

# TECHNOSITES

## DEPARTMENT OF

### COMPUTER SCIENCE AND ENGINEERING



**PLACEMENTS**



**ACTIVITIES**



**ACHIEVEMENTS**





## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **INDEX**

---

**1**

**PBL DAY**

**2**

**FACULTY INTERVIEW**

**3**

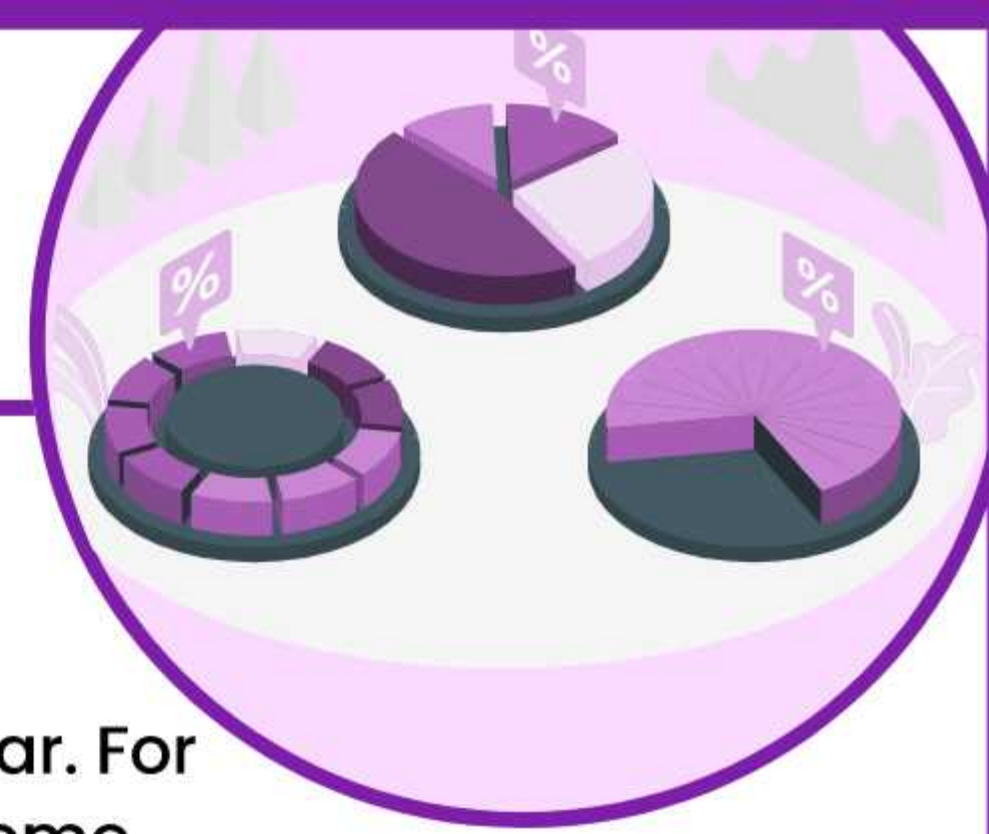
**STUDENT INTERVIEW**

**4**

**KITCOEK CLUBS**

# PBL DAY 2022

## ORGANIZED ON 4TH OF DEC



Our college organizes PBL day in a month of December every year. For this activity students have to form a groups and then prepare some projects respective to the given subjects. For 2022, Students from third year and last year worked on subjects Database management system and Advanced Database System Lab respectively.

Lets take a look of CSE department PBL winners.

**Third Year : Faculty Guidance by Dr. Grantej Otari sir**

**External Evaluator – Mr. Abhishek Bhosale, Software Engineer- epam solutions**

### Winners

Team members - Prathmesh Adate, Swaroop Chavan, Paras Patil, Tahura Shaikh, Shweta Tingare

**Topic name - Digitalization of Medical Records**

Short brief - Main aim to provide efficient system for maintaining medical records.

Proper backup policies increase the lifespan of health records of individual.

Safe access, audit and authorization control mechanisms.

