



shoreline<sup>2015</sup>





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shoreline







## Director's Message

It gives me great pleasure to announce the publication of Shoreline 2015, the latest edition of the college magazine. Conceptualized, designed and edited completely by the students of NITK Surathkal, the magazine has always been a perfect platform for NITKians to showcase their talents and express their views on important topics.

Printed in indelible ink, Shoreline will let students look back fondly on the sweet memories of college life, years after they have graduated.

I congratulate Team Shoreline on the successful culmination of what has been weeks of coordinated effort. This edition of the magazine builds upon the strengths of its predecessor, presents originality in both content and design, and has set an impressive benchmark for upcoming editions.

I would like to wish all the outgoing students the very best in their future endeavors, careers and lives.

Prof. Swapan Bhattacharya



I am delighted to present the second edition of Shoreline, NITK Surathkal's annual magazine. A compilation of various endeavors by members of the NITK family, the magazine serves as a medium for students to display their literary and artistic prowess.

I would like to laud the Shoreline 2015 team for eliciting an eclectic collection of articles that represents the diversity inherent to NITK; the magazine chronicles not just the achievements of current students but also those of alumni and faculty.

NITK as an institute is climbing to the top steadily every year, and this magazine is yet another testament to the quality of the people who pass through its walls. I can say with confidence that Shoreline 2015 will be a magazine that NITKians will love picking up and going through for many years to come.

It has been a great experience guiding Team Shoreline in the development of this edition right from its inception, and I would like to congratulate them on a job well done.



Prof. Udaykumar Yaragatti

## From the Dean's Desk







**Prof. Katta Venkatrama**  
Dean, Academic

**Prof. M. C. Narasimhan**  
Dean, Planning and Development



**Prof. A. Kandasamy**  
Dean, Faculty Welfare

**Prof. K. Chandrasekaran**  
Dean, Research and Consultancy



**Prof. M. B. Saidutta**  
Dean, Alumni Affairs and  
International Relations



**Prof. Narendranath S.**  
Professor-in-Charge, Hostel Affairs

**Mr. K. Ravindranath**  
Registrar



administration



# *From the Team*

Shoreline 2015 has been a prodigious project – both in terms of the effort it entailed and how much it means to every single one of us. What started with informal powwows in early August reached its crescendo in late March as several late nights of frantic yet coordinated hard work culminated in the finished version of the magazine. During this time, a few joined the team, a few left but each did their bit to make the magazine what it is today, and we are grateful to them all.

While some wrote articles of their own volition, others who had stories worth sharing had to be coaxed on numerous occasions and given multiple deadline-extensions before they finally submitted their pieces. The process of soliciting articles did feel tedious at times but all said and done, the end product is a multifaceted collection that represents the varied fields in which NITKians have left their mark – a microcosm in print that is truly representative of what being an NITKian is all about.

We would be remiss in our duty if we did not acknowledge the people who helped bring the magazine to fruition. We thank the Director, Prof. Swapan Bhattacharya for the support he extended. We owe a lot to the Dean of Students' Welfare, Prof. Udaykumar Yaragatti for his guidance in every stage of the development of the magazine. Gratitude must also be expressed to the SAS Officer, Dr. Hem Prasad Nath, and to Ms. Merlyn from the DSW office. The magazine would be a shadow of what it is today without their help.

Credits are also due to Mudrikaa Printers for rendering the magazine in fine physical form, and to Sanil Studios for their assistance during the group photo sessions.

We have poured every ounce of creativity that we possessed into Shoreline 2015, and a lot of time and effort was invested in bringing it to the final form that you now hold in your hands. We hope that the content in this magazine is pleasing to both the eye and the mind, and that everyone who reads it would recommend it to a friend.



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Detour to a Road Less Travelled  
NITK to Nepal  
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Say What You Want\*  
A Seed is Sown  
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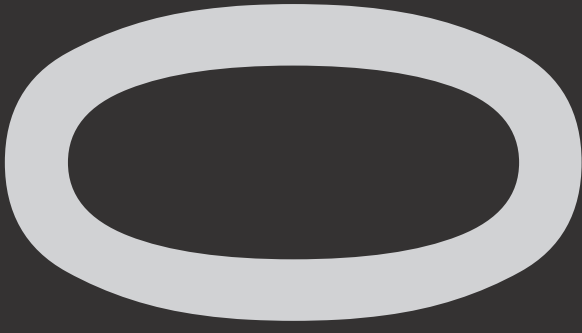


प्रशस्ति-गीत  
गाढी मि त्रता । इमाम की सियासत  
पाहि माधवपादारविन्दप्रक्षालिनि हे  
प्रश्न  
नफ़रत । खोज  
परम् तपः  
सम्मान-समर

मेरा आशियाँ । खुद को पाना बाकी है । गुज़री हुई मोहब्बत  
वक्त की सोच । द स्ट्रीटवॉकर । हाल-ए-दिल  
नीर कोशिकाएँ । अन्तःकरण की स्मृति  
निःशब्द धिक्कार  
धर्मांतरण या मजाक । मुलाकातों का सिलसिला । ज़रा सुनो तो...  
वो लम्हें । तर्क

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ಮನೆ ಸಂಸೌಕೃತಿಯೆಂದ Restaurant Culture  
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ನಮ್‌ಮ ಮಹೆಳೆಯರು

ಮೌನದ ಮಾತು

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ಕಳೆದುಹೋದ ಆ ದಿನಗಳು...

ಕಷ್ಠ-ಇಷ್ಠದ ಪೌರತೇಕ ಹೆಣ್ಣು

ನನಾನ ಹಾಡಿನ ಪಲ್‌ಲವೆ | ತನಾನೇರಭಾವೆ ಕಡಲು ತೇರ |  
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Photo Gallery  
The Pensieve  
Acknowledgements



Right from the time we gain admission into the hallowed walls of this institute, NITK becomes an indispensable fixture in the lives of our loved ones. The NITK family thus encompasses not just the residents, current and past, of Sriniwasnagar but also their extended families all over the world.

With the opening piece in the English section of Shoreline 2015, we celebrate one such member of the NITK family who made us proud with his exploits on the international sporting stage – Indian cricketer, KL Rahul. Through an exclusive interview with his father, Prof. KN Lokesh, we see a first-hand account of the efforts that a family put in to allow a youngster from Mangalore to one day realize his dream of winning his first Test Cap for India.

This theme of the extended NITK family also plays into our other interviews. Alumnus Shashank ND, the CEO of one of India's hottest startups Practo, extols the qualities that NITK imbibes in its students in a forthright conversation about startups and the software industry, that is sure to induce potent nostalgia in all who read it. The Chairperson of the NITK Board of Governors, Ms. Vanitha Narayanan, promulgates her vision for NITK as an institute and highlights the need for equal opportunities at the workplace. French exchange student, Ronan Le Gall, speaks about how his semester-long adventure at NITK left him with memories like no other.

NITK is first and foremost a top-quality technological institute, and Shoreline 2015 offers to serve as a compendium that captures some of the interesting research and technical achievements of its members. Dr. Basavaraj Talawar, in his primer on Computational Neuroscience, speaks at length about the scope of this burgeoning field. An article on Dr. Rajesh Acharya from the HSSM Department informs us on the important role of trading in keeping the cogs of the world's economies well-oiled. Founders of a new student startup, SchoolEngg, reflect on their journey so far and chart out the path ahead as they look to make their venture grow upon graduation. Alumnus Chandramouli Sharma elucidates how his varied research projects as a student helped him take a scientific approach to educating kids as a Teach for India fellow. Current students also share their experiences with the NITK-CMU Winter School and the marquee event of the annual technical fest, Engineer – Technites.

Speaking of Engineer, we feature a piece in which two first years recount their novel experience with the revamped 2014 edition of the premier technical fest of South India. An insider account of what went into the making of the college's cultural fest, Incident 2015, also makes for fascinating reading. A tongue-in-cheek Awards page provides NITKians an opportunity to look back on some of the funny moments from the last year.

NITK is home to an eclectic bunch of students who relentlessly pursue varied passions. In his article, Music Club Joint Convener, Abhishek R, speaks about the deep bond that he has forged with other members of the club during his four years at NITK. Avid explorer and traveller, Rahul Das recounts the amazing experience of backpacking through Nepal on a shoestring budget with his friends, while Veekshith KH talks about what life is like for day scholars at NITK. Saharsh Samir raises the question of how far one can take the freedom of speech without fear of repercussion, while Kevin D'Souza tries to answer the question of what it is that makes photography an art. Other students display their literary prowess with beautiful contributions in fictional-prose and poetry.

We hope you find the English section of Shoreline 2015 a top-quality collection, and enjoy reading it as much as we enjoyed putting it all together.







Dr. KN Lokesh is a Professor in the Civil Engineering Department at NITK. His son, KL Rahul is a member of the Indian National Test Cricket Team and a prolific run-scorer for Karnataka. In this interview, conducted by Manish Kumar, Final Year, Civil Engineering and Dakshesh Thacker, III Year, Electrical and Electronics Engineering, Prof. Lokesh offers us touching insights into how family helped mould a precocious talent into a class cricketer.



# THE REFLECTIONS OF A PROUD FATHER

**Could you tell us what cricket was like in your college days and share some childhood memories associated with the sport?**

I played cricket for quite a good length of time. I started playing in school from when I was in class 9 and continued till I finished my post-graduation. I was the captain of my PU, degree and post-graduate college teams. I played a lot of inter-collegiate cricket. It was quite competitive at that time in Bangalore. I received the best batsman award in the inter-collegiate competition, and was also in the reserves for the Bangalore University team. I also played for a club in Bangalore called Chamrajpet Cricket Club. In subsequent years, I played for Central College's team in both league and inter-college matches.

**Did you also watch a lot of cricket?**

In those days, we didn't have TVs but I would listen to commentary without fail. I used to go to the stadium to watch matches. I was a big fan of Sunil Gavaskar and GR Vishwanath. Mohinder Amarnath and Kapil Dev, the dynamic captain were also quite popular amongst the youngsters. I was very enthusiastic about cricket and would travel miles to both watch and play matches. But once I finished my post-graduation and got into research, my priorities changed. I devoted most of my time to my research. At the same time, I had to leave Bangalore for a job at Gulbarga University.

**With the immense popularity of the Indian Premier League today, do you think there has been an unnecessary shift towards the commercialization of cricket?**

There is a shift, but I wouldn't call it unnecessary. It has helped a lot of young cricketers to come up and improve their game. A lot of people are attracted towards cricket because of the IPL and cricket itself has grown immensely. Change is always good.

**Coming to your son, KL Rahul, a classical batsman who has consistently been doing well on the domestic circuit. He was also bought by Sunrisers Hyderabad for a hefty sum prior to last year's IPL. How do you think playing in the IPL has benefitted someone of his style?**

These days, modern day cricketers have to adopt themselves to different formats. Every good cricketer has to change his game according to the format. IPL has given Rahul a lot of exposure; playing with international cricketers has given him a lot of confidence. And of course, IPL helps financially.

**What are your thoughts on the constant media attention on Indian players today?**

I think its okay as long as journalists report facts. With my son specifically, I think media coverage right from his early days has helped him come up in the eyes of the people.

**Could you tell us something about the early days of Rahul as a cricketer? What motivated your deci-**

**sion to let him shift to Bangalore?**

The first time he represented India in the Under-19 World Cup was at the age of 17. He was then a First PUC student at St. Aloysius, Mangalore. He also played in the Ranji Trophy in that year, and the coaches and selectors felt that Bangalore would provide better infrastructure, be it in terms of gyms or practice pitches. So we decided to send him there as it would aid his studies, too.

