



VESIT Renaissance Cell

-by Yash P. Bhanushali
Nidhi R. Mishra

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VESIT Renaissance Cell commenced its summer internship program in the month of June which went on till July 2017. With an amazing response of 233 students, a great feat of 111 students getting selected for internships was achieved. Here are a few words by Mr. Amit Singh (Asst Prof.) & Mrs. Anjali Shrikant Yeole (Asst Prof.) :

“Dear VESITians,

Warm regards from VESIT Renaissance Cell(VRC) !

We first thank VESIT Connect team for giving us an opportunity to present to all the VESITians VESIT's new Endeavour “Internships”. The Summer Internship of 2017, was an outcome of Principal madam's vision of providing practical experience to the VESIT students, and the job was assigned to VRC. The Internship which was conducted during June-July 2017 was first of many more to follow, as per the vision of Principal madam. For this year's Summer Internship a total of 233 students applied and 111 students were selected.

The Summer Internship was inaugurated on 16th June 2017, with a motivational talk by Principal madam, followed by Keynote Speech by Training & Placement Officer Mr. A. Nagananda. The month long internship got over on 15th July, 2017. There were six labs reserved for interns to work viz. lab no. 102, 205, 210,308, 401 and 505. The interns are to be provided a graded certificate stating the project that they carried out during internship.

Further, we would like to take this opportunity to thank all the interns for their whelming response and hard work which they put in this summer. For VRC members also, it was a great experience working hand in hand with the interns and we hope that their experience of this internship, as well, was engaging and edifying.

Regards,
VESIT Renaissance Cell. “

Some of the projects made were as follows :-



VESIT Renaissance Cell Team

Digital Thermometer:

Submitted by Ranjeetkumar Yadav(D9B), Dinesh sonawane (D8), Nikhil Ahuja (D14A), under the guidance of Mrs. Amudha Senthilkumar. A digital thermometer is a device that measures temperature or a temperature gradient.

A digital thermometer has two important elements:

(1) a temperature sensor in which some physical change occurs with temperature, and (2) some means of converting this physical change into a numerical value. Digital thermometers are widely used in industry to control and regulate processes, in the study of weather, in medicine, and in scientific research. The temperature output was made to display the temperature in degrees Celsius.

Heartbeat Sensor:

Submitted by Nikhil Ahuja (D14A), Manali Jambavalikar(D6B), Sonali Ukarde (D8), Sayli Jadhav (D6A) ,under the guidance of Mrs. Amudha Senthilkumar. The heartbeat sensor is based on the principle of photo phelthysmography (PPG) which is non-invasive method of measuring the variation in blood volume in tissue using a light source and detector. While the heart is beating, it is actually pumping blood throughout the body, and that makes the blood volume inside the finger artery to change too.

Data logger:

Submitted by Nikhil Ahuja (D14A), Manali Jambavalikar (D6B), Dinesh Sonawane (D8), Hitesh Meriya (D8), Sonali Ukarde (D8), Sayli Jadhav (D6A), Ranjeetkumar Yadav (D9B), under the guidance of Mrs.Amudha Senthilkumar. A data logger (also known as data recorder) is an electronic device that records data over time or in relation to location either with a built in instruments or sensors or via external instruments and sensors. Increasingly, but not entirely, they are based on a digital processor (or computer). They generally are small, battery powered, portable, and equipped with a microprocessor, internal memory for data storage, and sensors.

Summer School Program

-by Yash P. Bhanushali

Nidhi R. Mishra

Skill Development being a crucial part in any individuals over all development, Department of Information Technology along with the Departments of Computer Engineering and MCA organized a Summer School Program for students from second, third, final year. Students in large number attended this program .

Workshop: Internet of Things using Arduino:

Departments of Computer, IT and MCA of VESIT organized six days workshop on “Internet of Things using Arduino from 3rd July to 8th July, 2017 in collaboration with EDC-IIT Roorkee. The objective of this Program is how to create Internet of Things using Arduino.

All the six days session was taken by Mr.Bipul Kumar, Sr.Research Engineer, Finland Labs. He was an excellent trainer who helped the participants to understand how to create Internet of Things using Arduino. On first day of the session Mr.Bipul taught how to install Arduino software in the device and also how to code inside Arduino, followed by second day, participants learned to work on some AT commands of Wi-Fi and to connect Wi-Fi module with PC and to mobile phones.

