

ECHO



Computer Department Newsletter

OCTOBER 2017 | VOL 18

VISION

To equip women with excellent education in Computer Engineering enabling them to play significant leadership roles in technology and society.



“THE SCIENCE OF TODAY IS THE
TECHNOLOGY OF TOMORROW”
-EDWARD TELLER

MISSION

1. Impart excellent education, necessary skills, training and experimentation capabilities in the field of computer science and engineering.
2. Create a vibrant and an intellectually stimulating environment for students to promote innovative and multidisciplinary real world problem solving.
3. Develop women professionals and imbibe work ethics and leadership skills in them, thereby helping them pursue successful career and contribute to science and technology.
4. Collaborate with industry and other universities to help create competent computer professionals.
5. Strive to fulfil the expectations of all relevant stakeholders.

Program Educational Objectives (PEOs)

1. To prepare students for academic competence, to be employed as computer professionals, for industry, higher studies, research and entrepreneurship to significantly contribute to the society at large.
2. To develop students fundamental knowledge related to mathematics, science, computer science, computer engineering and to make them capable of providing

solutions to challenging problems and multidisciplinary problems.

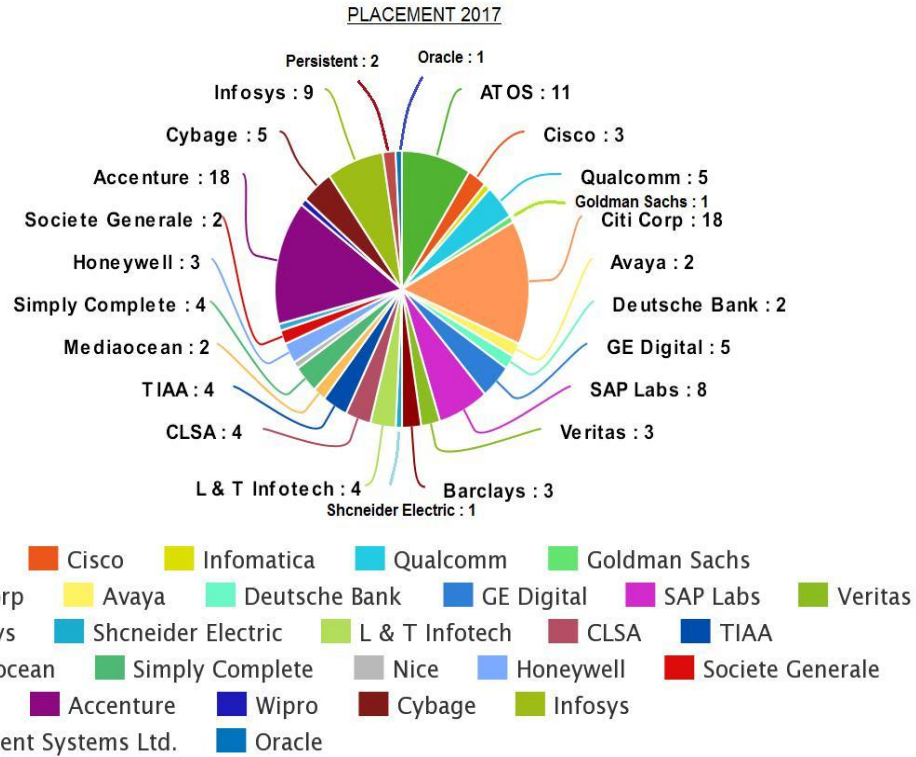
3. To enrich students with soft skills, leadership skills, professional skills and work ethics to make them good computer professionals and role models for future generations.
4. To prepare students capable of self-learning, to have the ability to adapt to changes and to possess the ability to understand the impact of engineering on society and humankind.

Program Specific Outcomes (PSOs)

1. Graduates capable of working in various domains, solving problems by applying knowledge and skills from Software Development, Networking, Databases, Internet of Things, and Embedded systems.
2. Graduates capable of developing, maintaining software services, software products and embedded systems by applying the entire software developments by applying the entire software development life cycle.
3. Graduates capable of communicating effectively and understand and implement client requirements in various domains with a realistic view of all constraints and sustainability.
4. Graduates capable of pursuing successful careers in industry, higher studies, research, and expected to adapt and contribute to ever-changing and evolving trends.