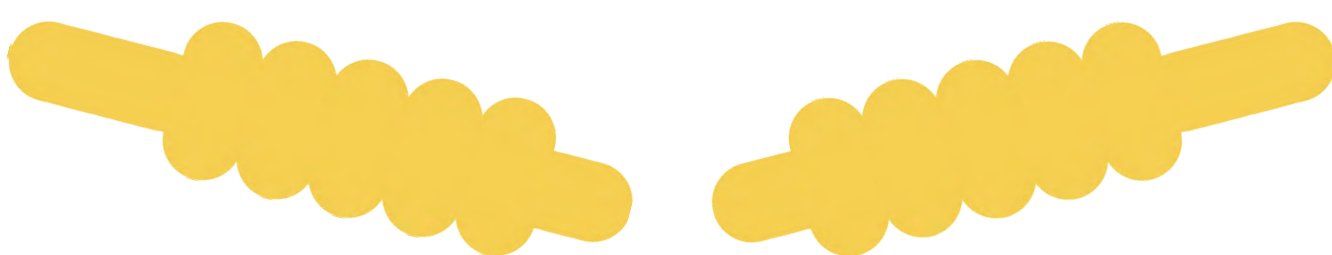
**Did you have him focus on his studies as well or were you happy with him playing cricket all the time?**

I always asked him to maintain a balance between sports and academics, which he did do to a reasonable extent. There were times when he found it difficult but despite missing exams, he completed his degree.

**Did you ever want him to do engineering?**

Yes, I actually wanted him to do engineering as he was a bright student in school. He constantly scored around 90% and was one of the toppers. So naturally, I wanted him to take up science and engineering. Back in tenth grade, he was the captain of the U15 Karnataka state team. He was in fact at the National Cricket Academy, Hyderabad during his board exam results. He rang me and said that he had scored a 90% but he did not want to take up science. Maybe he was advised by his friends to take up commerce as science would be harder to manage along with





cricket. I did not want to pressurize him, so I agreed. But I told him that if he wanted to play cricket, he had to carry on with studies. And he did so. He scored well in PUC too.

**Rahul recently represented India. Although he performed poorly on his Test debut, he subsequently bounced back with a 110! How did you feel about that?**

I was naturally disappointed when he failed. We expected him to do reasonably well, if not extremely well, on his debut. But that did not happen; maybe because of nervousness. The match scenario might have taken a toll on his concentration levels. He had to wait for 4 hours for his turn. At that moment, he probably wanted to increase the run-rate, so he played a shot that he wouldn't have usually. He was also upset with his performance. Later on, he realised that he should have played his normal game and he did so in the next match. We were all relieved after that.

**Sir, which of your son's innings is your favourite? Have you seen him play live at the stadium?**

I think the Duleep Trophy where he scored back to back hundreds is my fa-

avourite. When he was less than 15 years old, I used to take him to the field and watch matches. He did not know where the grounds in Bangalore were. He was young and new to Bangalore. Later on, he could manage on his own and I started watching TV telecasts. However, I did watch a Ranji match between Karnataka and Orissa in Bangalore. I usually try to avoid going to the stadium to avoid putting unnecessary pressure on him. But I've seen one IPL game too – RCB versus Kings XI Punjab.

**Now, about your son's future career. Do you see him playing Test cricket exclusively, or all the 3 formats with maybe a few spells in county cricket?**

He wants to play in all the three formats and he says he can adapt and change to different conditions and bat accordingly. I don't think county cricket is required nowadays. We have better facilities here in India. It may only be needed for practice before English tours.

**What are the differences that you have seen in the last 20-25 years in terms of facilities?**

A lot of differences – facilities have improved by leaps and bounds. These

days, there are international standard facilities available in Bangalore, like bowling machines, turf wickets etc. All of this was not available when we were playing.

**Sir, let's speak a little about NITK. You were once the Dean of Student's Welfare. So from your perspective, what can our college do to promote cricket and perhaps produce an Anil Kumble (RUCE, Bangalore) or Javagal Srinath (SJCE, Mysore)?**

Due to the academic pressure here, many students don't take up cricket. When I joined this institution as an Asst. Professor in 1987, I used to play with the students! We used to be play in an inter-collegiate tournament meant for the staff which is called the Karavali Tournament now. There was in fact a staff team which practised together and played matches regularly. But nowadays, I don't see that kind of enthusiasm among the staff, or the students.

I think the facilities are important. The sports complex idea was mooted when I was the Dean, and Rs. 23 crores were sanctioned in 2009. It is coming to fruition only now. At one point of time, the Board of Governors was reluctant to give so

much money to sports related activities. I pleaded, saying that NITK students were Inter-NIT champions for 3 consecutive years, and that they needed these facilities. Thankfully, they agreed. Apart from that, when I was Dean, some senior officials from KSCA (Karnataka State Cricket Association) wanted to convert our ground into a turf ground at their cost – we only had to give our permission. In return they wanted to have a few national level practice camps just like those at NCA (National Cricket Academy), or for U-19 or Ranji teams. That would have helped a lot, but we could not capitalize on the opportunity.

**Are there other professors who are cricket enthusiasts in the campus?**

Yes, Professor Vijay Desai from the Mechanical Engineering department. But I am not sure whether he plays now.

**Coming back to Rahul, could you share a few early incidents that made you realize that he had a penchant for cricket?**

At the age of 3 or 4, he started to play continuously with a plastic bat and a ball. He was always drawn towards the game. It may have been because I used to watch a lot of cricket on the TV. He would also sit with me and watch. A couple of years later, he started to play with a tennis ball. In the evenings, I used to play with him on short pitches. At the age of 9, he could spin the tennis ball like Shane Warne! I had played a lot of cricket by that time, but I still couldn't spin the ball like him. At that time, I thought he would become a bowler, but then gradually he gravitated towards batting.

**What do you think made Rahul decide to become an opening**

**batsman?**

When he started playing in Mangalore, at the age of 11, he was asked to play U-13 in the zonal league. They took him and made him the opening batsman because he was the best of the available lot. In the first year, he went to Bangalore and played against the other zones. He opened but got out without scoring in the first match. In the second, he scored some 40. And then in the next match, he scored a century. He scored 400 odd runs and they selected him for the state team. But the following year, a tweak in the rules reduced the number of available knockout slots and to improve his chances of selection, I sent him to Bangalore instead. In the very first match, he scored a double century. The next match, he scored another century. I watched that match with a lot of people, including Brijesh Patel. In fact, Dravid who was jogging there at the time also saw the innings. A junior player scoring so many runs made everybody stand up and say that he has got real talent. The next year, they made him the captain of the team.



**Who did he idolize in those days?**

I used to watch TV with him and I would say “See that, Tendulkar and Dravid. These are the people who play good cricket – proper cricket.” That probably had an impression

on him. He used to like both of them. Later on when he went to Bangalore, Dravid used to come and give him some guidance during hits in the nets. I think that he also recognized his talent at a very young age. He used to enquire about him and his progress. And whenever we used to meet him, he used to give some advice, which Rahul used to take very seriously. Other than that, there was a coach in the Ranji Trophy team, Sanath Kumar. He was really good and had a big influence on Rahul's game.

**How did you feel when he represented India in Under-19s?**

We thought that the Under-19 team could be like a fast track into the senior national team. But unfortunately his team did not do well. This was 2010, two years after Kohli. He did well in the first few matches, but lost interest when he realized they would not qualify. But the next year, the team became champions and the players who played that final were instantly recognized. Rahul eventually made the senior team when he was 22 which is still pretty early. I don't think there is any particular ill feeling for having missed out after his Under-19 stint. He continued to focus on Ranji after that.

**There is so much domestic cricket these days that a lot of players burn out at a young age. A lot of good Ranji players never get to play for India. What is your personal take on the structure of domestic cricket in India?**

The structure is all right. Many people miss out and don't get opportunities, but those who are really talented will get them eventually. There was an Under-19 tour the year before the World Cup to Australia. Rahul was selected but a couple of days before the departure, they

told him “You are not going for it”. It was heartbreaking for him as well as me. In fact at that point, I thought I should ask him to stop playing. I was in Bangkok at the time. It was very clear that there was something fishy about it but he took it very sportingly. It actually made him work harder and after that tour, when the Under-19 World Cup squad was announced, Rahul once again replaced the person who had replaced him for the Australia tour. Such things do happen. I’m not saying everything is transparent. But largely, I feel that it is okay.

**From all that we have discussed with you, it is very clear that you know a lot about your son, and it shows that you’ve invested a lot of time in your son’s career right from a young age. What would you like to tell people in general about investing your time in your child’s future, as it’s not an easy thing to do?**

I wouldn’t advise everybody to do it as it is quite a risky proposition. In the back of my mind, I always had questions like “If he doesn’t succeed, what will happen?” Doubts were always there. After all, it’s a question of his future, his career. So, you have to evaluate your child’s performance at different stages and take it as it comes. At school level, sports were a part of the curriculum. So I let him play cricket as a hobby. Once he showed some promise, I said “Okay, you play for some more time.” It was only because he clearly had

the talent and was consistently performing well that we encouraged him to continue. Otherwise, we would have asked him to stop.

Right from the start, we had told him that he should balance both academics and sports. We gave him examples of many people who had managed to do so. My wife and I had decided that as he was showing a lot of interest, we would let him play but in case he was not successful, we had to be in a position where we would not regret it. We had to encourage him, but if he didn’t achieve his goals, we should have alternatives instead of feeling bad.

We faced a lot of pressure from family, society and others but Rahul was steadfast about his decision. He used to say “I have taken this up and I want to achieve this. This is my goal and this is all I will do. Let the others become whatever they want.”

**Have friends and relatives provided any sort of support in shaping your son’s career?**

Nobody takes responsibility other than the parents. Only after he became a famous player, various clubs and boards come forward. It is only the parents who have to take the risk and invest their time and money. However, KSCA and BCCI have helped by giving him opportunities. They have fully supported him and given him whatever he was due. Other than that, it is completely the parents’ risk. Nobody comes to the rescue.

**And finally, would you like to give any advice to parents nowadays, who are focused on the stereotypical professions like engineering or medicine, about parenting and how to groom your child?**

I don’t want to give any advice. Many people have asked me this. In fact, a doctor from Bellary had called me. She said she wanted to make her son a cricket player and asked me for advice. I told her that many had asked me this question and that frankly, it is a very tough road and not everybody can take that risk. It requires a lot of patience. One cannot simply say “I’ll make my son a cricket player!” They have to evaluate their child’s performance at different stages and take decisions. I would urge parents not to push their children to cricket as I’ve seen many students getting diverted from studies, getting into sports and not being successful in either sphere. Trust in your child’s ability but also be sensible and realistic.

**Thank you Professor for making time for us.**







# ENGINEER

2014





**T**hink. Create. Engineer. These words bring back nice memories, don't they? Engineer, the annual techno-management fest of our college was held from 16th to 19th October 2014. And this time, it was bigger and better, as is evident from the Engineer Facebook page, whose likes shot up from 73k to about 2 lakh in just a year.

Engineer 2014 was inaugurated on the evening of 15th October 2014, with the auspicious lighting of the lamp and the Gayatri Mantra. Arjuna Award winner Vandana Rao was the chief guest for the evening. The NITK Dance Crew set the stage on fire with their stunning performances, including a beautiful rendition of the Mahabharat, complete with glow-in-the-dark costumes and a shadow play which gave an accurate, humorous summary of the life of a typical NITKian in just a few minutes.

An assortment of workshops was conducted during the fest, which saw participation from students in large numbers from many colleges across the country. These included Ethical Hacking, Android App Development, 3D photography, Bridge Design, Augmented Reality, RC Aircraft, Humanoid Robot and Computational Fluid Dynamics.

EngiTalks was a new concept introduced this Engineer. We had nine great personalities, from different walks of life, come to NITK and talk about their interesting experiences. Dr. Jackie O'Niell from Microsoft Research India; Mannar Koil Bala-ji, founder of Youth Association for Classical Music; Sanjeev Baitmangalkar, a leading manufacturer; Mr. A S Karanth, an alumnus of NITK; Sijo Kuruvilla, founding CEO of startup Village; Dr. GSD Babu, an eminent astronomer; P Madhavan, executive director of Goa Center for Alternate Photography; Ganesh Shankar, an entrepreneur; and Vishal Gundal, founder of India Games were

invited to talk to the students.

