C. Departmental Infrastructure

C.1	Departmental resources	Score	
		Self-assessment	Expert assessment
1	Adequacy of Class Rooms and Multi-Media Facility	10	8
2	Availability of Laboratories	10	8
3	Availability of Conference/Seminar Room, etc	10	8
4	Availability of Seating Space for Faculty and Research Students	10	6
5	Availability of Internet Services in Research Labs and Class Rooms	10	10
6	Departmental Library and E-Resources	10	10
7	Computing Facilities and Software	10	9
8	Adequacy of Offices and Furnishing for Faculty	10	7
9	Faculty- Student Ratio	10	0
10	Support Staff (Technical/Administrative) Adequacy	10	7
	Total Score (out of 100)	100	73

SWOT analysis by the department :

Strength
- Well qualified and experienced faculty and staff
- Well equipped laboratory infrastructure
- Availability of smart classrooms and auditorium
- Research lab fitted with high end infrastructure (Research lab with high end workstations, ANEKA-Cloud PaaS software, Qualnet)
- Students diversity (cultural/language/academic courses)
- Modular course design with multi entry and multi exit. (ICD/UG/PG/PhD) Outgoing students from a course can be the input for next higher-level course
- Attractive research fellowships (Departmental/QIP)
- Availability of PDA grant for the professional development of faculty
- Allocation of funds under various Govt. schemes for department upgradation
- Access to various online journals
- Strong book bank through central/departmental library
- Encourage students for various academic and research opportunities like ACM student chapter, CSI student chapter etc
- Industry relevant updated study scheme and syllabus for ICD/UG/PG programme
- Excellent academic environment for student grooming and career development

Weakness
- Lacking in consultancy and funded research projects
- Lack of industry collaboration with respect to course designing/course execution/Project execution
- Shortage of industry visits by faculty/students
- Shortage of regular faculty and staff positions
- Shortage of building for further expansion of the Computer Labs/Classrooms/Faculty rooms
- Location disadvantage which create difficulty in faculty retention
- Less number of workshops to encourage faculty members for quality research and patent publication
- Interdisciplinary research is lacking.

Opportunities
- Since maximum placements are happening in the IT sector, the department can further work towards placing the maximum students in good companies.
- In the recent time Infosys, Capgemini has conducted day one in SLIET and both of these are IT companies. Hope these will be conducting day one in SLIET in future also, the department can prepare the students to grab maximum positions during Day one
- During admission in the ICD/UG programs the aspirants has a good preference for the CSE branch. It is a good opportunity for the department to attract the meritorious students by showcasing our strengths.
- With the availability of research fellowships and PDA the department can further strengthen the research prospects
- With ample number of faculty members with PhD and research experience in the diversified fields, the research groups can be created to further strengthen the research/publications/patent in thrust areas.
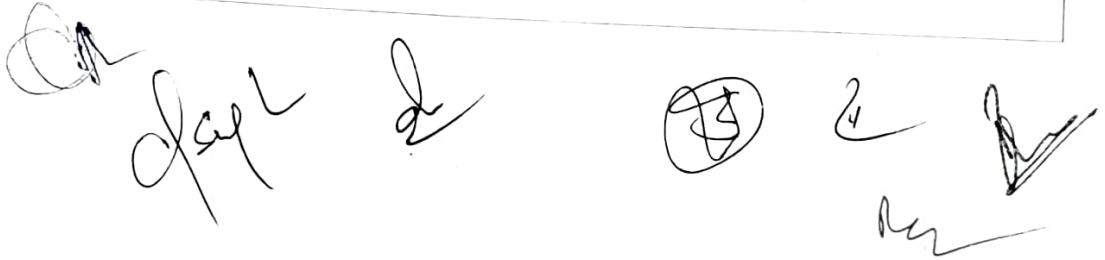
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- With the availability of Laboratory infrastructure and experienced faculty/staff, Training programs/workshops can be conducted. This will help to generate the funds also.

Threats

- Downfall in admission at the PG level
- More and more students are opting for study abroad at the Diploma/UG level. The department may face admission problem in future. Therefore, we should be more concerned in the competitive environment.
- Fund generation
- Many big/small scale companies prefer to visit metro cities/well connected cities/locations. This affects the placement opportunities.
- Lack of IT sector in nearby cities/surrounding which makes difficult to connect.