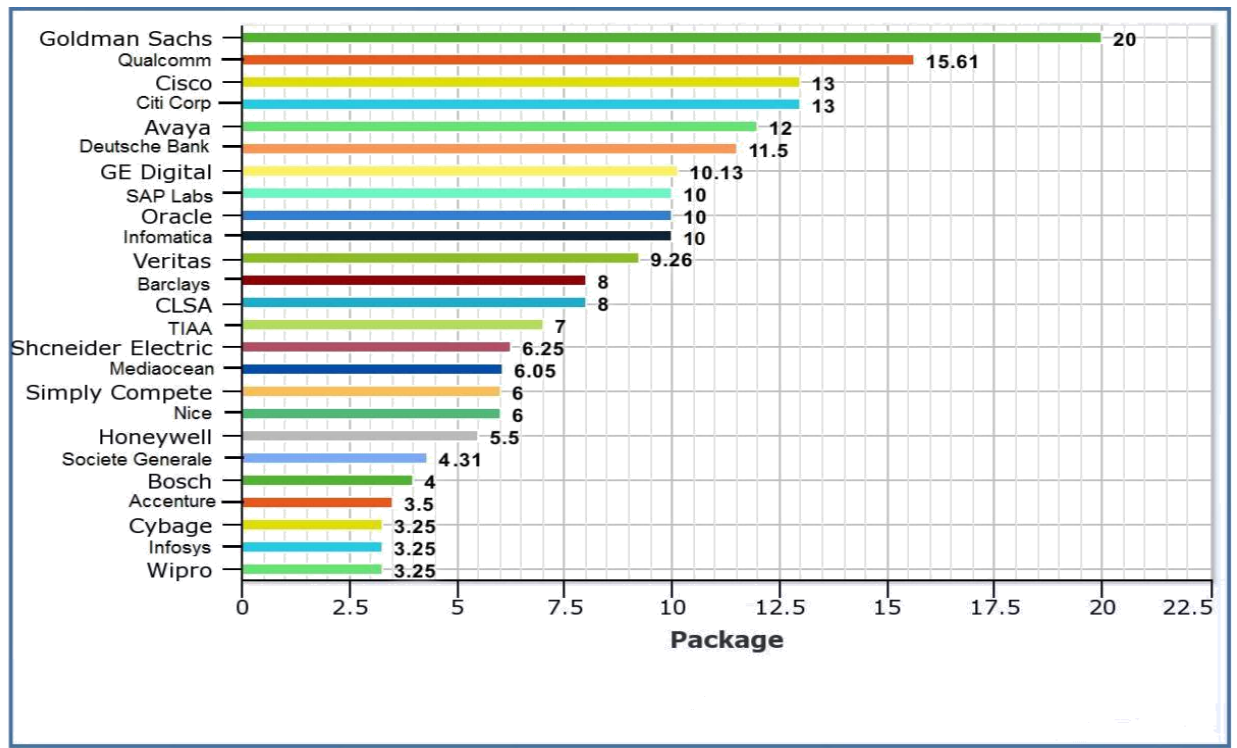
PLACEMENTS 2017

COMPANY AND NUMBER OF STUDENTS PLACED



Total no. of students placed: 121

COMPANY AND SALARY OFFERED



TOPPERS

BE TOPPERS		
Rank	Name	%
1	Patil Megha	79.87
2	Lunkad Pratima	79.73
3	Pillay Aarti	79.40
TE TOPPERS		
Rank	Name	%
1	Sarna Latika	76.87
2	Syyad Ifat	75.93
3	Shelke Mamta	75.87
SE TOPPERS		
Rank	Name	SGPA
1	Kale Manali	9.42
2	Kanade Utkarsha	9.32
3	Ghanekar Rutuja	9.3

Special Achievements

1. Drishti Jain from TE has been selected as "Google's Lead for Developer Student Club."
2. Anusha Kalbande from TE received Scholarship of US \$ 1500 from Goldman Sachs and IIE.(Indian Institution Of Industrial Engineering)
3. Riya Tirole, Devika Sathaye, Shreya Kar, Rafiya Shaikh and Priyanka Parate from BE are selected to receive the WeTech Goldman Sachs Scholars award from Goldman Sachs and the Institute of International Education's WeTech.

