

# coffee & CODE;

an initiative by **Department of Computer Engineering**

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## Computer Department's Vision

To be recognized globally, as a department which provides quality technical education that eventually caters to helping and serving the community.

## Computer Department's Mission

- 1) To develop human resources with sound knowledge in theory and practical of computer science and engineering.
- 2) To motivate the students to solve real world problems to help the society grow.
- 3) To provide a learning ambience to enhance innovations, team spirit and leadership qualities for students.



**Ratan Tata**

Industrialist, Philanthropist, Investor,  
Former Chairman of Tata Group

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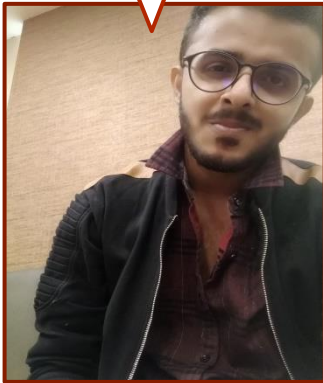


*I don't believe in taking right decisions,  
I take decisions and then make them right.*



Google classroom has always been helpful in the prime time. Its UI too is too neat and easy. Its so helpful for me in terms of managing my notes and dividing it in a sequential manner.

**Smit Vasani, SE Comps B**



Who doesn't like to be updated with the latest technologies! So did our department. The use of Google Classroom was of great help to us. All the data (notes, assignments.etc) that we want are already available there. All the important information is shared directly on the Google Classroom, eliminating the trouble to ask classmates about it. We now cannot say "I forgot the assignments", due dates are already notified there. :P

**Sagar Mistry  
BE COMPS A**



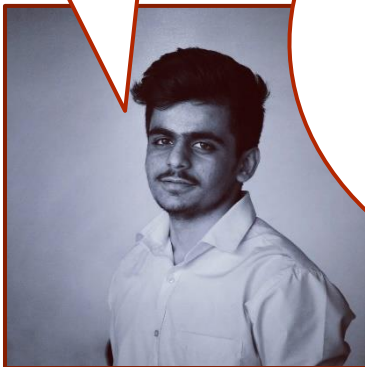
Google classroom was very helpful to me , specially at the time of viva and practicals. I got all the data and information about anything. So it was very helpful and easy way to understand things.

**Ayush Ladha  
SE COMPS A**



Google Classroom is great tool and it is very easy to use. Each class has unique registration code and you can even remove users/students if necessary. Every class has announcements, discussion boards, assignments and teachers and students can share/post links. As an admin, I can set deadlines and post digital assignments there. This is great because one can see which student has finished the task and when.And what's most important, Google Classroom makes folder in my Google Drive account of all assignments.

**Akhil J. Thakkar  
Year :- SE Comps B**



Computer Engineering is a field of study that promotes technological advancements which would make things much easier for everyone. One such great piece of art developed by Google is the "Google Classroom". Our department decided to adopt the new way of learning. All the data that the students needed( important notes, assignment deadline's, Project updates etc) were frequently updated by our professor's, eliminating the hassel of asking for notes or deadline's to your classmates.

**Aadit Prabhu  
BE-Comps (B)**





Google classroom was very helpful to us throughout the semester. We need not had to worry about the submissions or the pending work as our teachers used to update due dates which indeed led us to timely submission and score good marks. Each and every detail related to project/assignments/notes/workshops etc. was posted to keep us updated. Also all our queries were reverted back immediately. It was a great help to all of us. 😊

**Anjali Dwivedi, BE- COMPS A**



The Google Classroom indeed was the most interesting part when I just started my SE. The faculties provided assignments with all the due dates and all the practicals were also being updated time to time. We had 3 classes viz. Digital Logic and Design Analysis(DLDA), Data Structure(DS), Object Oriented Programming Methodology(OOPM). The faculties had put up last year question papers for our reference as well. The timely changes about lecture swapping or scheduling was duly put up on the classroom by the faculties. This move by the department was indeed fruitful and successful in keeping the students well updated and informed about the assignments, practicals and upcoming lectures.

**Gunjan Bharat Mehta, SE Comps A**



Google classroom, a highly world class facility for a student-teacher interaction. This year our college adapted google classroom, as a medium for the student to get updated regarding the assignment and projects to be assortedly completed by the students in the given period of time. It became the best medium to reach out to each and every student through digital medium, without physical distress of one to one in personal. Google classroom widely scrutinized the workload of students without disturbing their time spent on daily commute base .

**JHANVI M KASUNDRA,SE Comps A**

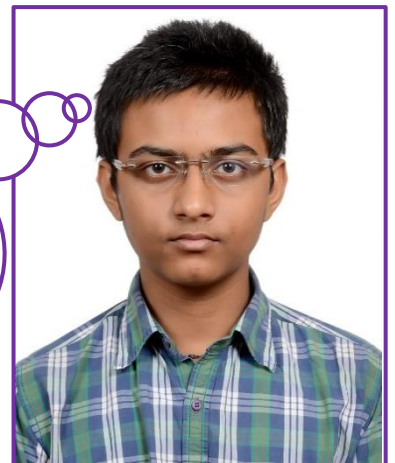
Using google classroom was really good idea Faculty uploads the Experiments/Assg question and we get anytime and complete it. The teachers give marks directly on Classroom so you get direct marks transparency is there. As we can download anytime we want plus everyone gets the thing parallely.