The Computer Science committee came up with a variety of events for all the comps geeks out there. Marathon was an event quizzing the participants on the current trends and technologies. Rectify tested the participants on their debugging and tracing skills. Synthesence, conducted on day 3 and day 4, was an event in collaboration with the company GOQii. Participants were required to analyze the data collected from wearable wristbands that monitor the users' physical activity and come up with innovative ideas to improve the app.

The Chemical committee conducted a multitude of events which tested the participants' knowledge of chemistry and their problem solving skills. Chemical Breakdown, the Portal, the Contraption and Chemical IDP were some of the events conducted.

Starry nights was an event conducted on the terrace of the main building, in which group of astronomy enthusiasts described the night sky and narrated mythological stories about constellations. The Astro committee had also prepared models of Chandrayaan and Mangalyaan, a proximity sensor, and a simulator. Star Wars was a quiz which tested the contestants' knowledge about astronomy and astrophysics. The event titled Interstellar saw teams come up with a feasible way to inhabit and colonize any planet or moon of their choice.

Mechanical events included Wright Flight, Robowars, Perfect Machine, Proteus and Velocity. Robowars witnessed a large turnout, with the crowd eager to watch menacing robots battle it out in a specially created arena in the sports complex. Velocity was a RC car racing event and Wright Flight had teams building planes from scratch using simple materials. The Civil commit-



tee hosted a multitude of events such as Colossus, Civil Mindbend, Nirvahana, Fantascity and Civil Blueprint.

The Metallurgy committee had some very cool events like MetaMagic where viewers could see really amazing materials like non-Newtonian fluids, SEM and TEM expo where images taken by scanning electron microscopes were on display. Meta Mindbend was a quiz on materials and they also had an event on Human Settlement.

The Biz Committee dished out a couple of interesting events like Brahmastra, a competition testing managerial skills; Capital Markets, a workshop conducted by the twenty19 team and biz waves in association with the Bombay Stock Exchange. The Gaming committee organized DotA, Counter Strike, FIFA and Most Wanted which saw quite a decent turnout.

The Tronix committee, one of the biggest committees in Engineer, hosted a plethora of events. Automata was an event wherein participants had to build an autonomous robot which is capable of making decisions to build its own army using an overhead camera. Foxhunt was a first hand exemplification of antenna construction and radio signal tracking. In Simplicity, participating teams had to find efficient and simple solutions to challenging problems using MATLAB. Symphony, the flagship event of the committee, was an event which drew the largest crowd, as teams used audio processing techniques to synchronize the water fountain with music. Trailblazer was a fun event where autonomous robots were designed which were capable of navigating any course while following a contrast background; while in the event Waltz, the teams had to build a robot which could navigate a maze. They had also made a clock counting down to Engineer and the Piano Stairs at the MB entrance.

Technites, the largest crowd puller of Engineer, once again managed to steal the show with their Psychedelic Room, Blitzkrieg and Arcade Room. They had made an LED wall, LED cubes, a laser harp and many other eye-catching objects. The

Arcade Room witnessed a huge crowd trying out the life-sized renditions of popular games like Subway Surfers and Piano Tiles. The one damper to their show though was the absence of Megapixel, which many of us were really looking forward to.

While everyone was busy racking their brains in all the other events, Freefall was an event where one could chill out and get freebies playing fun games at stalls. This event took place at the pavilion and had many easy to play games. It also witnessed the crowning of Mr. and Miss Freefall after a day-long competition which tested a variety of skills. Engigram, too, was an event conducted by Freefall which witnessed huge participation.

The four main shows of Engineer 2014 hogged limelight – the Raghu Dixit Concert, the Laser Show, 3D mapping and Sunburn. The Raghu Dixit Concert had Raghu Dixit and his band performing live at the SAC and had the audience on their feet and cheering in excitement throughout the show. Their rhythmic, earthy and rustic songs were stuck in everyone's heads for several days afterwards. The second main show was the Laser Show and 3D mapping. This had everyone spell bound at the magical sight of realistic 3-dimensional images being created out of lasers and turned out to be a crowd puller, although the rain tried to play spoilsport. Possibly the most widely attended event of Engineer 2014, Sunburn an EDM festival, had the crowd in a trance, dancing to songs for several hours at a stretch.

In conclusion, Engineer 2014 clearly lived up to its name and further strengthened its position as the the biggest technical fest of southern India.

Article by Prachi Shahi, I Year ECE  
and Asavari Limaye, I Year CSE





# Healthcare as a Service

Candid Insights from the Man Set on Making You Live Longer



Shashank ND is the co-founder of Practo, and an alumnus of NITK IT Class of '09. In Feb 2015, Shashank was picked by Forbes India as part of its 30 Under 30 list. After multiple rounds of funding from the likes of Sequoia Capital, Shashank's startup, Practo, is today the #1 doctor-search engine in Asia, and has a database of over 125,000 doctors; the platform is used to book more than 10 million appointments yearly.



**How did the Practo journey begin? Where did that initial motivation to become an entrepreneur come from?**

Well, none of my family members were entrepreneurs. My parents work in government institutes, my relatives are all either engineers or doctors. So it wasn't from my family that I caught the entrepreneurial bug. In my 2nd year at NITK, I happened to ask a friend of mine where he was headed, and was told that he was going to the MSH for the launch of a new club called E-FOREA. He said it was going to be the college's Entrepreneurship Cell. My reaction to this was "What's Entrepreneurship?" [laughs] He told me he didn't have the time to explain and forced me to come along. We took our usual shortcut behind 7th block, jumping over the open drainage and eventually made our way to the MB. The Main Seminar Hall was half full. The presentation they gave was really eye-catching, and I decided to apply to the club despite already being an active CSI member. Their interview was really cool, and I aced it. Just 4 people from my year got selected. Even overall, there were just about 15 people. So, that was how I first came across entrepreneurship. I became a very enthusiastic E-FOREA member and it was through its activities that I came across

this whole paradigm of starting your own company. It was a far more interesting concept to me than most clubs on campus. Through E-FOREA, I networked extensively by attending talks at ISB Hyderabad and IIT Bombay. We had luminaries like INSEAD Professor Patrick Turner come down to give us talks on entrepreneurship. It was both enriching and motivating to be around these people. So once we were tired of attending talks and conducting events by the end of our third year, we wanted to do something more. Back in 2009, the professors were very chilled out, especially in the IT department. So I had a lot of free time on my hands and decided to do something productive with it in my final year. I started experimenting with a few things on campus and in a few months, entrepreneurship just happened to me. Honestly, it was a complete accident.

**What about Practo specifically? How did that idea come to you?**

So while I was on campus trying to think of new ideas, my father was told by a doctor in Bangalore that he needed a knee replacement surgery. I wanted a second opinion on whether the surgery was actually required, and happened to get a reference of a doctor in America. To tell him about

my father's condition, I had to take photos of his medical reports, attach it to my Gmail account and send them across. The data wasn't legible, the photos weren't visible, and so the doctor came back to me saying this was unacceptable. Frustrated, I asked the Bangalore doctor if there was some way in which he could send me all this data electronically so that it could be easily shared with this other doctor in America. He told me that a lot of patients have asked for this feature but sadly, his diagnostic report generating tool didn't come with an email button. This was quite a shocker to me!

As an IT student in love with coding, I knew how trivial it was to implement a simple email feature. This was when I first realized the power of digital health data. With a few lines of code, we were able to digitize any health report. This was the first version of our software – we helped doctors digitize their data and gave them that email button that let them share their records with all the patients who had been asking for it. We built it late in our final year, and after graduating, we took it mainstream.

### **In Practo's nascent stages, what roles did members of the core founding team play?**

I met my co-founder Abhinav at Surathkal itself. He was one of the four second years who had got selected in E-FOREA. He was in IT as well. So we just sat together one day, began writing code and built the initial version of the product. I have to admit that he is slightly better than me at coding, but I talk much better. [laughs] So we decided that I would don the hat of promoting the business and be the outward-looking founder, while he would concentrate more on the technology.



We were lucky to have some fantastic teammates join us in our first year of operation itself. One of the first people to join us was Siddharth Nilhani, an NITK Mech student who was placed at a company but wanted to live life differently. He joined us right after college as a developer. Our next three hires were again all developers. I was

the only person who apart from doing development, was sometimes also going out there to do sales. Slowly, I completely gave up my software development responsibilities, and started focusing solely on building the company. The next 4 or 5 hires were all in sales. Thus, it was a pretty even split in the first 10 employees.

### **How do you think people looking to start-up should go about building their team?**

The founding team of a company is its most important asset. At Practo, we are incredibly lucky to still have people who joined us when we were a fledgling one-year old startup. Siddharth Nilhani is today leading the entire engineering team of 100 people. Siddharth Agarwal, who was also from NITK, joined us after a year of operation and today leads the Sales team of over 200 people. As you can see, these are very important roles and we had to ensure we got the right people in at an early stage to handle such massive responsibility. We worked very hard to retain this team once we got them. In the initial days of any startup, the most-defining metric for success isn't the money or the idea but the kind of team you are assembling and how well it is gelling together. If, as a founder, you are able to attract the best talent by selling your company's vision and leading by example, then your team will follow. Founders should always give 100% themselves if they expect their team to give 70%.

### **What advice do you have for students about starting up in college? Is work experience a plus or even necessary?**

Starting up in college was probably the best thing that I have done. You have a lot of free time and so few responsibilities. So if you can get through the cycle of college life quickly (Clubs, Fests, Mangalore, Manipal, Gokarna, Goa and all the things that go with them), you still have a solid year and a half left during which you can tap into this rich network that you have built along the way, and keep getting small productive things done. I remember I took up this random project of getting a new canteen on campus and went on to form this "canteen committee". While all these things seemed trivial at the time, they did help me become a self-starter. So yes, do anything but do something. This will lead to bigger things later in life.

Coming to the need for experience...I think there





are two things that every kid who wants to start-up in India are told they need – experience and an MBA. Take my advice, both are bullshit. I started Practo with zero experience. Today we are a Day Zero company at the IIMs, and the fourth largest recruiter from ISB. We are a major tech recruiter at BITS, and the top IITs and NITs. If at all you do want to work a bit, I would advise you to work at a startup. Life will be a little out of balance and you can't expect to have an event-free weekend, but the amount of exposure you will get is unparalleled. An MBA degree however is a strict no-no; it will just set you back by two years.

### **What can NITK, as an institute, do to promote startup culture amongst its students?**

Abolish compulsory attendance! I think forcing students to attend classes when they would rather do something else is counter-effective for students and teachers alike. Without the need to attend classes, students can get a lot of things done faster, and focus on learning things that they are interested in. The second thing NITK can do is establish a program similar to that at BITS where you get to intern at a company for an entire semester. Because let's face the truth, no student comes to college in final year to study; it's all about the block parties and trips. Instead of spending an entire year on that, if students were allowed to spend it in a corporate environment, it would be a much better utilization of time.

Apart from this, the college needs to ensure proper funding for tech fests and the E-Cell so that they are able to fly down good speakers. Mangalore is unfortunately a distant place, and handing august speakers bus tickets isn't really a sign of respect. Bigger budgets would allow the E-Cell to get the right people to come to campus and deliver great talks. When I was in college, I found a couple of talks really inspiring and remember wishing there were more such events.

