

**NEP 2020 Compliant Curriculum Structure**  
**S. Y. B. Tech. (2025 Pattern) Sem-I**

| Course Code  | Course Type                                   | Course Name                                     | Teaching Scheme (Hrs./week) |          |           | Examination Scheme and Marks |            |           |           | Credits   |          |           |           |
|--------------|-----------------------------------------------|-------------------------------------------------|-----------------------------|----------|-----------|------------------------------|------------|-----------|-----------|-----------|----------|-----------|-----------|
|              |                                               |                                                 | Theory                      | Tutorial | Practical | CIE                          | ESE        | Practical | Oral      | Theory    | Tutorial | Practical | Total     |
| PCCS4201     | Program core course (PCC)                     | Electronic Circuits and Applications            | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| PCCS4202     |                                               | Electronic Circuits and Digital Electronics Lab | -                           | -        | 2         | 25                           | -          | 25        | -         | -         | -        | 1         | 1         |
| PCCS4203     |                                               | Digital Electronics                             | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| PCCS4204     |                                               | Signal and System                               | 2                           | -        | -         | 50                           | 50         | -         | -         | 2         | -        | -         | 2         |
| PCCS4205     |                                               | Signal and System Lab                           | -                           | -        | 2         | 25                           | -          | 25        | -         | -         | -        | 1         | 1         |
| MDMS4246     | Multi-disciplinary Minor (MDM)                | Transforms Techniques and Complex Analysis      | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| OES4261      | Open elective(OE)                             | Open Elective-I                                 | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| HSSMS4286    | Entrepreneurship /Economics/ Management (EEM) | Engineering Economics                           | -                           | 2        | -         | 25                           | -          | -         | 25        | -         | 2        | -         | 2         |
| HSSMS4287    | Value Education Course (VEC)                  | Universal Human Values                          | 1                           | 1        | -         | 25                           | 25         | -         | -         | 1         | 1        | -         | 2         |
| ELCS4291     | Community Engagement Project (CEP)            | Community Engagement Project                    | -                           | -        | 4         | 25                           | -          | -         | 25        | -         | -        | 2         | 2         |
| <b>Total</b> |                                               |                                                 | <b>15</b>                   | <b>3</b> | <b>8</b>  | <b>375</b>                   | <b>275</b> | <b>50</b> | <b>50</b> | <b>15</b> | <b>3</b> | <b>4</b>  | <b>22</b> |

**Open Elective-I**

| Course Code | Course Name                       |
|-------------|-----------------------------------|
| OES4261A    | Digital marketing                 |
| OES4261B    | Business Analytics                |
| OES4261C    | Intellectual Property Rights(IPR) |
| OES4261D    | Organizational Behavior           |

## S. Y. B. Tech. (2025 Pattern) Sem-II

| Course Code  | Course Type                                   | Course Name                                                       | Teaching Scheme (Hrs./week) |          |           | Examination Scheme and Marks |            |           |           | Credits   |          |           |           |
|--------------|-----------------------------------------------|-------------------------------------------------------------------|-----------------------------|----------|-----------|------------------------------|------------|-----------|-----------|-----------|----------|-----------|-----------|
|              |                                               |                                                                   | Theory                      | Tutorial | Practical | CIE                          | ESE        | Practical | Oral      | Theory    | Tutorial | Practical | Total     |
| PCCS4206     | Program core course (PCC)                     | Linear integrated Circuits                                        | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| PCCS4207     |                                               | Analog and Digital Communication                                  | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| PCCS4208     |                                               | Linear Integrated Circuits & Analog and Digital Communication Lab | -                           | -        | 2         | 25                           | -          | 25        | -         | -         | -        | 1         | 1         |
| PCCS4209     |                                               | Control System                                                    | 2                           | -        | -         | 50                           | 50         | -         | -         | 2         | -        | -         | 2         |
| MDMS4247     | Multi-disciplinary Minor (MDM)                | Data structure and Algorithms                                     | 3                           | -        | -         | 50                           | 50         | -         | -         | 3         | -        | -         | 3         |
| OES4262      | Open elective(OE)                             | Open elective -II                                                 | 2                           | -        | -         | 50                           | 50         | -         | -         | 2         | -        | -         | 2         |
| VSECS4281    | Vocational and Skill Enhancement course (VSE) | Skill Enhancement course                                          | -                           | -        | 4         | 25                           | -          | 25        | -         | -         | -        | 2         | 2         |
| HSSMS4288    | Ability Enhancement Course (AC)               | Modern Indian Language                                            | -                           | 2        | -         | 25                           | -          | -         | 25        | -         | 2        | -         | 2         |
| HSSMS4289    | Entrepreneurship /Economics/ Management (EEM) | Entrepreneurship & Development                                    | -                           | 2        | -         | 25                           | -          | -         | 25        | -         | 2        | -         | 2         |
| HSSMS4290    | Value Education Course (VEC)                  | Environmental Science                                             | 1                           | 1        | -         | 25                           | 25         | -         | -         | 1         | 1        | -         | 2         |
| <b>Total</b> |                                               |                                                                   | <b>14</b>                   | <b>5</b> | <b>6</b>  | <b>375</b>                   | <b>275</b> | <b>50</b> | <b>50</b> | <b>14</b> | <b>5</b> | <b>3</b>  | <b>22</b> |

### Open Elective-II

| Course Code | Course Name        |
|-------------|--------------------|
| OES4262A    | Project Management |
| OES4262B    | Cyber Law          |
| OES4262C    | Product Management |
| OES4262D    | Industry 4.0       |