Sardar Patel College of Engineering Academic Year 2023-24 Credit System for Minor in Civil engineering

| Sr. No. | Course Name | Code | Course Plan per Week (Hrs) | | | Credits | (Points) | | End Semester Evaluation (Points) | | End semester weightage (%) | Term work/P ractica l | Total Points |
|---------------|---|-----------|-------------------------------|---|---|---------|----------|------|-------------------------------------|------------|-------------------------------------|--------------------------------|-----------------|
| | | ~ | L | P | T | | T-I | T-II | Points | Time (Hrs) | | | |
| Semester V | | | | | | | | | | | | | |
| 1 | Building materials and construction (Building Services) | PC-BTC307 | 2 | 0 | 1 | 3 | 20 | 20 | 100 | 3 | 60% | 25# | 125 |
| 2 | Mechanics of Materials \$ | ES-BTC302 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| | Total credits for Minors student | | | | | 6 | | | | | | | |
| Semester VI | | | | | | | | | | | | | |
| 3 | Any 2 to be selected from following: | | | | | | | | | | | | |
| | a) Transportation Engineering | PC-BTC406 | 2 | 0 | 1 | 3 | 20 | 20 | 100 | 3 | 60% | 25# | 125 |
| | b) Structural mechanics | PC-BTC402 | 3 | 0 | 1 | 4 | 20 | 20 | 100 | 3 | 60% | 25# | 125 |
| | c)Environmental Engineering-I | PC-BTC407 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| 4 | Concrete Technology (Lab) | PC-BTC451 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 25# | 25 |
| | Total credits for Minors student | | | | | 7/8 | | | | | | | |
| Semester VII | | | | | | | | | | | | | |
| 5 | Soil Mechanics | PC-BTC503 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| | Total credits for Minors student | | | | | 3 | | | | | | | |
| Semester VIII | | | | | | | | | | | | | |
| 6 | Any one elective from following | | | | | | | | | | | | |
| | Construction Engineering & Management | PC-BTC601 | 3 | 0 | 1 | 4 | 20 | 20 | 100 | 3 | 60% | 25# | 125 |
| | Geographic Information System Science and Application | PE-BTC622 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| | Solid and Hazardous Waste Management | PE-BTC651 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| | Sustainable development | OE-BTC612 | 3 | 0 | 0 | 3 | 20 | 20 | 100 | 3 | 60% | 0 | 100 |
| | Total credits for Minors student | | | | | 3/4 | | | | | | | |
| | TOTAL additional credits at graduation for Minors student | | | | | 20 / 21 | | | | | | | |

^{(*) -} Credits for online courses are directly specified as 3 credits for 12 week course and 2 credits for 8 week course. In-semester and end-semester evaluations are conducted by the agency coordinating for the online course (NPTEL/SWAYAM/IITBombayx, etc.). The grades shall be awarded based on applicable examination rules and regulations.

Minimum 18 credits should be achieved for completion of the Minor program

^(\$) Students who vhave already studied Mechanics of Materials/Strength of materials as a part of their core course need to study an NPTEL course of 12 weeks after approval from Department HOD and Dean academics

[.] Students may take relevant course from domain offered from NPTEL/SWAYAM/IITBombayx etc. platform subject to approval from Dean (Academics)