Paperless medical history that can be accessed anywhere anytime.



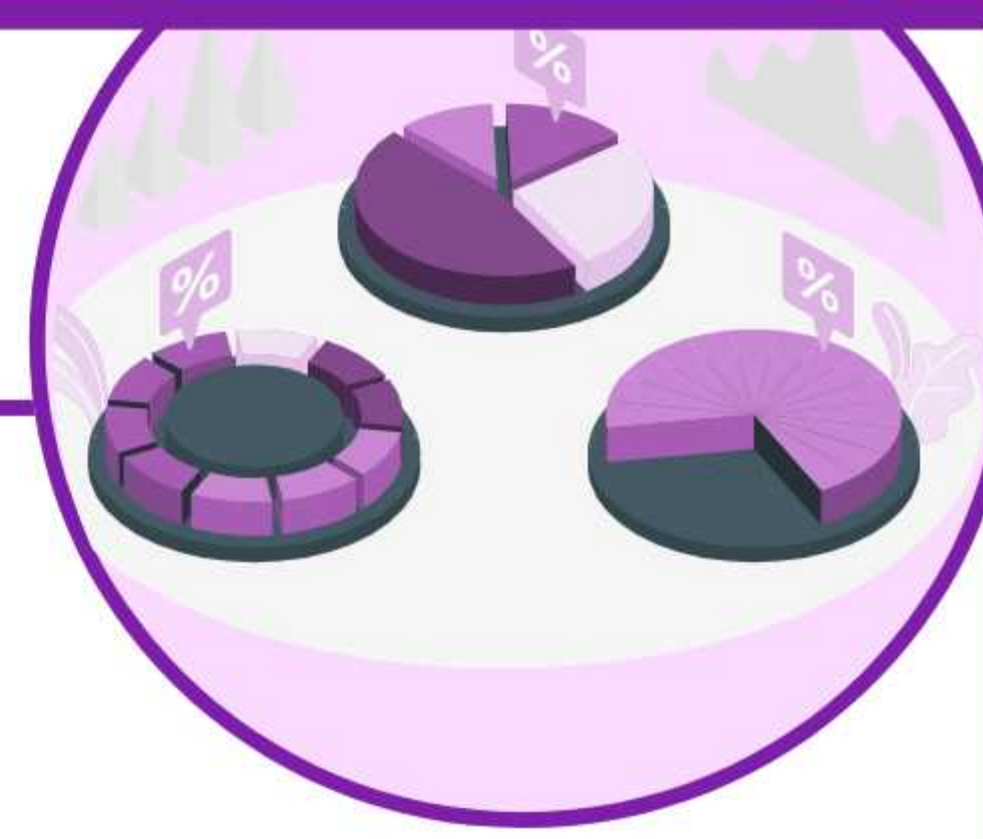
### First Runner up



Team members – Aarya Teli, Jatin Sawant, Saira Sanadi, Krutik Ukande.

**Topic name – Payroll Management System**

Short brief - Aim is to design an automatic system that will store the employee data of a particular organization, such as attendance, salaries- deductions and allowance. Initiating the payroll process on demand based on a selected list of employees. Storing information about approximately 2,000 company employees. The system must enable employees to maintain their direct deposit information.



## Second Runner up

**Team members** – Sudhnwa Ghorpade, Sindhuja Karjinni, Amit Khadke, Pranav Salokhe.

**Topic name** – **Oversee School Management System**

**Short brief** – Implementing a solution which will give access to all the information that they get it in traditional mode, automated triggered mail to inform parents.

Ubiquitous System, Single Robust and Integrated System, Online Platform, Reduce File System because data will stored into database.