4. Shreya Kar from BE secured student scholarship at Grace Hopper Celebration India.

Co-Curricular Activities

1. Sakshi Pophle and Shivani Kadam from SY received 2nd prize in paper presentation organized by AISSMS Engineering in event TODAY 2017 held from 13th to 15th September.
2. Alisha Joshi, Kaveesha Shah, Laxmi Garde and Pratima Lunkad from BE received second Prize in National level Project Competition Convene 2017 organized by SKNCOE, Pune.

Sports Achievements

1. Vidushi Mishra and Anushka Kulkarni from SY are winning team members of Volleyball Women National level Inter - Engineering sports Meet SUMMIT held at MIT- WPU, Pune on 14th-18th September 2017.
2. Shalmali Shenolikar, Raghavi Adoni and Vedika Bhende from SY are winning team members of Basketball Women National level Inter - Engineering Sports Meet, SUMMIT 17 held at MIT-WPU, Pune on 14th-18th September 2017.
3. Prachi Chavan from TE was winner of Volleyball Intercollegiate level sports competition organized by BMCC, Pune.
4. Gauri Chaware from BE received highest score, Minal Gupta from BE received Best Lifter, Devika Kale and Radhika Kerur from BE received Best Player award in National level at Basketball Competition SUMMIT-17 organized by MIT, Pune.
5. Sharvari Dongre, Radhika Kerur from BE in Volleyball, received fourth Prize in an Inter collegiate Table Tennis Women Competition organized by SPPU, Pune City Sports Zone.
6. Himangi R.Talashilkar, Shevi jain, Mamta D.Shelke from BE received third prize in Inter collegiate Table Tennis Women Competition organized by SPPU, Pune City Sports Zone.
7. Priyanka Shinde from TE was Runner-Up of Kho-Kho Intercollegiate level sports held at Shree Siddhivinayak Mahila Mahavidyalaya, Pune
8. Harshada Kulkarni from BE was Runner Up in an Inter collegiate Kho-Kho Competition organized by Pune Zonal Sports Committee.
9. Himangi R.Talashilkar, Shevi Jain in Table Tennis Women, Udayani Jadhavrao, Devika Kale in Football Women, Minal Gupta, Sharvari Dongre, Radhika Kerur in Volleyball Women, Gauri Chaware in Basketball Women are winning team members from BE in National level sports event SUMMIT-17 organized by MIT,Pune.

FACULTY

Achievements

- 1) Prof. A. Muchrikar was a Member of Panel Discussion at PSL held on 19th September, 2017 at PSL, Hinjewadi, Pune.
- 2) Prof. P. Deshpande has taken admission in Ph.D. at the Dept. of Technology, SPPU as of 31st July, 2017.
- 3) Prof. C. Gosavi completed an 8-week NPTEL online certification on Developing soft skills and personality from July to September, 2017 securing 84%.
- 4) Prof. S. Joglekar completed her M.E. in November, 2017 from MMCOE, Pune under SPPU.
- 5) Prof. R. Shelke completed an 8-week NPTEL online certification on Introduction to Machine Learning from July to September, 2017 securing 51%.

Awards

1. Dr. S. Arora received Dewang Mehta award of “Best professor in Computer Engineering” on 26th September, 2017 at Indira college of Engineering and Management, Pune.
2. Dr. S. Arora was awarded “Prof. Indira Parikh 50 women in Education Leaders Award 2017” on 23rd November, 2017 at World Education Congress, Mumbai.