### **“In China, startups succeed because of the government and in India, they succeed despite it.” What do you have to say about this? Fact or Fiction?**

Let's be honest. It's not a secret that it is difficult to do business in India. If we were to have an index on ease to do business, I think India would be amongst the last few positions. Right from the complicated tax structuring and the difficulty

in starting a business to getting capital for your business and acquiring other businesses; there are tons of nagging issues. There is so much poor policy making that has affected us detrimentally in matters of funding and such. We opened up in Singapore two years back and are doing really well there. We are launching in Philippines and Indonesia this year. Everywhere outside, the process has been easier than in India, but I guess the good part is that India toughens you up, makes companies work harder.

Having said that, India is gradually becoming a more business-friendly destination. There's no Modi mania per se but it is getting a lot better. A lot of foreign institutional investors are being attracted. The way Flipkart has capitalized itself is a good indicator that foreign investors are coming into India. Even with Practo, there has been significantly higher interest from foreign investors due to the perceived friendlier environment due to the new government. Apart from this, we recently had a minister of IT coming and talking to a bunch of us startup founders and asking us what we wanted from the government. I thought this was pretty phenomenal as five to six years back, the ministers probably didn't even know the word “startup”. So yes, the minister of IT telling us, “Hey, you know what...I want to listen to you guys. I think you're very important to the economy and an integral part of society. We want to help you and we're ready to listen.” That was really cool, and a great start. I think that if this is an indicator of how things will be going forward, then India will definitely beat China in the near future.

### **How healthy do you think the flow of capital is in the Indian startup space? Is there enough VC money floating around to let startups mimic the Silicon Valley motto of "eyeballs first, monetize later", or do they have to be cash flow positive from day one?**

The amount of capital in the Indian startup ecosystem has increased tremendously in the last few years. In 2008, when there was no Flipkart, no Redbus, no exits, both investors and founders were a little apprehensive. But now, every other day you see companies buying each other out. So the people who believed in the ecosystem six years back have just started getting validated. It is going to flourish in the next ten years. There are enough investors today, enough money flowing around and coming into India. In any business, there are different types of capital that are required. There's Seed

Capital, Venture Capital, Private equity Capital. I'm seeing a lot more startups coming up because of seed funding, thanks to the increased access to optimistic investors. The VC scene is still a little constrained, and is nowhere close to as good as that in America. We hardly have about twenty active Venture Capitalists, but even this is a big improvement from a few years back. Even amongst institutional investors, a lot more of them are interested in India today than ever before. So it is definitely possible today for student startups to get funded.

Coming to the eyeballs versus monetization part, I'm a firm believer that when you start a business in India, you should always focus on revenue first. There's still a lot of old-school thought amongst many investors in India. So, figure out the revenue model, make sure you have a sustainable business running, and that will help you attract venture capital money. Of course, there are exceptions; one example is NewsHunt. NewsHunt has a mobile app where people can read newspapers in regional languages. They attracted enough eyeballs in tier two markets to let them raise capital before they were able to monetize.

### **Why do you think so much of the startup activity in India happens in Bangalore? Why has Bangalore become the "startup capital"?**

This is definitely no surprise to me. We are probably the third largest internet population in the world, having just overtaken America. When I started Practo six years back, India had 50 million active internet users and today there are 300 million. My market size has gone up by 6x. In three years, we believe this number will go up by another 3x. Thus, when tech people see such a huge growth in the internet consumer space, they are definitely not going to ignore it as a potential market. And which place has the most tech people in India? Bangalore. Bangalore probably has the second largest number of software engineers after Silicon Valley, which I think is the primary reason it has become the epicenter of startup activity in India.

All internet businesses need engineers to start them, and Bangalore has them in abundance.

### **What are the hot startup trends for 2015? Which sectors should someone wanting to start-up be looking at?**

Since I'm not an investor, I don't have to worry about startup trends. But let me tell you a couple of things that I see happening and would advise students to get into. One thing that is definitely picking up in India is Consumer Internet. So, if you're building a product, I would advise you to keep it consumer-facing. Second, mobile isn't the next big thing – it's the big thing right now. Companies focusing on mobile first are the ones that are doing really well, and this should be something that startups should look to capitalize on from day one. The third trend, a slightly older one, that I have noticed is SaaS (Software as a Service). Even today, it continues to dominate B2B businesses around the world, and still has a lot of potential to evolve.



Apart from these three major trends, a big buzzword is "Big Data". But no one has made money out of it so far. So, I'd say it makes for a good investor pitch but not for a solid IPO pitch. The other big buzzword today is "Wearable Technology". But again, that's all it seems to be – a buzzword. It can probably help you pick up a chick at a bar but I don't think it's going to be bringing you much money into the bank account.

### **What advice do you have for young entrepreneurs based on common pitfalls you have noticed?**

Be wary of trends. I'm a firm believer that you should always build products that affect you, products that you are passionate about, and not just follow trends. We did not start Practo because SaaS was trending. We started Practo because we wanted to solve the problem of accessible health-care, and SaaS helped us do it. We didn't make Practo consumer-facing because it was a trend; we did it because our vision required us to do so.

Building things you are passionate about is the best way to create a successful startup, as very few people in the world are going to be passionate about creating the same things. A very few people are passionate about the digital health as much as us at Practo. But, billions of people are passionate about Consumer Internet. So don't compete on Consumer Internet, compete on what you are passionate about. That's what will give you a headstart.

Secondly, never chase money. I have seen a lot of start-ups trying to do things that will help them raise capital. We always did the other thing. We focused only on our product, and ensured that it was the capital that was chasing us. The more we ran away, the more they ran behind us. (laughs) Capital is definitely important for the business but you should not chase it. Let it come to you. Do great work, build great products and put them out there. The money will follow; the right kind of money will follow. I have never written a mail to an investor seeking investments or meetings so far. All my interactions have been on inbound requests. That's what you have to work hard for; make them come to you.

### **Where do you see Practo in the next 10 years? Do you have any personal goals for in the same time period?**

So, we have a poster in our office that says "In the next 100 years, Practo has to be on Mars." (laughs) I wish that in 10 years, I am still as useful to Practo as I am today. There is nothing I would want more than to keep getting the opportunity to work with some of the best minds in the business, building some of the best products in the world. So I hope I can live up to the expectations we have all set for Practo and its team. As for the company, we currently operate in three countries (India, Philippines and Singapore), and are headed towards building a global business. We want to be in 10 countries by the end of this year. In the next 10 years, hopefully we are in a hundred. The number of lives you could impact with that sort of scale is tremendous. We are currently touching close to about a billion and a half lives out of a possible six and a half billion. We hope our products and services can reach out to the remaining as well. In the next 5 to 10 years, we want every single individual to have his own health account with us, where he has access to all his health records; he need not depend on anyone else for his health data. Our vision is to help people stay healthy, and increase longevity, and we think we can have a massive-scale impact in the next 30-40 years.



**Shashank ND** @shashanknd · Mar 16  
#BleedBlue #practo #Team-Philippines

### **It is very apparent that NITK has been an important part of your life. What do you miss the most about college?**

Unfortunately, I have not come back to college since graduation – not even to collect my degree. I was so involved with Practo at the time that I missed the convocation. However, I would love to come down there again sometime and share my experience. What I miss the most is obviously the Night Canteen (NC). We used to get this double egg bread omelette that I absolutely used to gorge on. You just don't get that stuff outside. So enjoy it as long as it lasts because getting that quality of food at one or two in the night is just so rare. I miss that a lot.

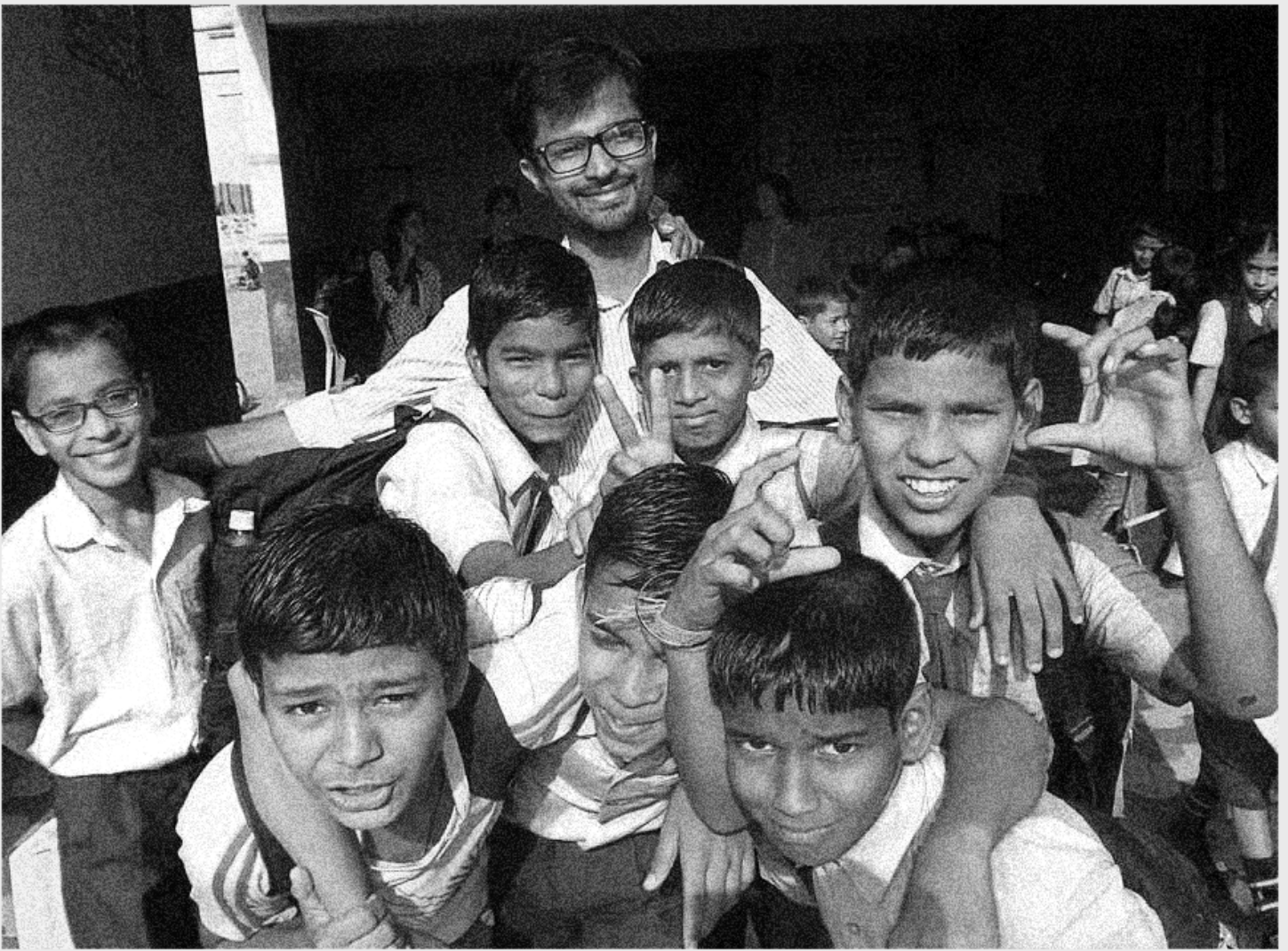
I also miss the peer group, my fantastic batch.

### **Shashank, thank you so much for taking time out from your busy schedule and giving us this hour of wonderful, candid conversation.**

Thanks man, it was really fun catching up and reliving some of my college days. Surathkal has really played a huge role in Practo's success. We have so many engineers from NITK in our office that it feels like a mini-Surathkal in itself. So, this interview for Shoreline 2015 is the least I could do to give back. Cheers!

*This interview was conducted by Gaurav Mokhasi, Final Year CSE, Convener, NewsWagon and Editor, Shoreline 2015.*





## *Detour to a Road Less Traveled*

### *Finding your element*

It was a calm and breezy evening as I lay on the beach, nearly a year ago, trying to figure out what I would do post-graduation. I knew this decision would be a crucial one as it would set the tone for the rest of my career. I was torn between choosing something I was passionate about and something that I was trained to do for four years. Deep down somewhere, I knew that I would always derive pleasure in understanding the process of teaching and learning. Algorithms were cool, but spending time with children was what made me feel alive.