On the third and fourth day participants learned how to connect BT in Arduino and pair it and also created an Application Using MIT-APP inventor. Students designed their app and performed an android experiment.

On the fifth day students wrote a program on Notepad ++ and created a web page with help of JavaScript in which 3 toggle buttons were made for 3 different LED’S and send commands from browser to Arduino with Wi-Fi(ESP)Module. On last day a small competition among all the members of workshop was held to understand the topic grasped by the participants.



IoT Team with Computer Engineering Students, Speaker, Course Convenor and Co-ordinates

The ‘VESIT CONNECT’ Team

VESIT Voice

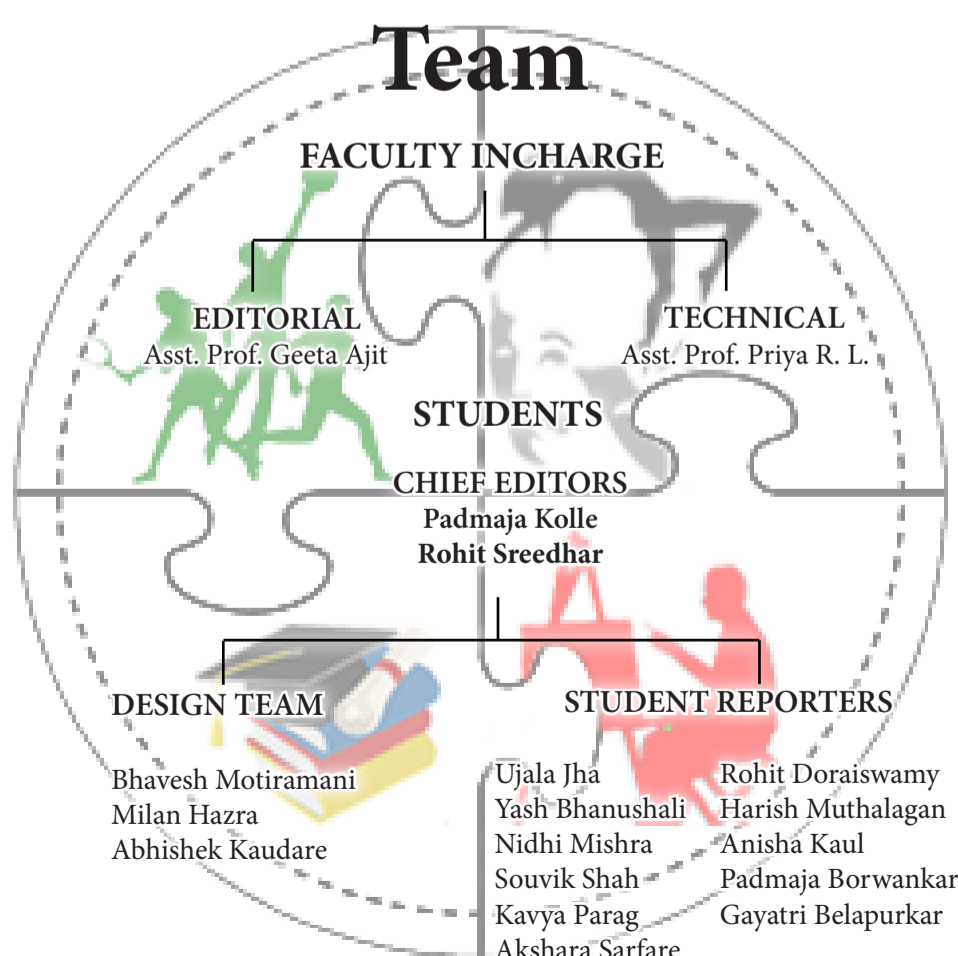
-by Padmaja Kolle

With the commencement of a new semester, the month of July is filled with loads of fun-filled activities along with anxiety driving beginning of placements for the final year students. While the BEs have had their hands pretty full, the SEs and TEs have not missed a single chance in making the most of moments!

SoRT had it’s first event this month, which is the annual blood donation and it met with great participation with teachers and students alike, even during the heavy rains! VESIT Renaissance Cell achieved a major feat with 111 students gaining internships through it! VESIT council formation was done successfully and students welcomed their new council members.

