7.3

Institutional Distinctiveness

INSTITUTIONAL DISTINCTIVENESS

To educate RURAL youth with FINANCIALLY HUMBLE and & EDUCATIONALLY disadvantageous background through Multi-Entry Multi-Exit modular pattern of education.

History
Based on the conceptual framework prepared by **EdCIL** India Ltd. In 1985-86, and the specific recommendations of the National Expert Committee, Institute was established by the Government of India in 1989 with a Vision of -

New pattern of technical education with flexibility, mobility, multi-point entry and multi-point exit programmes at Certificate, Diploma and Degree level.

The first batch of students was admitted in 1991, with introduction of 12 Certificate and 10 Diploma courses, in 1st phase with the provision to introduce more program in 2nd and 3rd phase.

It was also projected that in addition to Certificate, Diploma and Degree program, the Institute will provide **formal education and training** to persons from unorganized sectors and school drop-outs to **acquire basic technical skill** for entrepreneurship and **self-employment**. Provision for **lateral entry** was also projected. To provide job opportunities through skill development, entrepreneurship was the main focus.

After initial affiliation with Panjabi University Patiala, and Punjab Technical University Jalandhar, the Institute has been granted Deemed-to-be-University status with autonomous governance in 2007. This was a great milestone in the history of the institute, to come in delivery mode.

Strategic Restructuring maintaining Academic Distinctiveness:
Subsequent upon getting complete academic autonomy, institute restructured its programs in 2014, and started 3 years Integrated Certificate Diploma (ICD) and 4 years BE program, with provision of Lateral Entry (both vertical and direct) in 2nd Year BE.

The admission in 1st year Bachelor of Engineering are through JEE (Mains), where as in 2nd Year BE (LEET) are done through SLIET Entrance Test (SET). As an outcome of restructuring the students are now able to earn engineering degree in 6 years after 10th class (2+1+3), as compared to 7 years (2+2+3) prior to 2014. This facilitated the institute to align their program duration as per the **National Academic Structure, keeping distinctiveness and Vision of the institute i.e. to bring 10th class students with pass percentage in main stream of technical education through skill development.**
The success stories of this distinct model of education are given in **QlM 7.2.1** under best practice "Innovative Practices related to Academics"

Link of academic structure : http://academic.sliet.ac.in/academic-structure/

At present institute is successfully running 13 Integrated Certificate & Diploma (ICD), 7 UG (B.E.), 10 PG (7 M. Tech. and 3 M.Sc. Programs) and PhD in 11 different departments of Engineering, Sciences and Humanities, as stated below.

Programs Offered

	Program Offered	Admission through
1	Certificate & Diploma -1991 (Now Integrated Certificate-Diploma, 2014)	**SET-I/II**
2	Degree (3 Yrs) -1993 (Now BE 4 Yrs. Degree, 2014)	**JEE (Mains)**
3	Lateral Entry in 2nd Yr BE	**SET - III**
4	PG (M. Tech) in Engineering & Technology (2002)	**CCMT/SET-IV**
5	PG in Sciences (M.Sc.)/MBA (2011)	**CCMN/SET-IV**
6	Doctoral Program (2007)	**SET-V**

SET – SLIET Entrance Test

Quality Education as per National Standard of Accreditation:
The Institute has built its reputation and earned NBA Accreditation of **all 07 BE Programs** simultaneously in June, 2021 (File No 31-04-2010-NBA, dt 06.07.2021), immediately after completion of 2 batches of graduation after restructuring, in addition to getting accredited by **NAAC in 2017** (2nd cycle). ***This indicate the commitment and accountability of institute to impart outcome based education.***

The Road Map of Technical Education offered by SLIET, from **Class 10th to PhD** is given below. Academic Structure of SLIET with multi-entry, multi-exit, modular pattern of education.
http://sliet.ac.in/wp-content/uploads/2022/12/Media-Coverage-of-the-Institute.pdf

Table: Entry-Exit Options of Program Offered

From 2014 onwards					
Program	**Entry Level**	**duration**	**Exit option**	**Movement**	
				Vertical	**Direct/Lateral**
ICD	10th	2 Yrs	Certificate	Diploma	Diploma
ICD	Certificate	1 Yr,	Diploma	Degree	Degree
	ITI	2 Yrs			
Degree	Diploma,	3 Yrs,	Degree	-	PG
	10+2	4 Yrs			
PG	Degree	2 Yrs	PG	-	Ph. D.
Ph. D.	PG	3-5 Yrs	Ph. D.	-	-