Ken Robinson, who gave the world's most-

watched TED talk ever, speaks frequently about the role of education in finding out your passion. Your element. Unfortunately, most of us never consciously sit down and reflect on what we truly love doing, and thus become vulnerable to aspirations which society, family and our peers set for us.

Towards the end of Final year, I had almost made up my mind to join Teach for India, an NGO which places graduates from reputed universities into some of the toughest and most difficult schools of India as teachers. Few months later, after rigorous training, I was in my first ever job, in my first ever workplace, in a tiny room with 52 little human beings sitting and staring at me. I almost choked. It took me a few days to adjust to this new

role. Walking through the slums everyday, sometimes accidentally stepping on human faeces, trying to avoid a constant stink in the air to reach my class every day only made things tougher. It exposed me to a completely different world. A world which we all know exists, but comfortably choose to ignore. The world of underserved communities. Sometimes I feel I could have been sitting comfortably in a research lab or a software company churning out code from coffee, yet I chose to take a detour which on the surface did not make sense.

## *Connecting the dots*

Steve Jobs asks us to follow our passion and true love, without trying to live someone else's life. I ordered a copy of Job's biography when I was in college and it was truly inspiring. The decision to become a teacher after doing engineering seemed like a total outlier in the data points my life had plotted so far, but I believe and hope that several years down the line, it will look more like an inflection point. (Sorry, still a geek at heart)

In hindsight, the projects I did apart from my academics played a crucial role in connecting the dots later. When I was in my second year, I developed educational games for blind students of a school in Mangalore. I was working with a team of around 20 members, visiting the school twice a week at times. I remember bunking classes for this project. This project exposed me to the potential that engineering and technology had to impact people's lives. It made me feel proud of being an engineer for the first time. My future projects were consequently aligned to solve problems in the real world. This is when I started exploring the field of Education.

## *Education - Thinking from first principles*

Wikipedia defines Education as the transfer of information, skills, habits, values and beliefs from one generation to the next. It definitely sounds like a simple task. Well, it once was. Until humans moved into the Information Age and schools came into the picture. The education system of today was designed on the factory model of the Industrial age. The assembly line inspired the grade levels. The instruction manual inspired the curriculum. The factory bell inspired the school bell. Students in this model are essentially objects who are graded on their quality over a period of 12 years. If they fail to pass the quality test, they are

termed useless. Children graduate in batches just like labels on factory products. More than that, many children do not have the chance to even go to a school, however outdated the model might be. There are several such problems plaguing the education system.

I am a big fan of Elon Musk. In one of his interviews, he said that the secret behind his revolutionary ideas was a way of thinking which he calls 'thinking from first principles'. This approach basically consists of boiling down things to the bare minimum and building up from there. It is little wonder then that Musk was able to reduce the cost of sending rockets to space drastically by a factor of 10 using this approach. Education in some ways is like rocket science, and could in fact be tougher. There are so many working parts such as parents, students and teachers, and so many factors that impact learning such as poverty, physical disability and social and economic status. What makes this more challenging is the fact that all the stakeholders are human beings driven by emotions, aspirations and beliefs, unlike rockets which are at least predictable to a certain extent.

It is at this intersection of education and technology that I spend a lot of my time thinking about what I can do to improve things. In my final year of college, a group of interested folks and I initiated the "Ubiquitous Learning Research Lab", a research group trying to tackle problems in education by thinking from first principles. If you are reading this, and want to be a part of the research group, we are opening it up to more members this year. Get in touch with me at [chandramouli.s2014@teachforindia.org](mailto:chandramouli.s2014@teachforindia.org) with a brief profile of your previous work and interests.

More importantly, remember that you don't need a title next to your name to teach someone something of value. Do your bit today, and the world will be a much better place tomorrow.



Article by  
Chandramouli  
Sharma, NITK  
CSE Class of  
2014, Teach for  
India Fellow



Goa for Engi? Too clichéd, wasn't it? That's when we came up with something else...

# GO INTERNATIONAL WHILE YOU'RE IN COLLEGE!



Article by Rahul Das, Final Year, CSE and Inter-NIT Aquatics Gold-Medallist



# nitk to nepal



## THE TRIP

My friends and I had always discussed the idea of backpacking abroad while we were still together at NITK. After receiving our internship stipends and securing jobs in the 7th semester, carrying this out during our final Engi break only seemed logical to us! The bungee jump, the murder scene, the unforgettable Himalayan trek, the people we came across and of course, that we did all this together made my decision to set out to Nepal without doubt among the best I've ever made. I write this in the hope that it spurs you to travel abroad while you're still in college and that you'll find it useful if you wish to visit Nepal.

## THE JOURNEY

### *Taj Mahal*

39 hours after getting on our first train at Surathkal, the six of us alighted at Agra. Two hours later, we were standing in front of the Taj, transfixed by the massiveness of the mausoleum. We were able to appreciate the place better by hiring a guide who told us that the widely held assumption of Shah Jahan cutting his workers' hands was a myth. He also showed us the Hindu carvings on the white marble and I was intrigued on seeing what exactly had led to the Tejo Mahalaya debate. Do try out the sweets that are sold outside the perimeter of the monument when you visit it.

After the camel ride that followed our visit, we got onto a bus to Tundla and then boarded the train to Gorakhpur. We arrived at the station at 08:45 and boarded the bus that would take us to the Indian side of the border town Sonauli.

### *Nepal at last!*

We thought of ourselves as the first

group of NITKians backpacking to a different country in the middle of a semester and were therefore thrilled when we crossed the border! We adjusted our watches to stay in sync with the new time zone and boarded the 1pm bus to Pokhara that was incidentally, the last for the day. We crammed ourselves in it, sat with a few soldiers in the last row and sang with them in Nepali until we finally arrived at Pokhara.

### *Pokhara*

Visit places by day, and experience the nightlife once the sun goes down – this was the formula we stuck to during the 9 days we spent in Nepal. For obvious reasons, let's just stick to what we did during the day in this article!

The waitress we met at breakfast on our first morning in Nepal was kind enough to chalk out a complete guide to visit Pokhara and we spent the next 2 days visiting Fewa lake, Devis falls, Gupteshwar Caves, Mahendrapool, KI's bridge and Sarangkot. Tragedy struck on our second day when an avalanche, a result of the Hudhud, led to the death of 43 trekkers. Disturbed, we thought it would be better to leave Pokhara for a few days and return once things got better. We boarded the overnight bus to Kathmandu that night.

### *Kathmandu*

The sleepless journey to Kathmandu was without doubt the worst bus ride we had ever been on. Nevertheless, we didn't let fatigue dampen our spirits and went on a city tour 2 hours after our arrival in the capital. We visited the Stupa at Boudhanath, the sleeping Vishnu at Budhanilkantha, Swoyambhunath Buddhist monastery, Kathmandu Durbar Square and Pashupathinath, the temple that



Departure from NITK: Mangalore - Agra train at 19:45

Arrival at Agra at 10:30: Taj Mahal: Tundla - Gorakhpur train at 18:00



Arrival at Gorakhpur at 08:30: Crossing the border: Bus from Sonauli to Pokhara at 13:00: Arrival at Pokhara at 20:00



Pokhara sights: Overnight bus to Kathmandu at 20:00



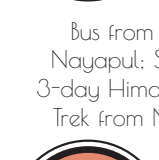
Arrival at Kathmandu at 05:00: Tour of Kathmandu



Bungee jump at The Last Resort



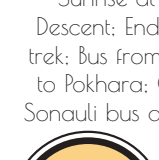
Mini bus from Kathmandu to Pokhara at 14:00: Arrival at Pokhara at 20:00



Bus from Pokhara to Nayapul: Starting the 3-day Himalayan trek: Trek from Nayapul to Ghandruk



Trek from Ghandruk to Ghorepani



Sunrise at Poon Hill: Descent: End of 3-day trek: Bus from Nayapul to Pokhara: Overnight Sonauli bus at 20:00



Arrival at Sonauli at 06:00: Lumbini: Crossing the border: Gorakhpur - Delhi overnight train



Delhi - Mangalore flight: Back to NITK





*nothingness...*

6 hours before that moment of insanity, our journey from Kathmandu towards the Tibetan border had just begun. We were on our way to the world's 10th highest bungee jumping pad, situated at a height equivalent to that of a 50 storeyed building. We were the only South Asians on the bus and soon struck conversations with the others on it. We came across a Korean entrepreneur, a Canadian freelancer, a pastor from Hong Kong, social

workers working in Africa and solo women backpackers from countries like Norway and Israel. I was delighted when I listened to how these women had hiked across different countries for months altogether and saddened when they explained why they weren't going to visit India. Embarrassing, don't you think? A woman's right to dignity is something that each of us needs to take very seriously in India.

Coming to the jump, I could go into the details of every emotion that I had when I did it but I guess it'd be better for you to see what it is like for yourself. Visit my blog and watch the video of the jump there (<http://goo.gl/PhjSwu>).

### **Back to Pokhara**

8 whole days of challenging our limits and our bodies finally ended in our giving in on Day 9. Exhausted, we could only wake up in time for the afternoon mini bus to Pokhara.

### **The trek**

We began the Poon Hill trek at Nayapul (1,065 m) on Day 10 and trekked up to Ghandruk (1,940 m) on the same day, till Ghorepani (2,874 m) on Day 11 and witnessed the sun rise on the peak, Poon Hill (3,210 m) on Day 12. After this, we used the Thikedunga route to descend back to Nayapul. We then re-

Prime Minister Modi had visited two months prior to our visit. We found the blend of Hindu and Buddhist architectural styles and the temple's connection with the Udipi Brahmins from Karnataka to be especially engrossing.

### **Bungee Jump at The Last Resort**

*You see the raging river 160m below you knowing that even the tiniest of glitches would render that the last thing you would ever see. Your brain freezes and you can barely hear the instructor coaxing you into taking the jump. The adrenaline rushing through you then takes over very briefly, forcing you into making that leap and then, you dive into*



turned to Pokhara and boarded the bus back to the border town Sonauli.

The ideal way to do this trek



would be to wake up early every morning, trek till dusk and halt for the night at one of the mountain lodges. We had, on the contrary, started at noon and continued even after sundown with our flashlights in the dark.

Unsurprisingly, prices here rose gradually as we climbed higher and the food at the peak cost



us more than triple of what we were accustomed to paying at the plains. Rooms, on the other hand were unbelievably cheap. The cosy place we stayed at Ghorepani only cost us NPR 200 in total (around INR 20 each!) Stunning views of the ice-capped Annapurna range followed us throughout the trek all the way up to Poon Hill and there were places where we would just munch on our food gazing soundlessly at the mountains. A few stretches on the trail were extremely tiresome

and we did lose our way in the dark on three separate occasions. However, whatever little the ICSE syllabus had taught us about analysing topographical maps ensured that we got out of those sticky situations without much ado.

Access to the internet isn't an issue since most mountain lodges provide you with WiFi at nominal rates. Do carry the topographical map and a compass when you set out on the trek. You wouldn't have to carry much water since you'd be able

to refill your bottles at the falls situated at regular intervals. Pack smartly.

### ***Lumbini***

After arriving at Sonauli early on Day 13, the six of us freshened up and took a bus to Lumbini, the birthplace of the Buddha and saw the exact spot where he was born centuries ago.

### ***Gorakhpur again***

As luck would have it, the cab we had hired to cross the border and take us back to Gorakhpur had a flat tyre and we arrived at the railway station half an hour after our train's departure! What we saw the moment we stepped out of the car made us freeze in shock and disgust. Three goons stood next to a stall screaming at people, summoning them to rush to the shop and steal whatever they wanted from it. The next few minutes were a blind as a great number of passers-by (including our driver!) rushed to the stall and returned seconds later, having stolen as much as they could





have. The railway police arrived a few minutes later. It was only then that we grasped what exactly had happened.