As for the final year students, the placements dawned upon them with the first recruiter, Morgan Stanley. Surprisingly, this year students above 8 grade point were qualified for giving the aptitude test. Battling all the rounds, Rahul Shetty managed to get through and is the only student from VESIT to get the position. Apart from this, the long awaited Code For Good event organized by JP Morgan for recruitment, took place this month. Out of the 20 participants, 13 students were offered the position of Technology Analyst. We bring to you the insider on these processes through two student interviews.

This month’s VESIT Diaries brings to you Mr. Avinash Ghalke, a VESIT alumnus belonging to the Batch of 2001 from the Department of Computer Engineering who is currently serving as an executive teaching faculty of finance to MBA students. His journey will surely be inspiring to you readers.



COUNCILS



The SoRT Team

Making A Difference

-by Anisha Kaul

Blood Transfusions save millions of lives every year all over the world. Blood is also used in massive amounts in surgeries like Liver transplant, Leukemia cure and even during excessive blood loss in automobile accidents. Yet enough blood isn't available in blood banks and patients who could've been saved easily suffer unnecessarily. V.E.S.I.T tried to improve this situation by organizing a Blood Donation Camp in our college on the 22nd of July, 2017. The event was organized by the college SoRT Council collaborating with a helpful team of doctors and nurses from J.J Hospital, Mumbai. The heavy rains on Friday night couldn't dampen the spirits of the council who worked tirelessly from 10 to 4 to make the process of donating blood easy and pleasant. In fact, many of the volunteers themselves decided to donate blood. It was because of these efforts that the Boys Common Room was swamped with people waiting to fill out forms to donate blood. All the people who donated blood were checked for their Haemoglobin levels and could also avail additional facilities like an eye check-up and a Body Mass Index (BMI) check for free. With volunteers divided in different sections the entire process was very streamlined and without any major hiccups. About the whole experience, first time donor, Akash Narang of D7A said "I was really nervous going in but the whole experience was worth the feeling one gets after donating blood. It feels like you did your bit!". All the students were even provided with certificates, as a token of appreciation.



Blood Donation Camp

The event was a big hit as a whopping 130 students participated in the event and a sum total of 61,101 ml of blood was added to the blood bank of J.J Hospital.

V.E.S.I.T actually did manage to Make a Difference!



VESLit Circle

-by Anisha Kaul

Communication is the heart of every organization. Reading, writing, speaking and listening skills play an integral role in personality development. To participate in discussions or to be able to perform well in the industry one needs to have good communication skills. With a vision to inculcate all these skills in the students of VESIT, the VESLIT Circle was introduced.

Now in its third year, it welcomed 13 new Second Year recruits to its original team. The process started in the first week of college itself. The students were selected after a rigorous interview process conducted by Mrs. Pooja Kundu and Dr. Sushil Dhuldhare. The council, now has a strength of 18 students, and is headed by Mrs. Geeta Ajit. Yash Bhanushali, from D13, has been elected as the Student Head. Smruti Kshirsagar (D7A) is the Deputy Student Head for the junior Council. Talking about his new post, Yash shared that he was very excited about his new role in the council and he was happy with new council who shared his enthusiasm to lead the council to new heights. As, they begin work for the academic year 2017-18, we wish them good luck for all their further endeavors!

Faculty in-charge: Mrs. Geeta Ajit, Mrs. Pooja Kundu and Dr. Sushil Dhuldhare

Student Head: Yash Bhanushali (D13)

Senior Council: Nidhi Mishra (D15), Rahul Panicker (D13), Pradyumna (MCA-I)

Junior Council: Smruti Kshirsagar – DSI (D7A), Himanshu Jahagirdar (D6A), Anisha Kaul, Ketaki Buwa (D7A), Sanket Gokhale, Pranjali Temburnikar (D7B), Anahita Goswami, Harish Muthalagan, Meghana Achanta, Prerna Pandey, Sanchit Agarwala, Shivani Gole (D9A), Bhavesh Sharma (D8).



VESLit Council

PLACEMENTS

Morgan Stanley Campus Placements, 2017

-by *Rahul Shetty*

Hello to all readers, I am Rahul Shetty from fourth year IT. I got placed in Morgan Stanley this year. To all my friends who will be appearing for Morgan Stanley interviews in coming years, I just want to tell you that getting into a company like Morgan Stanley is not that difficult as it seems.