Prior to 2014				
Program	**Entry Level**	**Duration**	**Exit option**	**Movement**

				Vertical	**Direct/Lateral**
Certificate	10th	2 Yrs	Certificate	Diploma	Diploma
Diploma	10+2 or Certificate from SLIET	2 Yrs	Diploma	Degree	Degree
Degree	Diploma	3 Yrs	Degree	-	PG
PG	Degree	2 Yrs	PG	-	PhD
Ph. D.	PG	3-5 Yrs	Ph. D.	-	

IMPACT ANALYSIS:

Opportunities/Sink with NEP-2020

1. The multi-entry, multi-exit programs run by the institute since 1991 are in line with National Education Policy (NEP-2020).
2. SLIET meets the following vision of NEP 2020, and **best suited to take responsibility as a multi-disciplinary institute under Category-II i.e. Teaching University with primary focus on teaching with significant focus on research**:
    - Multi-entry, Multi-exit policy (10.1, 10.2)
    - Priority to establish high quality institution in dis-advantaged circumstances (10.3, 10.8)
    - HEIs to become multi-disciplinary institutions (11.2, 11.3)

Evidences to Support Distinctiveness
3. Since, its inception, SLIET has successfully carted the need of approximately 25000 students, specially from RURAL and **financially humble backgrounds.**

   The table given below shows the **rural and financial background** of the students admitted in the institute in last 5 years, in support of its distinctiveness.

   Table: % of Students from Rural and Financially Humble Background

	ICD					UG					PG	
	2017	**2018**	**2019**	**2020**	**2021**	**2017**	**2018**	**2019**	**2020**	**2021**	**2020**	**2021**
No. of students from Rural Areas	218/649 (33.59%)	442/637 (69.39%)	174/424 (41%)	146/425 (34.35%)	126/381 (33%)	121/537 (22.5%)	117/603 (20%)	171/612 (28%)	176/617 (28.5%)	111/241 (46%)	43/86 (50%)	63/101 (62.37%)
No. of students whose parental income is less than 2 Lacs / 2.5 Lac	527/649 (81.20%)	490/637 (76.90%)	279/424 (65.80%)	326/425 (76.70%)	290*/381 (76.11%)	415/572 (72.55%)	404/603 (66.99%)	429/612 (70.09%)	338*/617 (54.78%)	Not available	46/86 (53.5%)	57/101 (56.43%)
No. of students whose parental income is	122/649 (18.80%)	147/637 (23.10%)	125/424 (29.50%)	89/425 (20.94%)	37**/381 (9.71%)	153/572 (26.74%)	175/603 (29.02%)	157/612 (25.65%)	47**/617 (7.61%)	Not available	34/86 (39.53%)	37/101 (36.63%)

between 2/2.5 to 8 Lacs											
No. of students paying fee through Scholarship											

576 during 2021-22
(As per data received from Scholarship Cell.   Scheme-wise list attached herewith).
Besides above, **167** number students were under Tuition Fee Waiver (TFW) Scheme during 2021-22 in ICD & UG Programmes

* Slab is available starting from less than 4 Lacs.   So, these are the students are whose parental income is less than 4 lacs

** Students whose parental income is between 4 lacs to 8 lacs

Note : No income data is available / maintained for UG 2020 and UG 2021 JEE Main Students

Success Stories of students:

http://ct.sliet.ac.in/alumni-portal/

http://cs.sliet.ac.in/alumni/

http://ece.sliet.ac.in/distinguish-alumni/

http://fet.sliet.ac.in/alumni-success-stories/

http://mech.sliet.ac.in/alumni-portal/

Reference:

1. EFC MHRD Document Ref. No. 23-34/88-TS.5 dated 20th June, 1989
   http://academic.sliet.ac.in/files/2022/12/Establishment-of-SLIET-AICTE-Notification-dt.-20.6.1989.pdf

2. EFC-II MHRD Document Ref. No.33-3195-IFD Dated 15th September, 1997
   http://iqac.sliet.ac.in/files/2022/12/EFC-II-MHRD-Document-Ref.-No.33-3195-IFD-Dated-15th-September-1997.pdf

3. Detailed Project Report for Performance Revie of SLIET by EdCIL (November 1999)
   http://iqac.sliet.ac.in/files/2022/12/Detailed-Project-Report-for-Performance-Review-of-SLIET-by-EdCIL-November-1999-1.pdf