**Jay Nimesh Trivedi, TE comps B**



Google classroom has definitely been helpful and a nice workaround for digital notes ,also all our course materials are updated routinely by the faculty , also saves time by keeping content of that particular content available 24/7 helpful during revisions

**Manan Mitesh Sheth, TE Comps B**



Our Students along with their faculty guides had attended and presented their technical research papers in the **“International Conference on Smart Cities and Emerging Trends (ICSCET), 2018”** held in our very own campus in the month of January. After a rigorous scrutiny the papers got published on ieeexplore in the month of November. The details of the same are highlighted below:

S. No	Name of the Participants	Title of Paper
1	Silviya D'Monte, Grinal Tuscano, Leena Raut, Snehal Sherkhane	Rule Generation and Prediction of Anxiety Disorder using logistic model trees
2	Sagar Kawthankar, Raj Joshi, Eram Ansari, Silviya D'Monte	Smart Analysis and prediction for indian medicare
3	Rishikesh Lohote, Tejal Bhogle, Vaidehi Patel, Vishakha Shelke	Smart Street Light Lamps
4	Vishakha Shelke, John Kenny	Data Security in cloud computing using hierarchical CP-ABE scheme with scalability and flexibility
5	Nisha Gupta, Vanshika Gandhi, Charmi Hariya, Vishakha Shelke	Detection of code clones
6	Kanchan Rufus Dabre , Hezal Rahul Lopes , Silviya Simpson D'monte	Intelligent Decision Support System for Smart Agriculture
7	Jigar Parmar , Trishal Nagda , Pranay Palav , Hezal Lopes	IOT Based Weather Intelligence
8	Jay Patel, Haresh Wala, Deepak Shahu , Hezal Lopes	Intellectual and Enhance Digital Solution For Police Station
9	Azhar Somani, Shubham Periwal, Keshu Patel, Pranit Gaikwad	Cross Platform Smart Reservation Based Parking System
10	Jyotsna J. Jadhav, Chetali Ayare, Akash S. Nalawade, Rucha Pathari	DINE 'n' FINE TABLE: An interactive platform for food industry
11	Pravin J. Gupta, Heena R. Mhatre, Aachal P. Chaudhari, Rucha Pathari	Smart Livestock Trading
12	Ameya Patil, Dipesh Rana, Sachin Vichare, Chinmay Raut	Effective Authentication for restricting unauthorised user
13	K. Bharath S Reddy, Onkar Loke, Shantanu Jani, Kanchan Dabre	Tracking People in real time video footage using facial recognition
14	Vishal Tambe, Dinesh Chauhan, Sudarshan Kulal, Snehal Sherkhane	Offline Mobile Security
15	Gargi Desai, Vishal Ambre, Sagar Jahkharia, Snehal Sherkhane	Smart Road Surveillance using image processing
16	Sanjay Lohar, Ridhesh Hirpara, Tushar Kalsara, Sharvari Patil	Analysis and positioning of 2D Solar Panel
17	Rahul Bhatt, Kewal Thakkar, Hiren Kanzariya, Sridhar Iyer	3 Tier Bank Vault Security
18	Varun Nair, Shubhangi Jena, Yash Kuvawala	Configuration optimization of network topology by introducing parallel topology to enhance data communication for the network.

The blockchain is an undeniably ingenious invention – the brainchild of a person or group of people known by the pseudonym, Satoshi Nakamoto. But since then, it has evolved into something greater, and the main question every single person is asking is: What is Blockchain?

By allowing digital information to be distributed but not copied, blockchain technology created the backbone of a new type of internet. Originally devised for the digital currency, Bitcoin, (Buy Bitcoin) the tech community is now finding other potential uses for the technology. Bitcoin has been called “digital gold,” and for a good reason. To date, the total value of the currency is close to \$112 billion US. And blockchains can make other types of digital value. Like the internet (or your car), you don’t need to know how the blockchain works to use it. However, having a basic knowledge of this new technology shows why it’s considered revolutionary.

### **How does “Blockchain” work ?**

Information held on a blockchain exists as a shared — and continually reconciled — database. This is a way of using the network that has obvious benefits. The blockchain database isn’t stored in any single location, meaning the records it keeps are truly public and easily verifiable. No centralized version of this information exists for a hacker to corrupt. Hosted by millions of computers simultaneously, its data is accessible to anyone on the internet.

### **Blockchain durability and robustness.**

Blockchain technology is like the internet in that it has a built-in robustness. By storing blocks of information that are identical across its network, the blockchain cannot:

- 1) Be controlled by any single entity.
- 2) Has no single point of failure.