Pre-placement Talk:

The first interaction of Morgan Stanley with VESIT students was held on 18th July 2017 in the auditorium. In this pre-placement session, Morgan Stanley executives told us about what the company does, placement procedure, salary structure and the positions they offer.

Aptitude Test:

On 19th of July, they conducted an online aptitude test on the Hackerrank website. Around 150 students from our college gave the test. Eligibility for the first round was based on the average pointer of first 5 semesters. The 90 minutes test consisted of 15 (7 quants and verbal, 8 technical questions) MCQs and two coding problems. Level of coding problems was moderate. If you practice competitive coding for 2-3 months, you have a chance to crack the problems. Results of the first round were declared on the next day, 7 students (5 from I.T, 1 from Computer Engineering, 1 from EXTC) from our college were called for onsite interview on 22th of July.

Onsite Interview:

We were informed to reach Morgan Stanley office, Goregoan sharp at 8.00 am. There were 25 students selected for an onsite interview coming from different colleges in Mumbai.

Recruiters were very humble and down-to-earth. We were asked to have breakfast in the morning when we reached their office.

Round 1 (Technical Interview):

The first round started around 10.00 AM. All the candidates were sitting in one cabin. Every time, two interviewers came to the cabin, and they used to take one candidate with them for the interview.

My turn came around 11.30 am. My interview started with Java questions followed by algorithms. They also asked questions on DBMS and Operating Systems. (<http://www.geeksforgeeks.org/morgan-stanley-interview-experience-set-32-on-campus/>).

Here are some tips from my side for the technical interview

- Answers the questions confidently, confidence is the key to crack any interview.
- If you don't know the answers, don't stay quiet. Talk something relevant to the question.
- In the end, they will ask you whether you want to ask any questions to them. Do ask them one! This shows that you truly want to get placed in this company.

By 1.00 P.M, all the candidates finished their first round. We were offered lunch. They also gave us goodies in the afternoon. Results of the first round were announced after the lunch. Out of 25, they selected 10 candidates for the next round.

Round 2 (Group activity):

This was a group activity round. All the 10 candidates together needed to build any product and impress the investors. We were given Lego blocks (for building model), sketch pens and chart papers (for presentation).

We decided to build a Solar House Panel. We divided into two teams of five. Five members worked on building the model, other five worked on making the presentation. We were supposed to build the model in 30 minutes. After 30 minutes, we gave a presentation which included features, cost, power requirements, etc.

Round 3 (System Design):

This was System Design round which started around 5 pm in the evening. Two interviewers gave design problems and candidates were expected to make database structure, class diagram and data flow model for the given problem. It lasted for around 1 hour. It was the toughest round compared to other rounds. Interviewers were specifying constraints whenever I was stuck somewhere.

Round 4 (HR round):

Last round started at 6.00 pm. Interviewer in this round asked general questions like

- Why Morgan Stanley?
- How was your experience working in groups?
- Asked me about my internships and projects.
- Who is your idol?

Results were declared at 7.30 P.M and two candidates were selected out of ten. I was one of them. It was a wonderful experience for me.

For all my friends appearing for Morgan Stanley next year, it's not very difficult to get placed in Morgan Stanley. You just need to work sincerely as per your plan. For that, you need to have one plan!

JP Morgan Chase & Co. : Code For Good, 2017

-by Padmaja Kollé

Here are my two cents regarding JP Morgan Chase's Code For Good. Of course, I'm no expert to guide you, but this article is a take on what I took back from the experience.

The first encounter of final year students with JP Morgan Chase was when their executives came to our college for an introductory session on Code for Good, 2017. We were told that the 24 hour hackathon, which is conducted every year in various parts of the world, is a pro bono effort in minimizing the hardships of NGOs by providing solutions to their defined problem statements.

The process takes place in three stages:

1. Resume submission:

You will need to submit a copy of your resume along with a form on the company's website to apply for CFG. A GitHub account is required as you will be collaborating code on it for the event.

Your resume presentation will matter a lot for your selection to the second round. Make sure you portray the right skills keeping in mind that you have to develop a web application or an Android application (You can create a desktop application as well, if it suits your problem statement). Making it clear, just HTML and CSS will not get you into next round. If possible, learn a few new skills, practice by making applications using those, and mention it in your resume. Another thing that matters is how you write your resume. Make sure you highlight (not literally) your strengths. Your internships, projects and achievements will prove to be most useful here.