The owner of the stall had been murdered at a distant location prior to our arrival. What we saw was an attempt by the goons to humiliate him after his death. Stranded at one of India's most dangerous and hostile towns, our brains were clouded with paranoia.

With our friends helping us from NITK, we managed to book tickets on a train that was to depart 3 hours from then. Those

rounding locations including India Gate, Rashtrapati Bhawan, the Parliament and even BJP's national headquarters. For a politics enthusiast like me, visiting India's power centre was yet another fascinating experience.

### Back to NITK

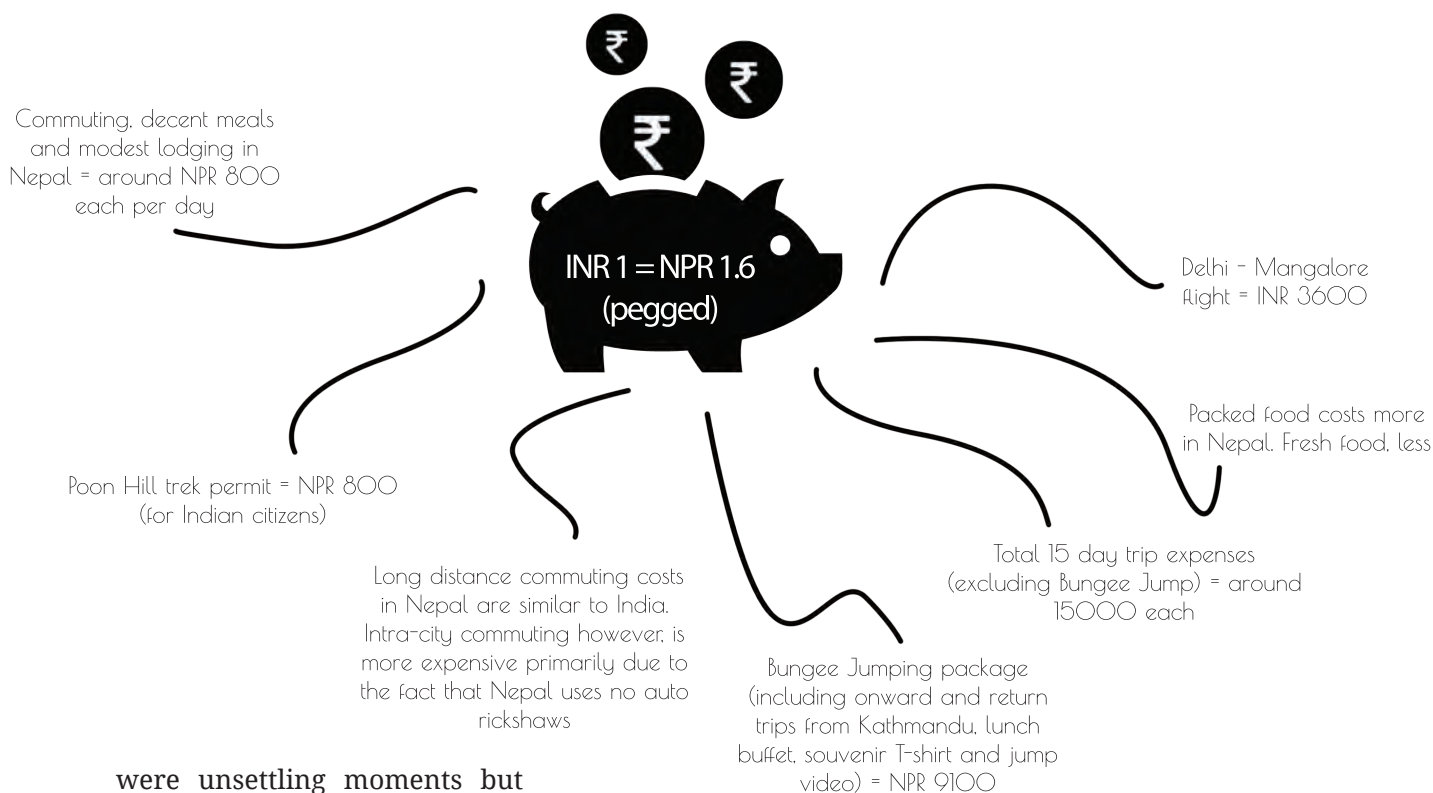
After 2 weeks of travel hacking, the flight to Mangalore really did seem like a godsend. Well, I guess that's what they mean about travel helping you stay grounded.

We arrived at NITK two hours before the start of our last Diwa-

dia's varied landscapes is in itself an unparalleled experience. The authorities aren't too particular about security checks at the border. In the rare chance that you'll be asked to produce your documents, you'll need to have your Indian Government IDs and your student ID.

To avoid transaction charges that would be levied per ATM withdrawal, use the yellow SBI Maestro ATM-cum-Debit Card while you're in Nepal. You'll find a number of SBI ATMs in Sonauli, Pokhara and Kathmandu.

Permits for the trek can be ob-



were unsettling moments but I'm thankful that things didn't get any worse thereafter.

### Delhi

Crowded trains, but a well-organized system – the Delhi metro seemed to me a cross between Singapore's efficient MRT service and Mumbai's packed suburban trains.

We spent our evening in Delhi visiting Rajghat and its sur-

rounding locations including India Gate, Rashtrapati Bhawan, the Parliament and even BJP's national headquarters. For a politics enthusiast like me, visiting India's power centre was yet another fascinating experience.

### In Conclusion

Irrespective of your budget, I'd suggest you travel at least the onward journey by train and more specifically, in sleeper class. The fun that you will have on the train while it passes through In-

dia's varied landscapes is in itself an unparalleled experience. The authorities aren't too particular about security checks at the border. In the rare chance that you'll be asked to produce your documents, you'll need to have your Indian Government IDs and your student ID.

To avoid transaction charges that would be levied per ATM withdrawal, use the yellow SBI Maestro ATM-cum-Debit Card while you're in Nepal. You'll find a number of SBI ATMs in Sonauli, Pokhara and Kathmandu. Permits for the trek can be ob-



I've ever met. The ones on the plains however, were despicably shrewd and did try to take advantage of us countless number of times. Be on your guard. Although October is generally the best time to visit Nepal, it does get a bit cold on the mountains and temperatures can go as low as ten degrees. Prepare yourself accordingly. We had to change our plans midway owing to the cyclone. In case you decide to follow our itinerary, do the trek while you're in Pokhara before you visit Kathmandu. When you're on a tight 15 day schedule like this, always set aside a spare day. Be flexible

when it comes to the itinerary. Anticipate the unexpected. It is only normal for the average Indian parent to be sceptical about his/her child venturing out into the unknown like we did. That is exactly why I'd like to thank my mother, not just for permitting me to go on a trip like this, but also for inspiring me to live my life to the fullest. The owner of the lodge we stayed at in Ghorepani had lamented the fact that despite Nepal having some of the most popular hiking trails in the world, there are hardly any Indians who make it a point to explore them. And isn't that the fundamental flaw in our way

of living? We, in India, are so focussed on our education and careers that we fail to travel and recognize the pleasures that it gives us. If you blame it on the money, sure. 15,000 isn't what a student would term a small amount, but when you think of it, isn't it much lesser than what you, as an NITKian would earn from one of your internships? When you're still in NITK, you have the time, the money and most importantly, your closest friends with whom you can have some of these life-defining adventures. And what better adventure than to travel abroad and return with all those memories.





Is the role of an organization in ensuring gender equality mainly limited to its corporate culture, or is a dedicated effort right from the hiring stage required to ensure the same?

Today, progressive organisations believe that cognitive diversity is essential to succeed in a complex and fast changing world. Gender diversity is a critical part of fostering cognitive diversity in an organization. Most organisations have progressive diversity programs that help build an environment which is conducive for growth and lays the foundation for a high performing work culture. For example, at IBM, we recently launched, “Tanmatra” – a cross-industry women’s leadership development program, envisioned by IBM in collaboration with Indian Institute of Management-Bangalore and Catalyst. The program leverages the best collective practical experience and research to prepare women for leadership in the Indian business community.

Technology has become disruptive today and technology life-cycles have reduced significantly. How does one stay relevant in this dynamic world?

A new ‘age of knowing’ is upon us. And with it comes new requirements. Everything, from how we transact with merchants, to how we educate our students, to how we entertain ourselves, is changing with stunning speed. Clients, on the other hand, are moving from a ‘cost arbitrage’ based mind-set to ‘innovation’. Understanding these market and technology shifts and changing client demands is business-critical. There is no other way but to stay relevant; to innovate and drive value for clients.

Technology is expediting the journey from ideation to service launch, allowing us to perform much faster. Today, elaborate waterfall models that involve well defined requirements, coding and testing phases are being replaced with more agile models that involve rapid prototyping. To “stay relevant”, one should invest in up-skilling oneself in adjacent spaces. For example in the IT field, look at skills beyond just technical degrees, like design, 3D printing, etc. It is essential that we also keep ourselves abreast with information that is widely available.

What are some improvements you look forward to overseeing during your tenure as chairperson of the NITK Board of Governors?

A couple of improvements that I would be keen to initiate during my tenure as chairperson: Better



An interview with Ms. Vanitha Narayanan, Chairperson, Board of Governors, NITK Surathkal, and Managing Director, IBM India.

exchange of ideas and encouraging active engagement between organizations/industry and educational institutions. I believe this will be a very enriching experience for both the faculty and the student community.

Another area should be to bring in industry best practices from other institutions, and enhance mentoring programs for the students that will allow them to leverage the leadership skills of mentors. This will not only provide an open forum for discussion of new ideas, quickening the development of customer-valued skills, but also enhance their skill sets, helping them realize their long-term career aspirations.

Karnataka offers women entrepreneurs 5% IT land quota and incentives. What more can the government do to help increase the number of women entrepreneurs?

While I do not comment on government policies, I believe we need to nurture an environment which promotes women entrepreneurship. Students should be provided with access to mentoring, funding sources, business plans, technology hubs, key technology conferences in the country and networking opportunities to develop and launch ideas.

For example, IBM's Bluemix is a cloud based platform that offers access to infrastructure and has

helped multiple startups reduce time to market from development to deployment. Such initiatives will go a long way to encouraging entrepreneurship in our country.

What advice would you give to women deciding to make a tech career for themselves?

Today, women can be as successful in their chosen technical career paths as their male counterparts. Technology is an equal opportunity industry. In fact, it is a known fact that today, the percentage of women being recruited from technical institutes has gone up considerably.

My advice would be to stay focused and believe you can be successful, since nothing prevents you from being successful. Don't opt out and be the best you can be.



This interview was put together by Isha Singh Jassi, Senior Undergraduate, Dept. of Information Technology and Chair for Women in Engineering, IEEE NITK.

OPT IN

AND

STAY RELEVANT

*"We need to nurture an environment which promotes women entrepreneurship"*



# “ Say What You Want\* ”

**B**y August 1789, "The Declaration of the Rights of Man" (I looked this up and yes, only man) was widely viewed as a fundamental document of the French Revolution. It entitled every man to the Freedom of Speech. It was an inalienable right made immortal by Voltaire's quote, "I detest what you write, but I would give my life to make it possible for you to continue to write." The freedom was a medium to ignite public debate over various economic and social issues; a conduit for discussions about what an ideal society should be. It enabled the commoners, The Third Estate, as they were then called, to voice their views and vent out against the excesses of the clergy and the nobility. The rationale behind this freedom was to provide people the tools to mould public opinion on decisions that would directly affect their lives, analogous to the definition of democracy. As a citizen of the state, you should be guaranteed the right to voice your opinions to those who run it. The idea was that this would lead to good governance which would ultimately improve the life of every individual.

