562 | T+P                  | 2    | 2    | 1.6  |      |      |      |     |     | 0.8 | 0.8  |      |      |
| 9     |                           | BSC-4      | MA27563 | T                    | 2.8  | 2.8  | 2.8  |      |      |      |     |     |     |      |      |      |
| 10    |                           | DLC-2      | EI27992 | P                    | 2.4  | 1.8  | 2.1  |      | 0.4  |      |     |     |     |      |      | 2.5  |
| 11    | V SEM July<br>Dec 2022    | PEC-1      | IP37251 | T+P                  | 2.2  |      |      |      |      | 1.9  | 1.6 | 2   |     |      |      | 1.8  |
| 12    |                           | PC-7       | EI37006 | T+P                  | 2.5  | 2    | 2.1  | 1.9  | 2    | 1.7  | 2.1 |     |     | 1.5  |      | 2    |
| 13    |                           | PC-7       | EE37003 | T+P                  | 1.7  | 1    | 1.65 | 1.7  | 0.2  |      |     |     |     |      |      |      |
| 14    |                           | PC-8       | EC37014 | T                    | 2.8  | 2.4  | 2.3  | 1.8  | 1    |      |     |     |     | 1    |      | 2.5  |
| 15    |                           | PLC-3      | EI37481 | P                    | 2.6  | 1.8  | 1    |      |      |      | 1   |     |     |      |      | 2    |
| 16    |                           | Internship | EI37482 | P                    | 1.8  | 2.1  | 2.3  | 1    | 2    | 1.5  | 1.6 | 2.1 | 1.5 | 2.5  | 1.9  | 2.6  |
| 17    |                           | PC-11      | EI37511 | T+P                  | 1.8  | 1.1  | 2    | 1    | 1.8  |      |     |     |     |      |      | 1.5  |
| 18    |                           | PC-12      | EI37513 | T                    | 2.3  | 2.15 | 1.79 | 1.53 | 1.53 |      |     |     |     |      |      | 0.76 |

|                       |                            |            |         |     |      |     |      |      |      |      |      |     |      |      |      |      |
|-----------------------|----------------------------|------------|---------|-----|------|-----|------|------|------|------|------|-----|------|------|------|------|
| 19                    | VI SEM Jan-<br>June 2023   | PC-13      | EC37512 | T   | 2    | 2.4 | 2    | 2.2  | 1    |      |      |     | 1.2  | 2.3  | 1.6  | 1.3  |
| 20                    |                            | PC-14      | ME37502 | T+P | 2.4  | 1   | 0.5  |      |      |      |      |     |      |      |      |      |
| 21                    |                            | PEC-2      | EI37701 | T+P | 0.94 | 1   | 1.16 | 0.51 | 0.51 | 0.51 | 0.53 |     | 0.51 | 1.01 | 0.87 | 0.67 |
| 22                    |                            | PLC-4      | EI37991 | P   | 2.5  | 2   | 1.5  |      | 2    | 0.5  | 0.6  |     | 2.2  | 2.3  | 2.2  | 2.5  |
| 23                    | VII SEM July-<br>Dec 2023  | PC-15      | EI47053 | T+P | 2.2  | 1.3 | 1    | 1.5  | 1.3  |      | 0.7  |     |      |      |      | 1.1  |
| 24                    |                            | PC-17      | EI47055 | T+P | 2.1  | 2   | 2.1  | 1.5  | 2.3  | 1    | 0.5  |     |      | 0.5  | 1    | 1    |
| 25                    |                            | PC-16      | EE47002 | T+P | 1.8  | 1.7 | 1.6  | 1    |      |      |      |     |      |      |      |      |
| 26                    |                            | PEC-3      | EI47257 | T   | 2.5  | 2.1 | 2.3  |      |      |      |      |     |      |      |      |      |
| 27                    |                            | PEC-4      | EI47322 | T   | 2.1  | 1.8 | 1    |      |      |      | 2.2  |     |      |      |      | 1.7  |
| 28                    |                            | PLC-5      | EI47499 | P   | 2    | 2.2 | 2.1  | 1.2  | 1.6  | 1    | 1.4  | 1.6 | 2.1  | 2.4  | 2.5  | 1.9  |
| 29                    | VIII SEM Jan-<br>June 2024 | PEC-6      | EI47776 | T   | N    | P   | T    | E    | L    |      |      |     |      |      |      |      |
| 30                    |                            | PEC-5      | BM47613 | T   | N    | P   | T    | E    | L    |      |      |     |      |      |      |      |
| 31                    |                            | PLC-6      | EI47999 | P   | 2.2  | 2.1 | 2.1  | 1.8  | 2.4  | 1    | 1.7  | 1.1 | 2    | 2.6  | 2.7  | 1.8  |
| 32                    |                            | Internship | EI47881 | P   | 2.3  | 2.4 | 1.2  | 1    | 1.4  | 1.4  | 1.6  | 1   | 1    | 1.3  | 2    | 2    |
| Average PO attainment |                            |            |         |     | 2.3  | 2.2 | 2    | 1.9  | 2.1  | 1.9  | 1.8  | 1.9 | 2    | 2.2  | 2    | 2.1  |

### PO Indirect Attainment for Batch(2020-24)

| S.No.   | Stake-holders     | PO1  | PO2  | PO3  | PO4  | PO5  | PO6  | PO7  | PO8  | PO9  | PO10 | PO11 | PO12 |
|---------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1       | Exit Survey       | 2.38 | 2.36 | 2.29 | 2.22 | 2.17 | 2.31 | 2.33 | 2.28 | 2.43 | 2.36 | 2.41 | 2.38 |
| 2       | Alumni            | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 3       | External Examiner | 2.29 | 2.29 | 2.29 | 2.33 | 1.83 | 1.67 | 1.33 | 2.00 | 1.86 | 1.86 | 1.57 | 2.29 |
| Average |                   | 2.39 | 2.38 | 2.36 | 2.35 | 2.17 | 2.33 | 2.22 | 2.43 | 2.43 | 2.41 | 2.33 | 2.56 |

### Overall PO attainment for Batch 2019-2023

| S.No.       | PO Attainment | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|-------------|---------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| 1           | Direct        | 2.3 | 2.2 | 2.0 | 1.9 | 2.1 | 1.9 | 1.8 | 1.9 | 2.0 | 2.2  | 2.0  | 2.1  |
| 2           | Indirect      | 2.4 | 2.4 | 2.4 | 2.4 | 2.2 | 2.3 | 2.2 | 2.4 | 2.4 | 2.4  | 2.3  | 2.6  |
| Overall PO* |               | 2.3 | 2.2 | 2.1 | 2.0 | 2.1 | 2.0 | 1.9 | 2.0 | 2.1 | 2.2  | 2.1  | 2.2  |

\* Overall PO = 80% of Direct PO Attainment + 20% of Indirect PO Attainment