2. Telephonic Interview:

Around 60 students from our college got selected for this round. An intimation email along with time slot will be given to each student, and a telephonic interview will be conducted two or three days after you've received the mail. The questions range from technical (Concepts of Java, DBMS, Operating System, Data Structures and Algorithms, etc.) to non- technical (General HR questions).

Here, your presence of mind is tested. Start preparing for this as soon as you apply for the resume, may it be selected or not, as you'll be informed about this only 2 - 3 days prior. Revise your database and OOPS concepts thoroughly. Study your resume thoroughly. Don't neglect the HR questions. Revise all your projects in detail and highlight your part in it while answering. If you have done any internships, find a way to make your contribution quantifiable. Make sure you stick to the answers you've given and not let your opinion shake throughout the interview. I was lucky enough to only face HR questions and project related questions.

3. Hackathon:

Twenty students from all over VESIT (Computers, IT and MCA) were selected for the final stage of coding. A basic gist of the event is:

- It's a 24 hour hackathon where there will be up to 3 non-profits and 150 participants from colleges all over Mumbai.
- The 150 participants will be divided into teams of 6 with each member having a different set of skills (based on your resume)
- Each team will be assigned 3 mentors – each for a duration of about 8 - 9 hours who will evaluate your skills (both technical and soft skills). There will also be Subject Matter Experts (SMEs) for certain frameworks and technologies to help you throughout.
- Initially, a representative of each non-profit will present their problem statement and your team will have to submit your preferred problem statement to work on. This is purely based on first come first serve policy.
- You along with your team will have to work on a solution to the problem statement you've got, and prepare a presentation and working demo of all the functionalities you've implemented within those 24 hours.
- Six teams out of the 25 will go to the finals, out of which the judges will select two runner ups and one winner.

There is a time period of approximately a month from your telephonic interview till the hackathon. Try learning new technologies so as to improve your functionalities. Seminars for certain new technologies will be conducted by JPMC before the event. You will be sent an email regarding the topics, make sure you learn them beforehand. GitHub is another platform you should be familiar with before the event, try to launch mini projects on it from the beginning and work on it as a team to understand collaboration and version control. You will also be given names of the participating NGOs. Go through their website as well as other non-profits' website, and try to think of potential problem statements and prepare a list of possible solutions to those. Practice these solutions so that it will be easier for you to implement it, if required.

A GitHub repository of your team will be made 1 day prior to the event. If you're creating a new account for CFG, try to keep your name as your GitHub username as it will be easier for your team mates to find you through your team repository. Try to contact your team mates as soon as you can (through LinkedIn, Facebook, etc.) and get to know their strengths. Discussing strategies beforehand will prove to be a great asset and will save a lot of time at the event.

I know, 24 hours sounds a lot, but trust me, it isn't! You will have to, first, select an NGO to go with as soon as possible. Next, design your solution (Spend enough time on this, dissolve loopholes in your solution and then start coding). Divide your work; the best approach would be two people working on one part of the solution at a time (That's what my team did). I cannot stress enough on this, try to implement as much functionality as possible, even if your UI lacks aesthetic.

You will also need to prepare a presentation within the 24 hours, decide on who will give the demo, decide on who will give the presentation, and practice giving it. For us, the clock started at 11 am on 29 July, so we had to submit the project along with the presentation at sharp 11 am on 30 July. 24 hours non-stop coding can be stressful, but the Subject Matter Experts and mentors make it a lot easier! Don't hesitate to take their help if you're stuck on something. Also, the food there is amazing! Especially, afternoon chai with snacks and midnight treats! ☺ It is a great opportunity for you to network and get to know professionals! Your soft skills will also be judged, so genuinely take effort in knowing what the company is offering you and what you need to give back. Cherish this experience, you'll crave for more once it's over!

There will further be 3 rounds at the hackathon. First, there will be a technical round, in which judges will see your code and database. All technical questions

will be limited to this round. No elimination is done in this round. In the second round, teams will be assembled in different presentation rooms for each NGO and the members have to present in front of the 6 – 7 teams in that room, along with the judges.