**B Tech : Faculty Guidance by Assi. Prof. Sandeep Sagare**  
**External Evaluator – Swaliya Naikwadi (Singapore-Press Holdings media)**

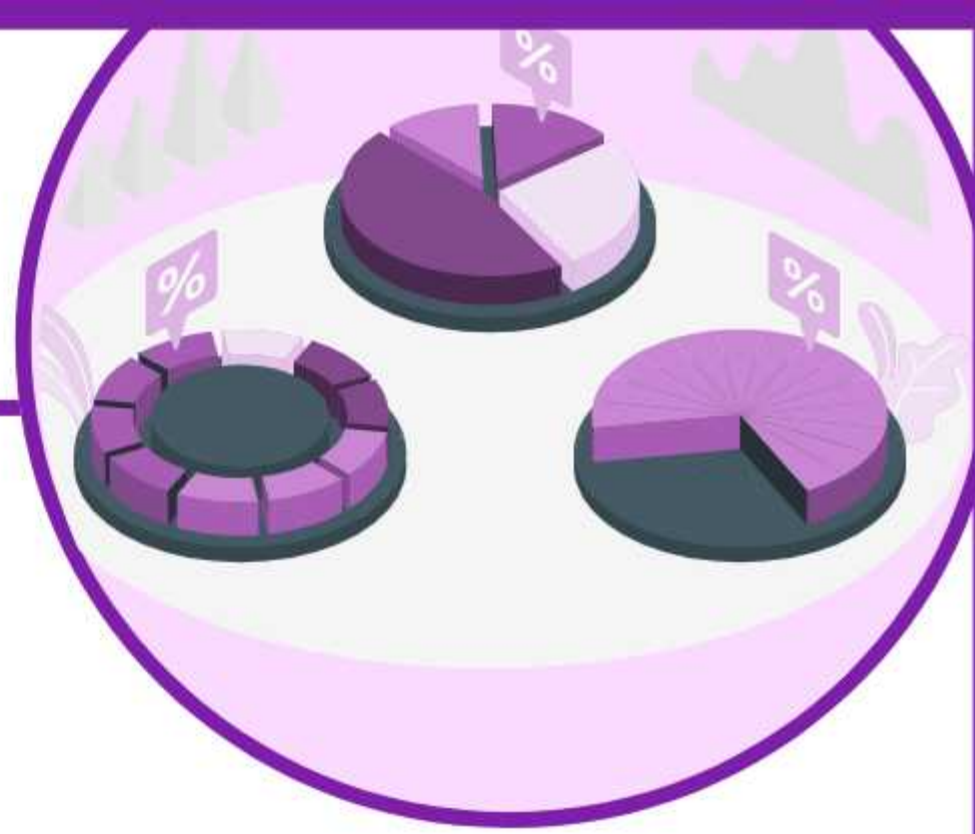
## Winners

**Team members** – Om Sanjay Phatak, Pratham Mohan Patil, Vinayak Prakash Mali.

**Topic name** – **Trip Management System**

**Short brief** – Implement an Advanced Database for trip managements system. Where objective is Manage all details of clients who registered and requested for getting the service, To digitalize the system for both user's and driver's ease, View all the details of the clients and employees (drivers), Getting a rating from the client to facilitate a reward facility for employee.





## First Runner up

**Team members** – Samruddhi Phutane, Ashwith Bhatt, Harnish Savsani.

**Topic name** – “**KOUSHALYA**” A Skilled Workers Platform

**Short brief** – To build a comprehensive web platform for skilled workers and society.

Problem Solver Bridge between workers and society.

Increase Job Opportunities.



## Second Runner up



**Team members** – Omkar Ghate, Siddhesh Bhosale, Siddhesh Alagade, Rupesh Patil.

**Topic name** – **Pharmacy Management System**

**Short brief** – Create an effective software to help the pharmacist to maintain the records. Where main objectives are To gain practical experience by modelling a software based on real world problem. To develop an application that deals with the day-to-day requirement of any pharmacy. To handle the inventory details like sales details, purchase details and stock expiry and quantity.



# FACULTY SECTION

## PROF. T. B. PATIL

Educational qualification and experience in KIT :



Talking about my educational qualification, I completed my **Diploma in Computer Engineering** in 1997. I worked for 2 years after that and then I completed my degree i.e. **B.E. in Computer Science and Engineering**. After graduation, I joined KIT in January 2004. While serving here, I completed my post-graduation, **M.E. in Computer Science and Engineering in 2010**.