This right, taken for granted in many democracies and parallelly denied in many others, has become an integral ingredient in the adoption of various legislations. India, the largest democracy in the world has a very successful record of causing major political earthquakes through various protests backed by a public more and more critical (and now vocal) of various malpractices in the government. From economic to social issues; social networking websites, newspapers, TV news channels, they all enable the public to exercise their freedom of speech. Once again, the idea is to improve governance and through this the quality of life of all citizens.

Freedom of speech is arguably one of the most important jumps human societies have made towards democracy, which is, in spite of some recent debate, viewed as the best model of governance in the modern world.

Why use 300 odd words to reinforce this well accepted fact? Having accepted, for good merit, the benefits of free speech and the negative impact of censorship on the development of any society, I was appalled by some recent violent acts that aim at thwarting this freedom, specifically the attack on Charlie Hebdo that claimed many innocent lives. Violence in all form is of course unequivocally condemned. It misrepresents an entire community by a set of fringe radicalized elements and promotes Xenophobia. There is no justification for such heinous crimes. The magazine acted within a legal framework set by the state and not respected by the perpetrators.

The magazine's editors were exercising their freedom of speech. That's perfectly legal. But having understood the rationale behind having such a freedom, how does such a publication enable better governance and more importantly improve its citizens' lives in a direct or indirect form? Does it affect public policy or express a society's opinion? Does publishing something so



religiously insensitive serve the purpose of being granted the freedom in the first place?

One could argue that various laws on blasphemy and hate speech do exist and if the publication did infringe these laws, legal action would have already been taken. But in progressive democracies, the material that could invite such charges

is becoming increasingly limited. Tolerant societies don't mind some light hearted humor. A government cannot and should not be able to adopt legislature that could make such publi-

cations illegal. Artists and writers should not be in jail for being inconsiderate to the feelings of others. A satire is meant to mock, but governed by the premise that it serves due justice to the rationale behind providing the freedom to publish that satire.

Artists should not avoid parodying sensitive matters out of fear of violent reactions to their work. If fear inhibits an artist from expressing his views, then the freedom of speech itself is lost. Artists and writers do have the right to talk about even religion if it stirs a legitimate debate about malpractices in religious institutions or specific arcane laws that may be viewed as too cruel or anachronistic to be practiced in the 21st century. It is common to hear and see jokes of varying degrees of humor that bring to the public forum numerous scandals involving well-established religious institutions. But mocking a faith just because it can be done legally doesn't make a strong case for its publication.

I do not by any means suggest that such pub-

lications should be banned or added to the list of acts that amount to blasphemy or hate speech. Maybe it's just a matter of being responsible with the freedom of speech that has been granted to the publisher. Exercise a modicum of restraint not out of fear of violent repercussions but simply because that particular expression of your

freedom does not satisfy the rationale behind the existence of that freedom itself.

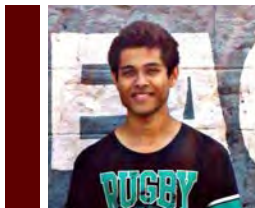
It's a little unfortunate how freedom of speech has morphed from being an enabler of political and so-

cial reform to a shield for publishers looking to sensationalize material which is often insensitive to the beliefs of a community. While Voltaire's quote is immortal, its greater context has probably been buried over the centuries. It isn't about just ink on paper; it's about words that can catalyze a larger social debate; articles that can check governance, satires that can enlighten the public about the political clout. Sure, even meaningless ink on paper will be shielded by the freedom. But then it's a question of exercising the freedom versus championing it. And given the right to exercise the freedom, it becomes a duty to champion it.

Freedom of speech empowers every individual to make a substantial difference in moulding the societies we live in. It is then imperative that we use it responsibly. It is thus only fitting that we conclude quoting Voltaire, the man with whom the movement began – "With great power comes great responsibility".



Saharsh Samir Oza is a Final Year ECE student and Chairman, CSI NITK.




\*Conditions Apply





# A SEED IS SOWN



In December 2014, NITK played gracious hosts to The Internship Program in Technology Supported Education (IPTSE), which is the brainchild of two senior professors at the famed Carnegie Mellon University, Pittsburgh (CMU). Started roughly 6 years ago, it has partnered with Indian institutes such as IIIT Delhi, MSRIT Bangalore, and now NITK to host a 2 week internship programme where students studying engineering and mathematical sciences get to work on interesting research ideas. Dr. Bhiksha Raj and Dr. Rita Singh of the CMU Robust Speech Recognition group handle the entirety of the programme in accordance with the host institution and few of their research fellows.

This program draws on broad areas such as mobile learning, educational games, technology-assisted language learning, computer-assisted collaborative learning, intelligent tutors, machine learning, educational data mining, human-computer interaction, as well as speech and language technologies. The goal is to create an international bridge between Indian institutions of higher learning and CMU, which is at the forefront of research both in technology and the learning sciences.

The application process was fairly simple. A statement of purpose, resume and one or two letters of recommendation had to be sent in and we received the results in about a month. There were 44 students overall and the selection committee had done a fantastic job of maintaining diversity by ensuring representation from almost every state of the country. On the very first day, after a small inaugural function and speeches by the organizers, we introduced ourselves to the gathering. From NITK, there were 8 students – Bhuvan MS (IT), Vineeth Kishore (ECE), Pulkit Pattnaik (ECE), Ashwin Kalyan (ECE), Ankit Shah (ECE), Amogh Hiremath (ECE), Sakthivel S (Mech) and myself (CSE).

We dove in and formed teams immediately. There were three tracks that we had been divided into: Neural Networks, Computational Models in Civic Issues

and Multimedia Analysis. After lunch, we carefully chose topics that we would like to work on. It was an arduous task for many reasons; the topic had to be novel, yet doable in fourteen days. It had to solve an issue or propose a solution, but there was a limit on the resources we had. Dr Bhiksha and Dr Rita along with Pulkit Agarwal, a PhD student from UC Berkeley chalked out a routine for us. This would not only help us in documenting our work regularly, but also open our research methods to more scrutiny. Dr. Sumam David and Dr. Deepu S of the ECE Department, who were the organizers from NITK, left no stone unturned in ensuring that top facilities were available to participants for the entire duration of their stay in NITK.

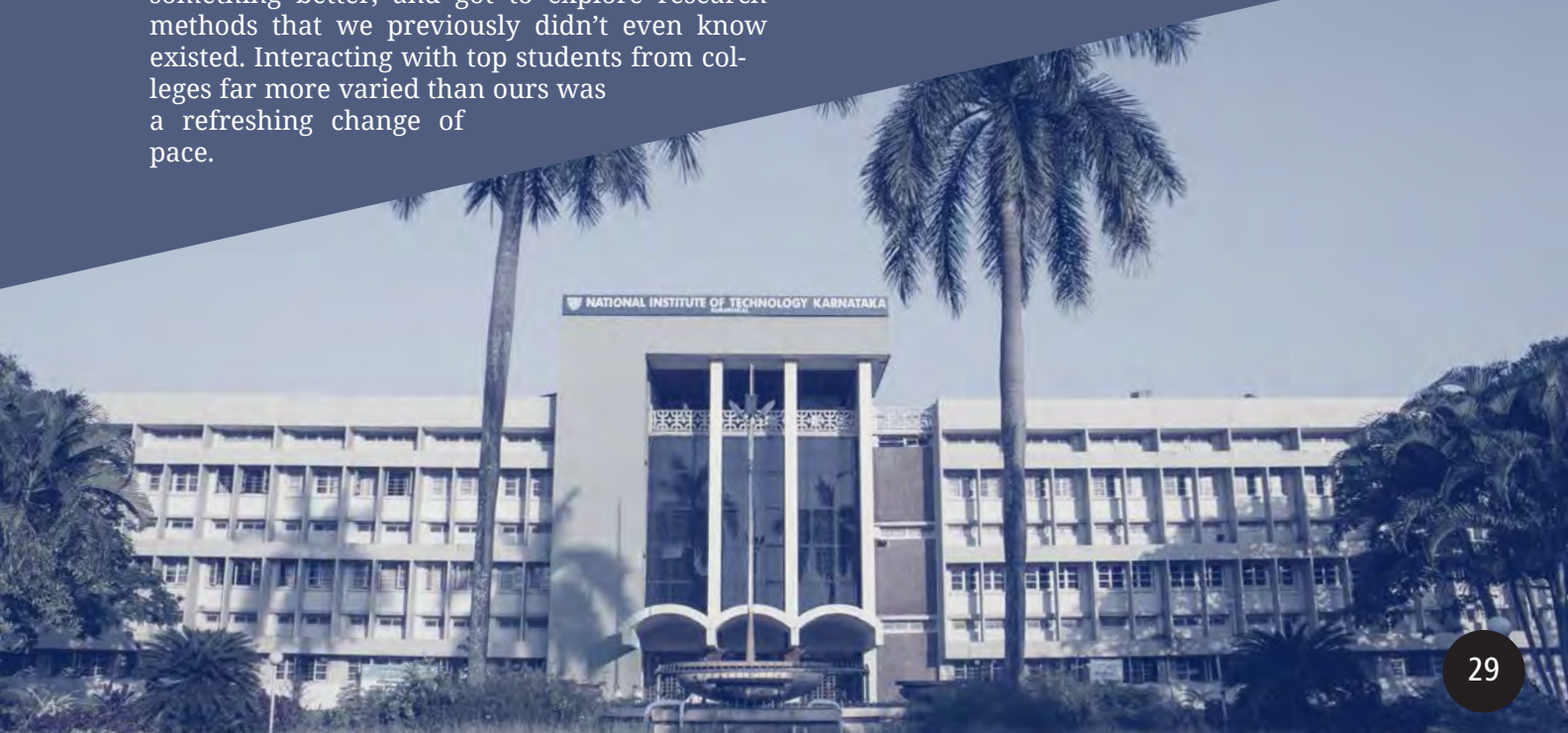
Every project was unique in its relevance. While one project tackled the issue of re-admission of diabetic patients into hospitals, the other worked on translating Manga from other languages to English! My team worked on mining data from Flickr, a social media platform. Our idea was to find out what kind of images become popular on Flickr. In the process, we performed linguistic, geospatial, probabilistic and statistical analysis on a dataset of around 20 million Flickr images. After the presentations in the morning, we would work on our projects for the rest of the day. Our private beach was the preferred destination more often than not to unwind after a hard day's work. Being the localite in our team, I would be remiss if I didn't take my team to Pabba's for ice-cream. We even frequented Suraj, Red Rock and couple of restaurants in Mangalore for a change of cuisine. Each day, we moulded our projects into something better, and got to explore research methods that we previously didn't even know existed. Interacting with top students from colleges far more varied than ours was a refreshing change of pace.

The last day was the Poster presentation day, and awards were given out to the best project. While most of us were glad to be going home after a hectic two weeks, there was a slight sadness while bidding adieu to our new friends.

This winter school gave me the opportunity to meet diverse, insightful people who taught me various things. Contributing to the project in my own way reinforced my interest in certain areas and completely annulled the notion that research is nothing but reading lots of papers. I wholeheartedly advise the forthcoming batches to make use of such opportunities in the future and build a strong network.

The program was also featured in articles in the Deccan Herald and Times of India. Here's my friend, Bhuvan's take on the Winter School: "It was an inspiring experience to work on health-care informatics as it would have a great impact on society. The professors and PhD mentors closely monitored our research and drove us in the right direction for elegant success of the project. The intensive exposure and knowledge acquired in that fortnight will give a kickstart to any research career."

An article on the 2014 CMU-NITK Winter School by Nimisha Sharath, III Year, Computer Engineering and Treasurer, Computer Society, IEEE Mangalore Hub Leader.