You will only be given 5 minutes for your presentation. You will need maximum 2 – 3 slides mentioning the features of your project. Don't waste time repeating the problem statement during the presentation. Spend only 30 seconds on the slides and the rest 4.5 minutes on the demo; that counts the most. Cover all the features in the demo. You won't be given a single second after 5 minutes are over, so present everything to the point. After 5 minutes of presentation, 3 minutes will be given for a question- answer session. Judging panel will consist of the NGO representatives and a few senior executives from JPMC. Answer as many questions as possible, to the point.

After this round out of the 25 teams, two teams from each NGO will be shortlisted for the final round where the teams have to give the same presentation in front of all the teams, mentors, SMEs and judges. The finalists will have to present in the same format mentioned above. After this presentation, two runner ups and one winner are selected.

Winning doesn't guarantee you a job. Getting a job is based solely on the technical skills you portray, the networking you do and how you work in a team. The entire process spanned about 6 months, and is the longest process for recruitment that I know of. Out of the 20 students, 13 got placed; one of them being me. But trust me, you're lucky if you get through! Even if you don't, you'll have a great time and you will have helped the society through technology!

MUSINGS AND EXPRESSIONS

The Dawn of Justice

-by Rohit Sreedhar

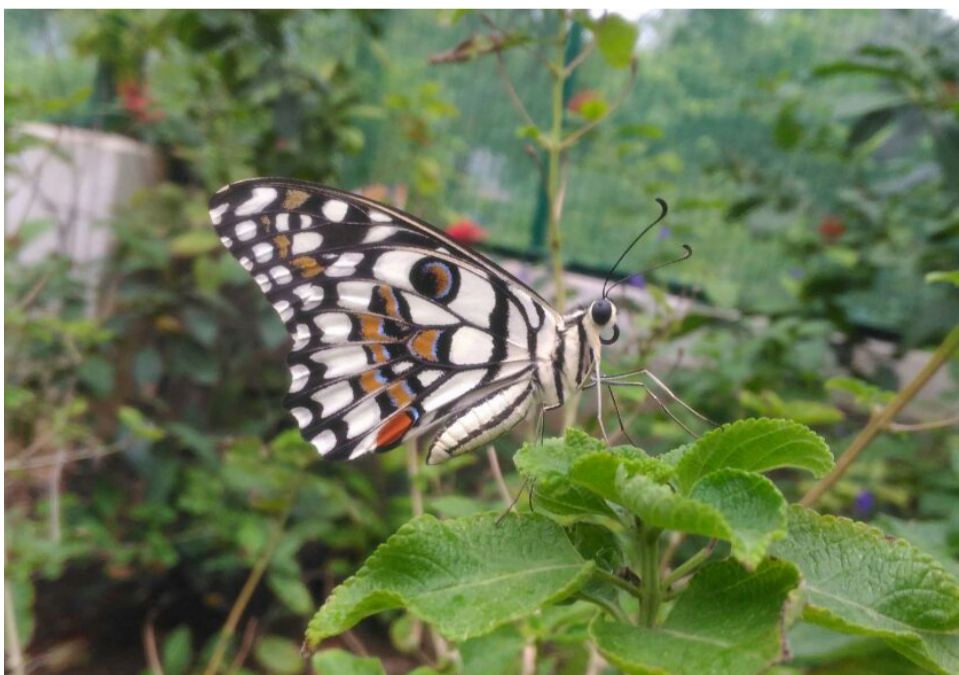
*The bus she boarded failed to reach her to her destination ,
Her chirpy blooms trickled into drops of fear and her eyes stoned ,void of every tear.
A film she watched, an evening she cherished,
Little did she know that the night would be bloody and blemished.*

*The freezing cold uncovered its blankets of shame as the demons charred her dignity with the mightiest flame.
She moaned, she cried, she screamed as the threads of her fabric tore,
For those thousand questions, an unanswered brunt she bore.*

*In the deepest of slumbers Delhi perhaps slept,
In the name of rape, yet another soul wept.
Bruised, hurt, ripped she lay drenched in the blood of her fears,
Holding on to the palest of breaths she clung on to yet another morning ,calling out to many deaf ears.*

*She refused to give up and see her castle of dreams shatter,
From candles to posters she nestled in every bit of news and chatter.
It was only her mortals that succumbed, she yet lives in the grit of every woman .
Christened after bravery she was here to tell that it's time we stood up against the brutal human.*

