TECHNO SQUARE
Design & Development Lab

- Supported By -

Ondigit, Kolhapur, PHN Technology, Pune, SNBTech Pune, SromSoft Ichalkaranji

Establishment Month & Year: March, 2017

Techno Square Lab was founded with the mission to create opportunities students to BUILD SOMETHING FROM NOTHING.

We provide space, resources and focused programming to elevate and educate the technology leaders of tomorrow.

The major objectives of this lab are:

1. To inculcate higher – level thinking and creativity among students.
2. Promoting the use of statistical packages and software.
3. Facility to continuing of development of Computer / IT students to integrate the most current technologies in the appropriate fields of study.
4. Different technological applications will be utilized in the project, and the use of these applications as learning tools will be evaluated and developed.
5. Bring the students and the end-user together, with closer interactions between the experiments and the society.

Industry Guided Project Details:

Academic Year 2021-22

Product Development – Industry Supported Project

Sr No	Industry Name (Sponsored By)	Project Title
1	Sponsored by Siddheshwar Kirana Store Chandur	BILLING SYSTEM FOR GROCERY SHOP
2	Sponsored by Nexalus Innovation Sangli	CUSTOMER MANAGEMENT SYSTEM (CMS) FOR INTERNET SERVICE PROVIDER
3	Sponsored by SITP Yadrav	COLLEGE MANAGEMENT SYSTEM
4	Sponsored by Technoplus Logic Group Ichalkaranji	DIGITAL KRUSHI PAL
5	Sponsored by SITP Yadrav	"SITP TEST MANAGER" ADD-ON FOR GOOGLE FORM

Industry Guided Project Details:

Academic Year 2020-21

Product Development – Industry Supported Project

Sr. No.	Name	Industry Name
1	The Comprehensive Smart College Application	SIT Polytechnic Yadrav
2	Online Chatbot System	Shree Shamrao Patil (Yadravkar) Educational and Charitable Trust
3	Online Bus Pass System	Shree Shamrao Patil (Yadravkar) Educational and Charitable Trust
4	Online Examination & Evaluation System	SIT Polytechnic Yadrav
5	OnJourney Dapoli	Haris Holidays Pvt Ltd, Dapoli
6.	Purchase order register	Patil Engineering Works

Academic Year 2019-20

Product Development – Industry Supported Project

Industry Name- SNB TECH, Pune

As per the requirement of company SNB TECH, Pune, with the faculty guidance the students of Third Year Computer Engineering develop the different products in TechnoSquare Lab.

The products are listed below:

Sr.No.	Name	Details
1	School Bus Tracking System	· This system is a combination of web as well as android application where the driver will be using the android application whereas admin and parent will be using web application. · This application is meant for drivers who are driving the school bus. · System allows admin to add a new driver where driver

		id and password is generated and stored into the system.
2	Spy Robot using IOT	· At present the surveillance of International border areas is a difficult task. · The border guarding forces are patrolling the border seriously, but it is not possible to watch the border at each and every moment. · An essential requirement of this situation is a robot which automatically detects trespasser in the border and report nearby border security control unit.
3	Smart Dustbin Using IOT	· With increase in population we have an increase in the garbage around urban areas. · Here we propose a smart dustbin that operates automatically to help solve this issue using IOT and sensor based circuitry. · Usual dustbins require to be opened by pressing foot against its lever and then throwing garbage. Also a person needs to keep track when it is full so that it can be emptied and does not overflow.
4	Fire Fighting Robot	· Fire incident is a disaster that can potentially cause the loss of life, property damage and permanent disability to the affected victim. · They can also suffer from prolonged psychological and trauma. · Fire fighters are primarily tasked to handle fire incidents, but they are often exposed to higher risks when extinguishing fire, especially in hazardous environments such as in nuclear power plant, petroleum refineries and gas tanks.

Academic Year 2018-19

Product Development- Industry Supported Project

Industry Name- STORMSOFTS, Ichalkaranji

As per the requirement of company STORMSOFTS, Ichalkaranji, with the faculty guidance the students of Third Year Computer develops the different products in TechnoSquare Lab.

The products are listed below:

Sr.No.	Name	Details
1	School Bus Tracking System Fully Automated Obstacle Avoidance Robot with line Follower (Project)	· The main aim of any robot is to reduce human effort. · According to the purpose different types of robots are designed for practical applications. · In any work environment proper monitoring is always needed for better results. · This smart and intelligent line follower robot can be used in Industries for carrying goods from one place to another place.
2	Online Bidding System	· This project contains an admin and user's side where admin can manages all the bidding activities and product information. · Whereas from the users side, users can view products and bid on it easily.

Academic Year 2017-18

Total Number of Workshops: 02

Sponsored Projects: 04

Sr No	Name of Activity	Month and Year	Description
01	Industry Guided Projects	September 2017	From Computer Engineering Department four project groups completed projects under Ondigit Kolhapur
02	Workshop	January 2018	Workshop conducted on **Android Development** by PHN Technology Pune
03	Workshop	13th & 14th July, 2018	Workshop conducted on **Python** by PHN Technology Pune

Industry Guided Project Details:

Sr No	Name of Student	Project Title
1	Chougule Amruta Anil	IOT Based Smart Applications
2	Chougule Deepika Rajkumar	
3	Kamble Nalini Shivaji	
4	Shinde Asmita Ramchandra	RMC (Remotely Mobile Control)
5	Pandharapatte Rachana Rahul	
6	Sneha Sutar	
7	Patil Snehal Rajgonda	
8	Girmal Priyanka Manik	Fingerprint Based ATM System
9	Daryawardi Romaan S.	
10	Khurape Aarti Arun	
11	Koli Amruta Sadashiv	
12	More Siddharth Rajendra	IOT Based Smart Bike
13	Lokare Aniruddha Anil	
14	Shaikh Mudassir	
15	Pandharpatte Abhishek P.	

Videos:

https://www.youtube.com/watch?v=QmBa1DLfDdo

https://www.youtube.com/watch?v=aCeiKtNsjHw