Resource Person

1. Dr. S. Kelkar was an expert member in the 2nd International Conference on Intelligent Computing and Communication, ICICC-2017 held from 2nd August 2017 to 4th August 2017 at MIT-WPU, Pune.
2. Dr. S. Jahirabadkar was the Session Chair for ICCUBEA-2017 held from 17th August to 18th August 2017 at PCCOER, Pune.
3. Dr. S. Jahirabadkar was the Session Chair at CSI Project Competition Regional Round held on 16th September 2017 at MIT-WPU, Pune.
4. Prof. H. Khairnar delivered a Guest Lecture on “Theory of Computation” For TE Computer Engineering students on 7th October 2017 at MMCOE, Pune.
5. Prof. C. Gosavi was the Expert faculty for “Faculty Orientation workshop on TE (E&TC and Electronics) for the Revised syllabus 2015 course for Unit-II of SP&OS on 14th December 2017 at PCCOER, Pune.

Reviewer

1. Dr. S. Jahirabadkar was the reviewer for ICCUBEA-2017 held from 17th August to 18th August 2017 at PCCOER, Pune.
2. Prof. H. Khairnar was the reviewer for DAA Question Paper of MIT World Peace University on 27th October 2017.
3. Prof. V. Pimprale was the reviewer of ICCUBEA-2017 held from 17th August to 18th August 2017 at PCCOER, Pune.

Research Publications

1. Dr. S. Kelkar presented a Literature Review on “An insight into performance and security bugs in IoT Operating Systems” at the International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017) held on 18th June 2017 at the Centre for Development of Advanced Computing (C-DAC), Mumbai.

2. Dr. S. Kelkar presented a paper on “Leader based adaptive fault diagnosis algorithm for Distributed Systems” at the International Conference on Information, Communication, Instrumentation and Control -2017 (ICICIC-`17) held between 17th -19th August 2017. These papers will be published in the IEEE Xplore. (Conference ID 41237)

3. Prof. S. Hulyalkar presented a research paper on “Optimal Solution Generation from Reviews and Micro-Reviews using Greedy Algorithm” at the 3rd International Conference on Computing, Communication and Automation (ICCUBEA-2017) held between 17th and 18th August 2017 at PCCOE, Pune.

4. Dr. S. Kelkar presented a paper on “Coordinator-based adaptive fault diagnosis algorithm for Distributed Computing Systems” at the 6th International Conference on Advances in Computing, Communications and Informatics (ICACCI-2017) held between 13th and 16th September 2017 at the Manipal Institute of Technology, Manipal. These papers will be

published in the conference proceedings (SCOPUS) and submitted to the IEEE Xplore.

5. Prof. J. Langhi presented a paper on “Distributed Crawler for Detection and Removal of DUST using DUSTER” at the 7th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017) organized by The Institution of Electronics and Telecommunication Engineers (IETE), New Delhi, India. Her work was published in the International Journal of Engineering Technology Science and Research. (ISSN 2394 – 3386, Issue 7 July 2017, Volume 4)

6. Prof. C. Gosavi presented her research on “Analysis of Blind Image Watermarking Algorithms” at 2nd International Conference on Intelligent Computing and Communication, ICICC held between 2nd August and 4th August, 2017 at MITCOE, Pune.

7. Prof. C. Gosavi published a paper on “Secure, Robust Video Watermarking to Prevent Camcorder Piracy” in the Indian Journal of Science and Technology. (IJST) (Issue 18, pp.1-10, 2017 Vol 10, SCOPUS)(Web of Science Indexed)

Details of workshops attended

1) Prof. R. Dongaonkar and Prof. S. Mandke attended a two week long National Level STTP on “Data Mining: Research Avenues and Tools” from 29th May to 9th June 2017 held at SCOE, Pune.

2) Prof. J. Bangare attended a one week workshop on “Research Methodology & Thesis Writing for Engineering Scholars” between 12th June 2017 and 16th June 2017 at the Sinhgad Technical Institute. Smt Kashibai Navale College of Engineering Vadgaon Bk, Pune.

3) Prof. C. Gosavi completed a 8-week NPTEL online certification on Developing soft skills and personality funded by Ministry of HRD, Govt of India between July 2017 and September 2017 at CCEW, Pune.

4) Prof. R. Shelke attended a five day FDP on “Data Science and Big Data Analytics” held from 29th May 2017 to 2nd June 2017 at the MIT Academy of Engineering, Pune.

