

KLETech - SRIB Collaborative Initiatives

The initiative for collaboration with Samsung Research Institute Bangalore (SRIB) was taken under the KLE Technological University's (KLE Tech) Industry Collaborative Initiatives towards curriculum design & delivery, collaborative projects for experiential learning, and capacity building of students & faculty.

The objective of this collaboration is to strengthen the curriculum thread in undergraduate programs by involving the experts from SRIB in Board of Studies (BoS) and Introduction of state of art courses for UG and PG programs, where the industry experts are a part of designing course content, delivery, and evaluation. SRIB team is also actively involved in course conduction through co-delivery and conducting reviews towards evaluation. The SRIB team is in continuous discussions with faculty to arrive at the holistic curriculum thread.

The SRIB team contributes towards capacity building of students by conducting training programs, workshops, expert tech talks. Towards enhancing software competency SRIB team contributes in conducting Codethons and Hackathons. SRIB also provides student internships to students of KLE Tech under the initiative. Under the initiative SRIB also plays a role in capacity building of faculties by conducting faculty development programs (FDP), workshops, training programs, and also provide internships to faculties.

Under the initiative collaborative projects with faculties and includes activities like writing proposals to funding agencies, industry sponsored projects, institutional sponsored projects towards developing a POC, joint IP generation and publications. These activities paves ways towards experiential learning for students through collaborative projects evolving them to think beyond academia, and providing exposure to industry culture.

Curriculum Design

▪ **Machine Learning and AI**

- Strengthening of Machine Learning and AI Curriculum thread in CS and EC Undergraduate Programs
- Workshop in ML / DL by Dr Balaji Hosur and 8 senior members of SRIB (8th Sept 2017)



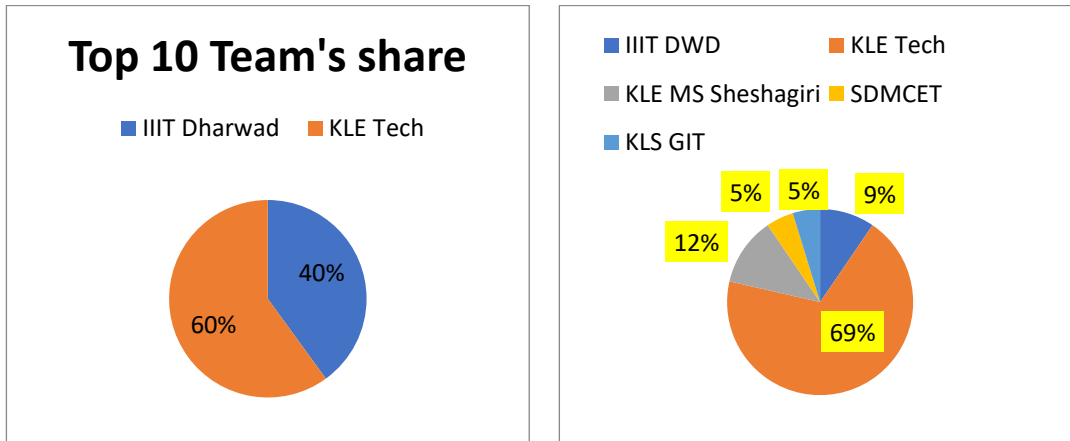
- Introduction of ML as core course for CS, EC, and EE from academic year 2017-18
 - Machine learning framework recommendation from SRIB
 - Continuous discussions with faculty to arrive at the holistic curriculum thread for AI/ ML
- ### ▪ **Building Software Competency**
- Preparing Students for Software Competency Tests
 - Context setting by Mr. Chandrasekar, SRIB, during workshop on 27th Sept 2017
 - Design and delivery of new course 'Algorithmic Problem Solving' to 6th semester students. (2017-18)
 - Review of course design by SRIB-team and help in the assessment.