Now talking about my experience at KIT, as I mentioned, I **joined KIT in 2004**. Since then I'm associated with KIT. Initially I was working with Department of Information Technology. Later that was merged into Computer Science and Engineering. Talking in terms of my experience, actually I came in this profession accidentally. I basically didn't want to be a teacher. But when I joined then after say three, four semesters, I enjoyed teaching and then I decided to continue with this profession. Well, talking in terms of enjoyment, definitely I'm enjoying a lot as long as this profession is concerned.



**Prof. T. B. Patil**  
Associate Professor  
Computer Science and  
Engineering

**2004**

January  
Joined KIT

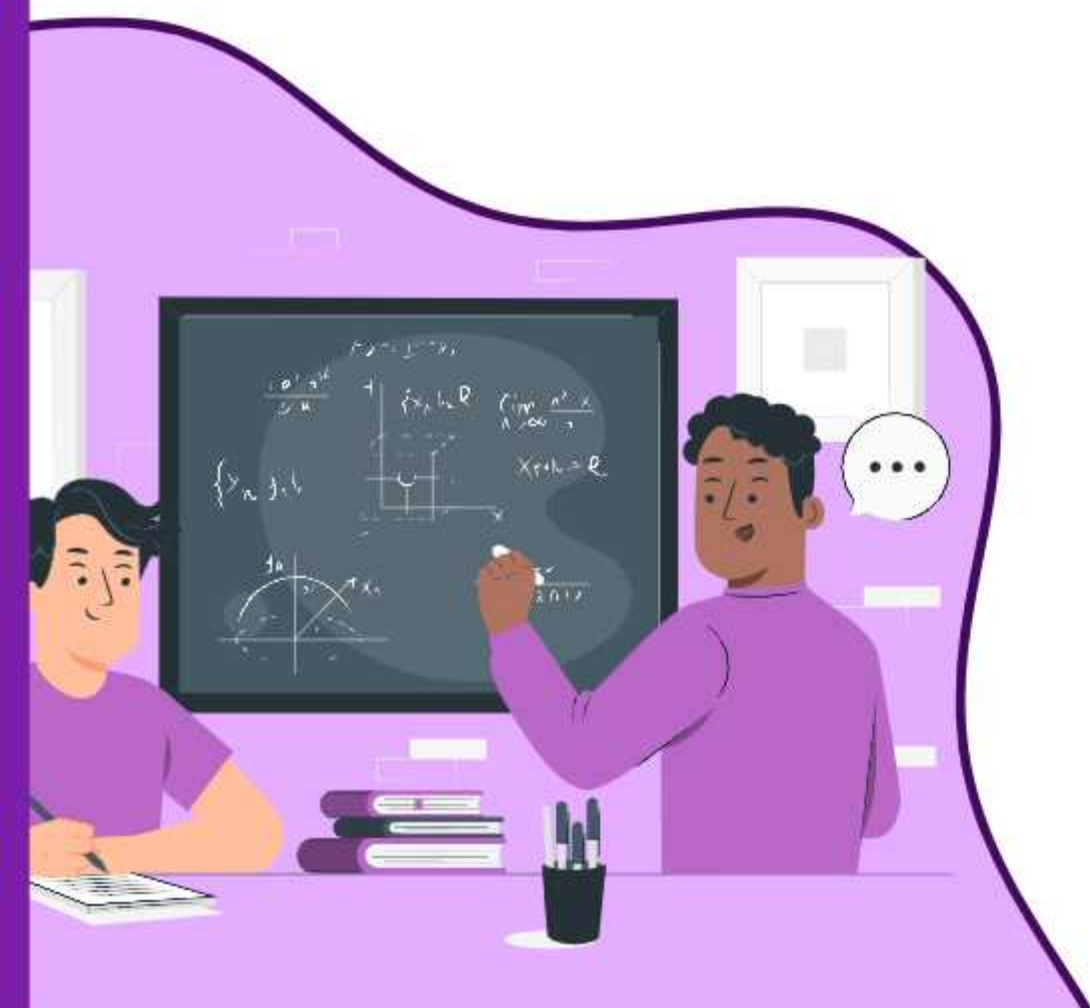
**2010**

M.E in  
Computer Science  
and Engineering

**Recently achieved the certification in DBMS from NPTEL.**

**Which is your special teaching subject in CSE? And what are the career opportunities in it?**

Frankly, I like **web development**, but I never taught that course. But the course I taught which I enjoyed is Object Oriented Programming a lot. **OOP is my favorite course**. As far as the Computer Networks part is concerned, I like socket programming and the application layer protocols, not simulating it, but actually implementing different servers and writing clients for that. Because see, that is what is happening in real life. One more subject I would like to mention is Operating Systems. So I've been teaching that also for the last 5, 6 years. Whenever we are talking about operating systems, we think it is purely theoretical. But it is not like that. Whatever the concepts are there with especially open source operating systems, we can see those concepts in real life. So these are a few subjects to mention.





**Recently you achieved the certification in DBMS from NPTEL. How was your experience regarding it?**

“

Okay, I would like to answer this question on two fronts. One thing is why I selected DBMS and second thing is why I selected NPTEL for this certification. Reason behind that was to have a database design especially for doing normalization and all that stuff. That is the reason I selected DBMS because I never taught this subject before. Second thing is why I selected NPTEL because the process of certification is rigorous, like each and every week there is assignment and then lots of activities are given and then proper certification is given after examination.