5) All the faculty members of Computer Department attended a one day Knowledge Sharing FDP on “Innovative Methods of Teaching” held on 9th June, 2017 at Cummins College of Engineering, Pune.

6) Prof. M. Kamlakar, Prof. V. Salgar, Prof. P. Deshpande and Prof. R. Shelke attended a Five Days FDP on “Advanced Java Programming & Mobile Application Development” between 12th June 2017 and 16th June 2017 at SITS, Narhe Pune.

7) Prof. M. Deore, Prof. A. Hajare, Mr. R. Holkar and Ms. D. Nagrale attended a one Day Faculty Development Program on Computer Networks Laboratory on 13th June 2017 at the Sinhgad Technical Institute. Smt. Kashibai Navale College of Engineering Vadgaon Bk, Pune.

8) Prof. R. Dongaonkar, Prof. N. Attar and Prof. J. Bhangare attended a one Day Faculty Development Program on “Database Management System Laboratory” on 16th June 2017 at KJ College of Engineering and Management Research, Pune.

9) Prof. C. Gosavi completed a one week AICTE approved FDP on “Foundation Program in ICT for Education” presented by IIT-BombayX at CCEW, Pune.

10) Dr. S. Kelkar, Prof. C. Gosavi and Prof. S. Pant attended a Faculty Development Program on “FDP101x” from 19th August 2017 to 20th August 2017 under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Ministry of Human Resource Development (MHRD) and Government of India (GoI) at CCEW, Pune.

11) Dr. S. Kelkar, Prof. C. Gosavi and Prof. S. Pant attended a two week AICTE approved FDP on “Pedagogy for Online and Blended Teaching-Learning Process” from 14th September 2017 to 12th October 2017 presented by IIT-BombayX, at CCEW, Pune.

Guest Lectures

1) A session on “YD and Innovation” was delivered by Dr. Parag Kulkarni (Director, iKnowlation Research Labs) for the second year students on 12th September 2017. It was arranged by Prof. Dr. S. Jahirabadkar.

2) A talk on “Women in Technology” was conducted by Ms. Stacey Lacy, (Managing Director, Citi Corp) for the students of third year. It was arranged on 20th September 2017 by Prof. R. Dongaonkar.

3) Dr. S. Arora and Prof. S. Shirsath arranged a talk on “Software testing: Contemporary and Emerging Trends” for the students of third year on 25th September 2017. It was delivered by Mr. S. Bapat, Process Manager, SQS India Infosystem Pvt. Ltd.

4) A guest lecture on “Big Data and Hadoop” was arranged by Prof. H. Khairnar, Prof. R. Dongaonkar, Prof. N. Atar and Prof. J. Bhangre for the students of third year on 22nd September 2017 that was delivered by Mr. Amol Dhondse and Mr. Anand Pikle, Lead IT architect at IBM.

5) On 25th September 2017, Prof. M. Deore and Prof. S. Mengale arranged a talk on “Importance of Engineering Economics” for the students of third year and it was delivered by Mr. Mahendra Murkute, Manager, Tax and Regulatory Services, (Infrastructure, Industrial & Consumer, Ernst & Young LLP).

6) Prof. S. Tikhe and Prof. M. Deore arranged a guest lecture on Cisco Packet Tracer and Router Configuration for the third year students, that was delivered by Mr. Qaidjohar Zoeb Jawadwala, IT Consultant on 5th October 2017.

7) Prof. V. Salgar and Prof. M. Kamlakar also arranged a session on “Aptitude Development” for the third year students. It was conducted on 11th October 2017 by Prof. Kirti Agarwal, Asst. Professor (Allied Department, CCOEW).

8) Prof. S. Mandke, Prof. R. Kulkarni and Prof. P. Date arranged a lecture on “Data Structure Applications” on 3rd October 2017. It was delivered by Mrs. Prajakta Joglekar, Freelancer, (Alumnae of Department) for the students of second year.

Presence Of Mind can Save a Person’s Life!

