CSE- Minor Specializations:

1. Energy Harvesting and Storage
2. Materials Science
3. Nanotechnology
4. Entrepreneurship
5. Computational Mathematics

Course Baskets for Minor Specialization (elective course baskets)

Minor Program: Energy Harvesting and Storage

S. No.	Course Name	Credits	L-D-P	Semester (in which the course will be offered)
1	Renewable and Non-renewable Energy Resources	3	1-0-2	4
2	Theory and Hands-on Practise of Solar Energy	4	2-1-2	5
3	Characterization Techniques for Energy Materials and Devices	4	2-1-2	6
4	Biofuels	3	2-0-2	7
5	Fuel Cell, Li- ion Battery and Supercapacitors	4	2-1-2	7

Minor Program: Materials Science

S. No.	Course Name	Credits	L-D-P	Semester (in which the course will be offered)
1	Materials Science and Engineering	3	2-0-2	4
2	Materials Characterization	3	1-0-4	4
3	Science and Engineering of Composite Materials	3	2-0-2	5
4	Computational Materials Science	3	2-0-2	5
5	Surface Engineering	3	3-0-0	6
6	Project	3	0-1-4	7

Minor Program: Nanotechnology

S. No.	Course Name	Credits	L-D-P	Semester (in which the course will be offered)
1	Micro and Nano Systems	3	3-0-0	4
2	Applications of Nanotechnology	2	2-0-0	4
3	Computational Materials Science	3	3-0-0	5
4	Nanometrology	1	1-0-0	5
5	Nanomaterial Characterization	3	2-0-2	6
6	Synthesis and Fabrication of Nano Materials	3	3-0-0	6
7	Minor Thesis in Nanotechnology	3	0-1-4	7

Minor Program: Entrepreneurship

S. No.	Course Name	Credits	L-D-P	Semester (in which the course will be offered)
1	Silicon Valley Ecosystem	3	2-1-0	4
2	Social Entrepreneurship	3	2-1-0	5
3	Corporate Entrepreneurship	3	2-1-0	5
4	Legal Aspects of Venturing	3	2-1-0	7
5	New Venture Funding	3	2-1-0	7
6	Managing Technology & Innovation	3	2-1-0	Optional in any Sem

Minor Program: Computational Mathematics

S. No.	Course Name	Credits	L-D-P	Semester (in which the course will be offered)
1	Numerical Linear Algebra	3	3-0-0	4
2	Design and Analysis of Experiments	3	2-0-2	5
3	Time Series Analysis and Dynamic Modelling	3	2-0-2	5
4	Number Theory and Cryptography	3	3-0-0	6
5	Minor Thesis in Computational Mathematics	3	0-3-0	6
6	Financial Mathematics	3	2-0-2	7