*She was here to tell that you cannot get away with whatever you do,
And the juvenile curtains will not always hide you.
Hearings and trials seemed to seek their way to infinity,
And hopes away from the doors of truth.
But the balance finally leveled and the nooses prepared to tighten,
As four necks would strangle, she'd finally get off at the gates of heaven.*



- Mihir Joshi (D17 A)



- Mihir Joshi (D17 A)

A photograph of three lionesses resting in a savanna landscape. One lioness is lying down on the left, while two others are sitting up on the right, looking towards the left. They are positioned under the shade of a large tree. The ground is dry and dusty, with some sparse vegetation and fallen branches in the foreground.

For me journey at VESIT was interesting as I jumped into Computer Engineering without any prior knowledge of such technology. I applied for the course and as I had secured the 62nd ranked in Maharashtra and I got through. I started from zero level: the first semester was tough, but from the second semester I adjusted well academically. I was fairly good academically. Then I was elected the CR and continued my tenure for the next 4 years. I connected well with everyone. Every memory still remains fresh with me. Even today, I may probably be successful in recounting the roll no wise details of my classmates.



Mr. Avinash Ghalke

2. Share a glimpse of your personal life.

Post my engineering at VESIT, I was to join a company in July 2001 where I had received my campus placement. But for some reason, the joining was indefinitely postponed. Fortunately, I had done my college project at IIT Bombay, so I approached the faculty to continue and work on the same project. After around 11 months of my work there, in May 2002, I was asked to join the company where I was placed in the campus. It was then, that I realized that coding is not something which interests me, so took up MBA and I completed my post-graduation in the year 2006. I think somewhere in 2008, one fine day I started trekking a lot, here I met a person, coincidentally she was also from VESIT, 2003 EXTC batch. Our interest matched a lot, and we decided to trek together for life. She was an excellent source of support to me after that.

3. Let's talk about your professional life

So, after I switched onto finance I bagged a well-paid job in a financing firm. I also got a job at Nomura in 2013. Alongside I also did 3 years weekend farming. Then I decided to take farming as a full-time career and with my wife's support I took the risk and started my own agro-venture. The next six months was a very tough period of time. Looking back I realize that, it was the constant family support that pulled me through. So, I would say I am quite lucky in that sense. Lastly, experience always helps in hindsight even if they don't work. As of now, I realize that my love for finance can never die. Even today I am passionate about finance. Post my startup, I joined a venture in Bangalore for some time. I also started my Ph.D. in Finance after which I started teaching. At this point, if you ask me, my career and passion is to make people understand basics of finance, that's where people lose out when they start earning money. Managing money is more important than earning it and hence one should be informed enough.

4. How important, according to you, are interpersonal skills at professional level? Do academics and interpersonal skills go hand in hand?

I think interpersonal skills play a huge role in your life. Even in my case, the goodwill I had made with my friends and with others, helped me a lot later. Even though I was a CR for 4 years, I was never involved in any extracurricular activities. Hindsight, I regret that I should have done more things but I could not.

5. Is it necessary to have a full proof plan for your career from the beginning itself, is there any activities that student should do to mold their carrier?

According to me the only theory people should keep in their mind from earlier stages itself is that one should not be stuck on something, try everything if it doesn't work, after a limited period of time, and immediately come out. It's like a stock market, you buy a stock, if the stock doesn't go up, one shouldn't hold it up or I would explain this as "cut your losses". Be flexible and mold yourself to an idea of exploring everything.

6. You left a corporate job for exploring your Startup. How difficult was it to switch and was there any Peer Pressure?

Peer pressure exists and sometimes they can even cause a positive development. They make you review your plans thoroughly. I believe that before taking up any idea you should set a goal time and as quoted in a book by Rashmi Bansal, 'Entrepreneur's should be thick skinned'. Even I was being questioned when I started my venture in farming. Even though I applied my engineering aspect and skills to build my greenhouse, it failed due to lots of things but I moved on and learned a lot. That failure helped me in my skills development.

7. Any message for the new generation at VESIT?

You guys are at best place and have the best resources and guidance available. I would only request you all to be flexible in your choice and approach, don't be dogmatic about particular things. Explore everything. All the best to you all.