Bitcoin was invented in 2008. Since that time, the Bitcoin blockchain has operated without significant disruption. (To date, any of problems associated with Bitcoin have been due to hacking or mismanagement. In other words, these problems come from bad intention and human error, not flaws in the underlying concepts.) The internet itself has proven to be durable for almost 30 years. It’s a track record that bodes well for blockchain technology as it continues to be developed.

### **Who will use blockchain ?**

Currently, finance offers the strongest use cases for the technology. International remittances, for instance. The World Bank estimates that over \$430 billion US in money transfers were sent in 2015. And at the moment there is a high demand for blockchain developers. The blockchain potentially cuts out the middleman for these types of transactions. Personal computing became accessible to the general public with the invention of the Graphical User Interface (GUI), which took the form of a “desktop”. Similarly, the most common GUI devised for the blockchain are the so-called “wallet” applications, which people use to buy things with Bitcoin, and store it along with other cryptocurrencies. Transactions online are closely connected to the processes of identity verification. It is easy to imagine that wallet apps will transform in the coming years to include other types of identity management.

### **Conclusion**

Indeed.com, one of the biggest job portals in the world, published some interesting statistics regarding the rise of Blockchain jobs. It looks like the number of blockchain jobs increased from December 2016 to December 2017 by a staggering 207%. But that’s not the end of it. According to the stats, this number has increased by, a scarcely believable 631% since November 2015. The blockchain gives internet users the ability to create value and authenticates digital information.

Ratan Tata is one of the leading Indian industrialists, ex- Chairman of the largest Indian conglomerate, Tata Group of Companies. He currently holds the post of Chairman Emeritus of Tata Sons, the holding company of the Tata Group which controls some of the major companies including Tata Steel, Tata Motors, Tata Power, Tata Consultancy Services, Indian Hotels and Tata Teleservices. Brought up by his grandmother from the age of ten when his parents separated, he became actively involved in the family business after completing his graduation. He started as a fellow worker on the shop floor at Tata Steel and gained an insight about his family business. After the retirement of J.R.D. Tata, he became the new Chairman of the Tata Group. Under his leadership, the organization achieved new heights and generated large amount of overseas revenues. He was instrumental in the acquisition of Tetley, Jaguar Land Rover and Corus, which turned Tata from a major India-Centric company to a global brand name. Apart from expanding his multinational, he has also served in various capacities in organizations in India and abroad. He is also a leading philanthropist and more than half of his share in the group is invested in charitable trusts. Through his pioneering ideas and positive outlook, he continues to serve as a guiding force for his conglomerate even after retirement.

### **Childhood & Early Life :**

He was born on December 28, 1937 in Surat, India, to Naval Tata and Sonoo. Naval Tata was the adopted son of the Jamsetji Tata's younger son Ratanji Tata. Jamsetji Tata was the founder of the Tata Group of Companies. Ratan Tata has a brother, Jimmy, and a step-brother, Noel Tata. When he was ten, his parents, got separated and thereafter, he and his brother were brought up by his grandmother, Navajbai Tata. He received his early education from the Campion School, Mumbai and finished his schooling from the Cathedral and John Connon School, Mumbai. In 1962, he obtained his B.S. in architecture with structural engineering from Cornell University, U.S.A.

### **Career :**

In 1962, he started his career with the Tata Steel division where he shoveled stones and worked with the furnaces along with the blue-collar employees. It was a difficult job and helped him gain a better understanding and respect for his family business. In 1991, J.R.D. Tata appointed him as the new Chairman of the Tata Group of Companies. This decision came under scrutiny following objections from other executives of the company and questions were raised regarding his ability to run the corporation but he succeeded in improving the financial success of the industries and expanded the growth of the organization under his leadership. He transformed the management and vision of the division, and managed to bring in significantly larger dividends.

### **Major Works:**

As the Chairman of Tata Group, he was able to achieve international recognition and prestige for his company. The astounding financial success of the company brought the Tata Group to the New York Stock Exchange and under his supervision the corporation became a global brand by acquiring many companies including Tetley, Jaguar Land Rover, and Corus. He is also a notable philanthropist and more than 65% of his share is invested in charitable trusts. One of the primary goals of his life has been to raise the quality of life of Indians along with human development.

### **Awards and Achievements:**

In 2000, he was conferred the Padma Bhushan, the third highest civilian honor awarded by the Government of India. In 2008, he was awarded the 'Padma Vibhushan', the second highest civilian honor awarded by the Government of India. In 2009, he received the 'Award of 'Grand Officer' of the Order of Merit of the Italian Republic' from the Government of Italy. In 2009, he was awarded the title of Honorary Knight Commander of the Order of the British Empire, United Kingdom. In 2010, he won the 'Oslo Business for Peace Award' presented by the Business for Peace Foundation. In 2014, he was conferred the 'Honorary Knight Grand Cross of The Order of the British Empire'.