▪ **Training of KLE Tech students by SRIB**

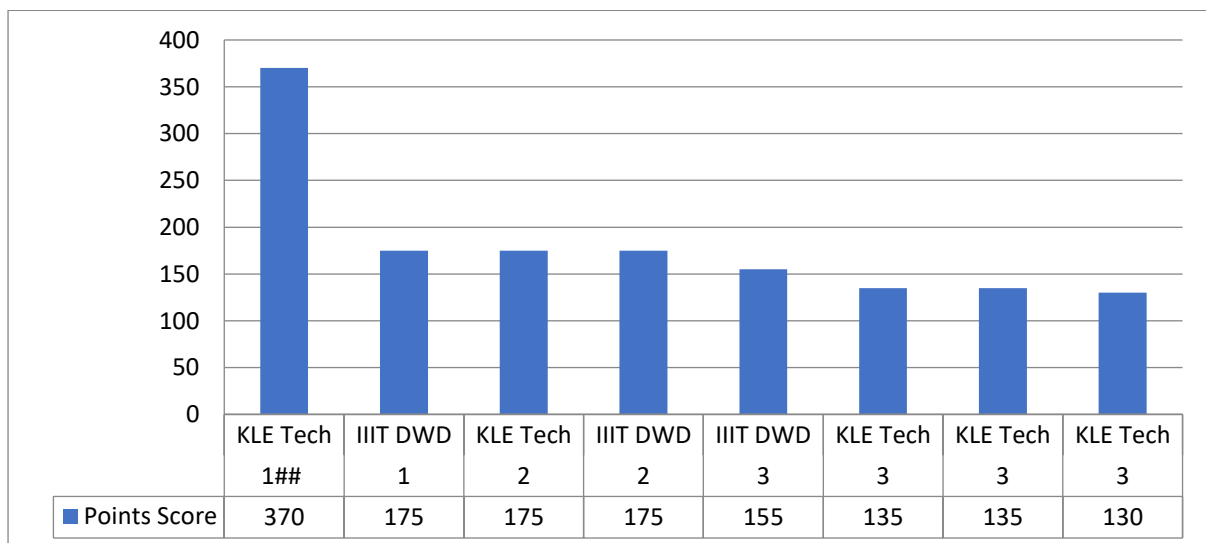
- Students were trained by Experts from Samsung on how to excel in competitive programming with 4 workshops on weekends prior to the Competition.

▪ **Outcomes:**

- 4 KLE Tech teams and 3 IIIT- DWD Teams are offered prizes
- 2nd year KLE Tech managed to top the leader board



College Name	No of Positions
IIIT DWD	4
KLE Tech	29
KLE MS Sheshagiri	5
SDMCET	2
KLS GIT	2



▪ List of Faculty from KLETech part of Collaboration

#	Name of the Faculty	School/ Department
1	Uma Mudenagudi	Dean R&D
2	Meena S M	HoS School of CSE
3	Nalini C Iyer	HoS School of ECE
4	A B Raju	HoD EEE
5	Sunitha Hiremath	School of CSE
6	Shrinivas Desai	School of CSE
7	Nirmala S R	School of ECE
8	Uday Kulkarni	School of CSE
9	Ramesh Ashok Tabib	School of ECE
10	Sunil V G	School of CSE
11	Priyadarshini Patil	School of CSE
12	Praveenraj Pattar	School of CSE
13	Mallikarjun Akki	School of CSE
14	Shashidhara V	School of CSE
15	Shivashankar H	School of ECE
16	Shrishail M P	School of ECE
17	Heera Wali	School of ECE
18	Satish C	School of ECE
19	Leah S Joshi	Department of EEE
20	Shilpa Kamath	Department of EEE
21	Kavita Chachadi	Department of EEE
22	Ravi Guttal	CIPD
23	Sacin Khot	School of ME

Open House Exhibition

The Samsung Leadership, Dr. Alok Nath De, CTO and Dr. Lokesh, Director as a part of Open House Exhibition and appreciated the projects carried out by students of KLETech.