My experience with this was really interesting because in recent times, I have not done any certification. So I enjoyed it on both the ends. First thing is while studying it and second thing is when I got the result where I was in top 1% of achievers. So in all experience for this entire course was really nice.

## **Today's needs, future scope and career opportunities in CSE**

See, talking in terms of career opportunities in computer science, yes, it will be always there. So definitely because lots of automations are going on, what will change is just the technologies. Like previously we were working on ERPs, then SAPs. Now the trend is something like machine learning or data science or data analytics, maybe IoT, maybe hybrid kind of a thing where we need to work on cross branches. So scope will be always there.

Now, talking in terms of need, you must be lifelong learner because this is a very fastly changing branch in which technologies are coming every day. So you need to update yourself always. Now, whenever I am observing students, being in this profession for almost 18 years, the difference I am looking especially with the students is that they are expecting a lot with less investment in time. Especially like maybe completing assignments or whatever the time they are actually giving for study. Their expectations are lot, of course, there is nothing wrong with that. But what students should think is something like say for example, if they are working in this profession after completion of degree. What I suggest is these two years especially, Second year and Third year are actually investment. So they need to invest their time. If they invest it properly, definitely their life will be very good in professional career.



# STUDENT SECTION

## INTERVIEW



**Omkar Ghate**  
**Student, KITCOEK**

### PROFILE

**Name:** Omkar Ghate  
**Company:** Tejas Networks  
**Package:** 10 LPA  
**Job profile:** Research and Development Engineer

### ABOUT COMPANY

#### TEJAS NETWORKS:

Tejas Networks is an optical, broadband and data networking products company based in India. The company has built many IPs in multiple areas of telecom networking and has emerged as an exporter to other developing countries including Southeast Asia and Africa. Tejas has filed for 349 patents, of which 127 have been granted.

### HOW DID HE ACHIEVE THIS MILESTONE ?

- He cleared all the fundamentals concepts related to computer networks, Operating system, Database management system, programming languages (C++, Java)
- He used to practice coding on the platforms like LeetCode, Codeforces and Codechef (competitive programming)
- He has always been touched with Data structure and algorithm which is highly valued during interviews.