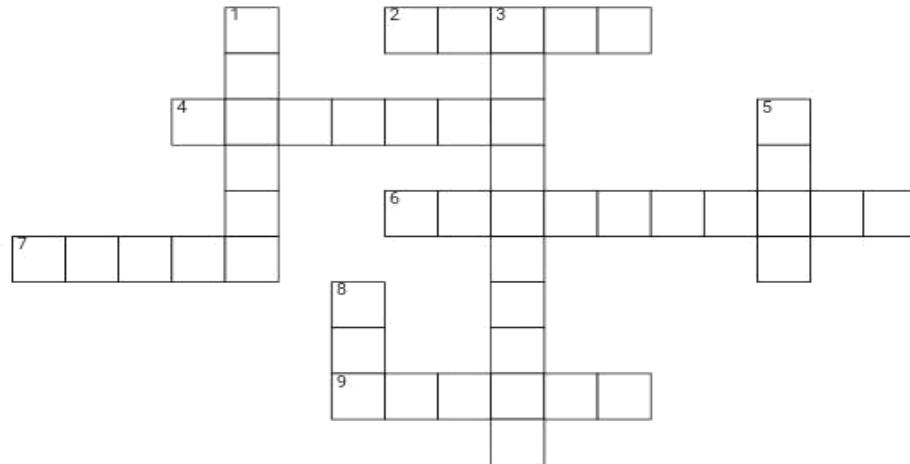
Rutuja Budukh and Sania Kulkarni studying in final year from our college saved the life of Aniket Barwekar (21) who was knocked down by a Pune Mahanagar Parivahan Mahamandal Limited (PMPML) bus near Karishma Society in Kothrud. They took Aniket to Deenanath Mangeshkar Hospital where he was operated upon immediately. Their quick action saved his life. They were on their way home and had halted at a traffic signal near Karishma Chowk when they heard a loud crash. After parking their vehicle they immediately rushed to the accident spot. On seeing a man lying unconscious and badly injured they called for an ambulance. They took an auto rickshaw since the ambulance was taking time and rushed him to the hospital. Also they found two of Aniket’s cell phones but both were password secured and there was no emergency number displayed on the screen. So they put one SIM card in their phones and dialled a few numbers saved on the card. Due to this they could contact his father and a friend. As a result of their quick action a life was saved.

CSI (Computer Society of India)

CSI is the first and largest body among computer professionals with 72 student chapters, 511 student branches and around 100K members all over India. This is a non-profit professional asset to exchange information. Various activities are conducted under CSI which help students build their technical skills and enhance their resumes. Activities which are likely to be organized in following year under CSI Cummins Chapter are: Coding Competitions, Workshops, Project Exhibition, Paper Presentation etc. These activities along with periodic conferences and seminars, will aim to build confidence among students to try their hands out on various skill set. CSI Cummins Chapter 2017-18 is active under guidance of Prof. S. Mandke, Prof. V. Salgar and Prof. P. Deshpande. From Cummins, almost 20 students stood for CSI elections. Out of which 3 were selected for the posts of Chairman, Secretary and Treasurer. This panel acted as bridge between the students and teachers & proved to be an advantage for conducting various events on student's demand.

CROSSWORD

Operating Systems



ACROSS

- 2 Single user operating system
- 4 Program in execution
- 6 Long process waiting for its turn for infinite time
- 7 Commandline interpreter
- 9 Lightweight process

DOWN

- 1 Heart of operating system
- 3 middle term scheduler
- 5 Multiuser multitasking operating system
- 8 page available in cache

By Prof. C. Gosavi

Introduction

An active student, Sayali Marathe (2005 pass out) who balanced studies and extra-curricular, received Best Outgoing Student Award in her final year, Engineer by profession with significant years of consulting in SAP, starting a jewellery venture was never on her agenda. For a meticulous planner like her, this passion accidentally turned into a full-fledged business. This was clearly an adventure. The immense happiness she gets from “Aadyaa Originals”, the chance to touch lives, bring smiles and boost confidence through her handcrafted creations. She loved to study her subjects, so each and every piece you see here comes with a well defined thought and a story attached to it.

Q: What role has Cummins College played in your life after graduation?

A: Cummins has played a major role not only after graduation but also during graduation. Because of the kind of discipline we have in our college I imbibed a lot of basic principles of working in a professional life. For example, abiding to a particular time, basic manners, punctuality in whatever you do, which are major missing factors in most Indians. Strict schedule makes you learn how to manage your time, multitask and take on the stress. I was always part of cultural activities, it was never just studies, it was drama, dance, and sports and everything which enables you to have balanced life as well.

Q: What qualities does Cummins College possess, according to you that other colleges lack?

A: To be very honest with you, I won't be able to compare. I think it's the discipline part. Most colleges don't have mandatory attendance, so at times it becomes frustrating that others can roam around and we are always in college, have to do submissions, and copying is also not allowed, but then we realised slowly that we can develop things by ourselves and can explore many things as labs are well equipped.

Q: What are the golden memories that you have taken back with you from Cummins?

A: All my cultural activities and the BE project. But the golden memory will be the award I got in my final year for the best outgoing student of 2005.

Q: How did you manage to take out time for extra-curricular activities from the hectic schedule of engineering academics?

A: It's the other way round, I had to take time out for studying, I was always doing extra-curricular activities. But on a serious note, we had to do well, so we cleared our concepts and then we used to study in preparatory leave.

Q: You worked in the technical field for 10 years after graduation how was your experience? What positive aspects did you find in the industry?

A: Those 10 years were great, I was already prepared for professional setup, thanks to our college. Yes, I had to learn the technical skills required in the company I joined. But the basic attitude and basic method of working was clear. The positive aspects include the independence you enjoy and the knowledge you gain.

Q: You are working with handmade jewellery now, what inspired you to come into this field? Tell us a little bit about “Aadya originals”.

A: Honestly it was an accident, I never planned for it, but I always wanted to start something of my own, right from when I was working in SAP. So that is where the idea of Aadya came into the picture, I started it as an experiment then it came to a point that I had to quit my job to take this up full time. I started Aadya in 2013, on Facebook, then looking at the response I decided to open up store in 2015. And having technical background the first thing I did was creating a website and sell it on an e-commerce platform. And now we are looking at expanding it more.

Q: Why did you decide to choose Computer Engineering and what do you think about your choice looking back now?

A: I was very happy with Cummins Computer Engineering. It’s one of the most prestigious college. Besides I had passion for computers from 10th standard. If at all I wanted to do engineering, it was in computers. Data Structures is my forever favourite.

Q: How would you describe the corporate culture you work in now?

A: It’s not really a corporate culture, it’s a very homely setup. We are a team of 10-12 people who are completely in sync with each

other. Yeah, I do interact with a lot of other people, but it’s basically a venture.

Q: How did you maintain the balance between family and having a career following your passion?

A: As I said, since we were always equipped with multitasking, we were trained to balance various tasks. Both my families have been very supportive. So even after having a kid I could dedicate time to my work. See there is always a challenge in everything, but if there is will you find a way.

Q: What do you enjoy doing in your non-working hours?

A: I love to play with my kid and I love to read. I love to read non-fiction. I can read PJ Woodhouse and P.L. Deshpande forever. Biographies of sportspersons are my favourite. I like Wings of Fire.

Q: Although you are in business field now, is experience of technical field helpful in any way?

A: Absolutely, in organizing everything, the back-end, office and inventory management my technical experience has helped me a lot.

Q: If you were still working in technology, where would you have loved to work at?

A: SAP. I was working as a SAP consultant, I would be happy to continue there.

Q15: How do you see technology and business walking hand in hand?

A: I think no business can run now without technology. They have to go hand-in-hand, because social marketing plays a major role now.

Q16: What message you would like to give to the newly graduated computer engineers before stepping into the industry?

A: While entering the industry, you have to be sincere. Your attitude should be proper. You have to warm up to changes because with your generation, more than ours, technology is changing so fast. Adapting is the best way to go forward, I think.

Faculty Co-ordinators

Prof. S. Tikhe

Prof. S. Mandke

Prof. S. Davalbhakta

Student Co-ordinators

Ms. Anushka Sancheti

Ms. Neha Bidave

Ms. Pratyusha Patil

Ms. Saumeya Katyal

Ms. Sayali Pati