### EXPERIENCE OF INTERVIEW

Total rounds:

- **Aptitude(online)**
- **Coding round(online)**- coding part divided into 2 sections. First is pure technical and second one is for fundamentals OS, CN, DBMS
- **Technical rounds**
  - A) **Technical round 1**- Questions asked on these domains=OS,CN,DSA
  - B) **Technical round 2**- DSA higher concept like BST
- **HR round**- Family background, company fact checking, family background, situation based questions

**His suggestions for students who are in SY, TY is to grab higher packages**



# KITCOEK CLUBS



## 1 ACSES (Association of Computer Science & Engineering Students)

FACULTY CO-ORDINATOR - Mr. ARUN DESAI  
PRESIDENT - RUCHA JADHAV  
VICE PRESIDENT - KETAN KOKITKAR



ACSES organizes events & workshops to encourage students to learn trending skills & technologies and also provide educational resources to promote self-learning. ACSES is the leading committee which takes part in handling all the events of CSE department, including the mega coding event at PIONEER KITCOEK techfest.



## 2 WWW(Walk With World)

FACULTY CO-ORDINATOR - Mr. PRAMOD PATIL  
PRESIDENT - RUTWIK DESHPANDE  
VICE PRESIDENT - ISHA SHAHA

- Established in 2012.
- WWW is entirely into and for the development of students in all aspects.
- WWW organizes sessions and events such as KIT Model United Nations, an international platform for students to debate, discuss, and resolve international disputes worldwide.
- **Abhigyan** is an international student conference conducted by WWW team, which aims at providing young minds a platform to interact with eminent personalities.



# KITCOEK CLUBS



## 3 E-CELL (Entrepreneurship Cell)



FACULTY CO-ORDINATOR - Ms. VIDULA WASKAR  
PRESIDENT - ANIKET WALAKE  
VICE PRESIDENT - PRACHI KHATAVKAR



- **Mission:** To develop an effective interface between incubators, industry and start-ups for identifying, promoting and nurturing innovative ideas to develop commercialization of science & technology in the institute for mutual benefit.
- Aims to build an entrepreneurial environment
- Promotes Entrepreneurship Conducts workshops, competitions, visits, sessions, etc
- Nurtures students startups



# COMMITTEE INSIGHTS

## TECHNOSITES



### CORE TEAM:

- Ketan Kokitkar
- Hrishikesh Kole
- Heramb Gurav
- Sejal Vaswani
- Shreaya Panditrao
- Manasi Chougule






### MENTORS:

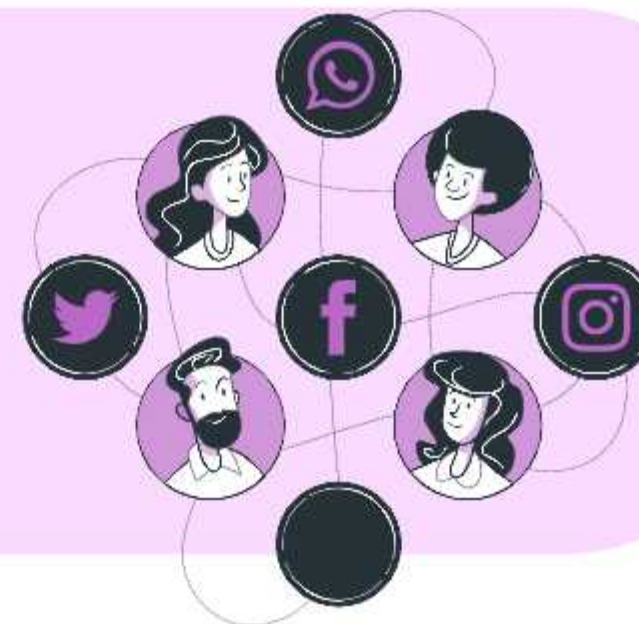
- Dr. Ajit S. Patil
- Dr. Kapil Kadam

### TY TEAM:

- Shriraj Khochage
- Vivek Sutar
- Samruddhi Bhole
- Nilam Kumbhar
- Anushka Bhoy
- Pranav More
- Shraddha Jadhav
- Aarya Teli
- Hritwik Shirolkar

### FOLLOW US:

-  @technosites\_kitcoek
-  Technosites KITCOEK
-  TKitcoek





Technosites  
KITCoEK

## **Technosites KITCoEK**

Department of Computer Science & Engineering