# THE CONFUSION OF A DAY SCHOLAR!

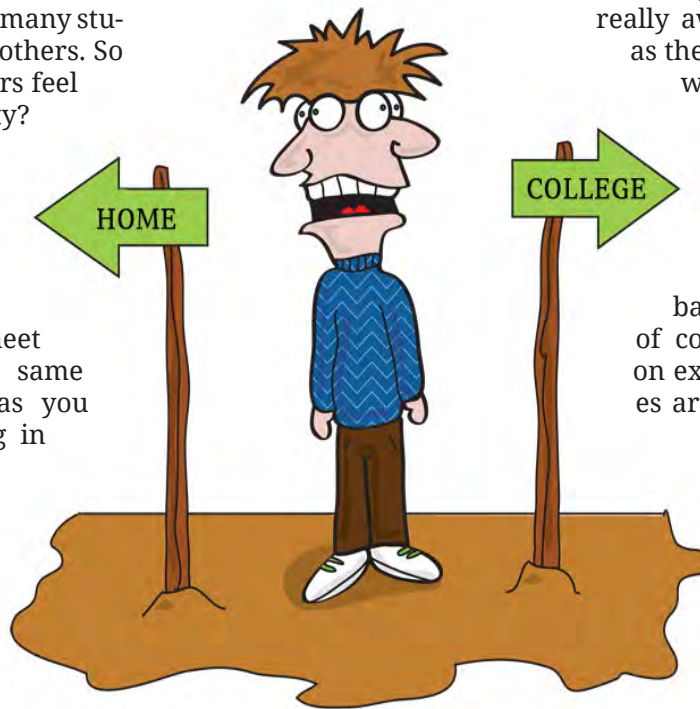
Day scholars are a small minority here in NITK. I think of NITK as not just a college but a city, one that is wholly different from Mangalore despite its proximity. NITK, with its popular beach and lush greenery, is a city spread across 400 acres that has become a home to many students, professors and others. So how do we day scholars feel being a part of this city?

Being a day scholar is confusing at times and yet satisfying. It is satisfying because you get to go home every day, eat good food and meet your parents. At the same time, it's confusing as you feel like you're living in two different worlds leading two different lives. You're not completely cut off from the things that happen in your family and you feel the same about the things that happen in college.

There is this longing desire to be a hosteller that cannot be fulfilled as you can just get back to your home with a thirty minute journey.

The journey acts as a portal between these two worlds. On one side, there are weddings, cousins, hangouts with school

and pre-university friends, the bhoota kolas (devil worship) etc. On the other side, there are club interviews, elections, Incident, Engineer, exams and FIFA.



Striking a balance between these two lives is a major challenge and inevitably, you get left out of the fun of hostel life.

The bus journey is filled with some characters, the main ones being the conductors. There are two kinds of them that I see ev-

ery day; the first, in the usually-crowded local buses. These conductors are pretty strange: they go to the front and shout at the women asking them to go back, and a minute later come back and shout at the men telling them to go to the front. It can get really awkward in these buses as they keep letting people in

when there is hardly any place to stand straight as it is. They are usually compulsive and just can't witness the sight of bags on people's backs. The second kind of conductors are the ones on express buses. These buses are empty and allow you to put on earphones and look at the same

old route that you have been seeing since your childhood, as you comfortably make your way to college. Another perk of these buses is that when you're

late to class, you can make up reasons like "Block near Bykampady, Sir" or "Railway crossing near MCF, ma'am". Trust me, the latter one actually worked.

Lab assistants, security guards, library chiefs - they all become your friends just by speaking in Tulu. One of the first friends

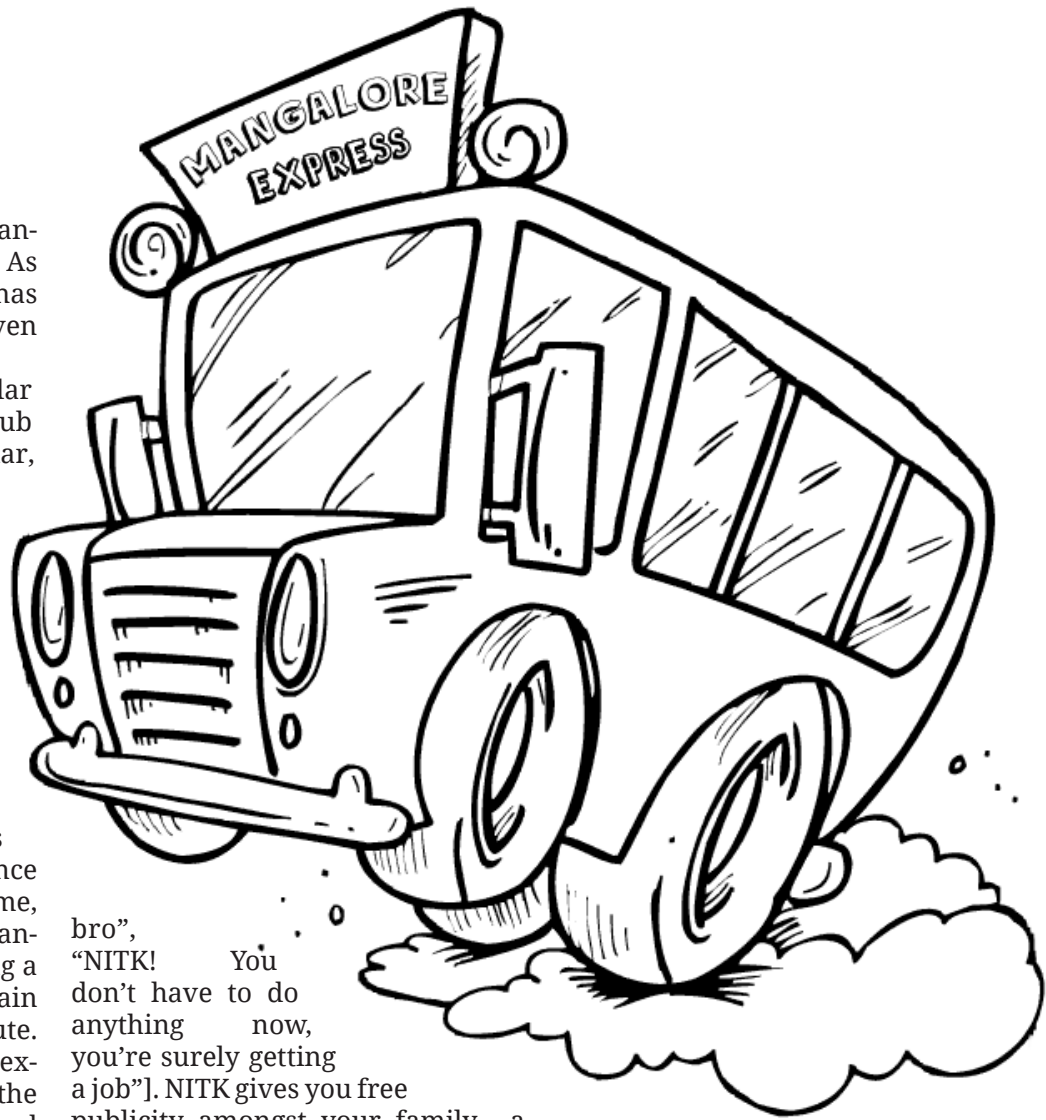
I made on campus in this manner was an employee of CCC. As a result, downloading stuff has never been a problem, even during holidays.

However, being a day scholar usually tends to backfire at club interviews. “Oh day scholar, will you be able to devote time to conducting events, considering you have to go home?” You can try to convince them as much as you can, but you are not on the priority list. I could only manage to get into SPICMACAY, but am enjoying it nevertheless.

Coming to exams, the only edge we day scholars have is that we are accorded the chance to study peacefully at home, but then we miss the advantage hostels provide of having a friend nearby who can explain things to you at the last minute. Also, lying about how your exams were good is easier on the phone than face-to-face, and this is an advantage that the hostellers have.

Coming to how Mangaloreans perceive NITK, every Mangalorean seems to have the same opinion – “KREC ya life settle mare”, “NITK nik job da tension ijji maare, dala manpond and ijji” [“Oh! You’re in KREC, you’re

life’s settled



bro”, “NITK! You don’t have to do anything now, you’re surely getting a job”]. NITK gives you free publicity amongst your family and friends. Most of them know NITK only through the weddings that they attended at SJA. Even I had attended a couple of weddings back when it was KREC, and I remember my mom telling me, “It’s not easy to get into this college, you have to study a lot to get into this”.

Though I had different plans in the beginning of PU, I ended up in NITK and don’t regret it one bit. The changes I’ve seen in myself since have all been for the better. The people I’ve met in this city are simply the best.

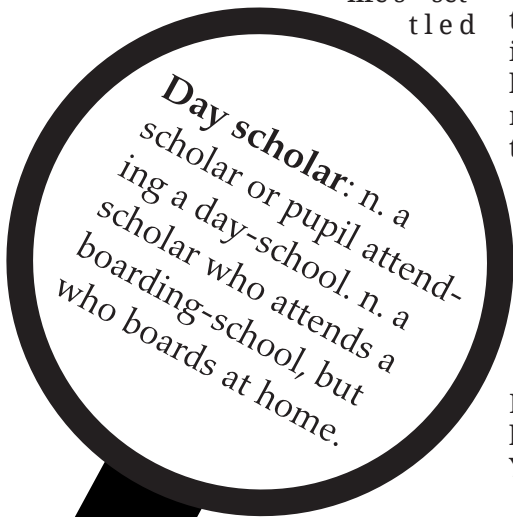
It’s a city with so much knowledge about engineering and a lot more. The NITK junta has turned a non-gamer like me into a borderline FIFA addict, and I even follow the EPL now. I have experienced a lot in NITK being a day scholar, but not all. You always need day scholars in

a college as we can be that bridge between these two disjoint worlds and keep people aware of the Mangalorean happenings.

So do I want to be a hosteller? My answer to that would be yes. Do I want to stay as a day scholar? My answer to that too would be a yes. The confusion of the Day scholar continues...



Article by Veekshith KH, III Year Chemical Engineering



**Day scholar:** n. a scholar or pupil attending a day-school. n. a scholar who attends a boarding-school, but who boards at home.



# I CAME, I SAW, I CAPTURED.

Article by Kevin D'Souza, II Year ECE, FSAE Technical Team, Photos by Rajashekhar Vasanth

The other day, I was caught in a dilemma. My friend and I were walking down this busy road when we saw a person clicking photographs. He seemed so completely consumed by what he was doing that he was unaffected by all the people around him. That's when my friend asked me, "Why do people click pictures? Can't they just enjoy the moment instead of losing it while they're trying to capture the same in their little boxes of joy?" I didn't know how to answer her question; I still don't.

I'm not a big fan of photography myself and much like my friend, I'm more of an 'enjoy the moment' kind of person. Since its inception in the 19th century, photography has captured millions of hearts and continues to do so. Gone are the days of Chemical Photography, when you had to wait hours for the completion of a reaction before you could view the photo taken. Now, it's a digital era. All it takes is for you to point and click, and in seconds, you have a digital image propping up on your camera screen. It has been quite a transition – from greyscale to colors, from the studio camera Polaroid to the DSLR, there has been a revolution in the art of photography. But is photography art?

I have a friend who is passionate about photography. His camera accompanies him everywhere he goes, letting him click everything he sees. I click pictures too. The only difference between our photos is that his are actually good. "Well, of course they're good. He has a DSLR while I merely have a Sony Xperia phone." "But Photography is not about the camera you have..." Well, while your camera does influence the photographs you take, it isn't the only factor. For instance, if my friend would give me his DSLR, I would still be clicking terrible pictures. I love my Xperia phone the way it is, always there to take the blame.

Photography also comes with its horribly complicated jargon. You tell a layman that in order to get the perfect snap, you have to adjust the shutter and the ISO speed, keep the exposure for an optimum time and control the aperture accordingly, and all you'll get are bewildered, incredulous looks. I react exactly the same way when my photography-enthusiast-friends ramble about the art of brilliant photography. But not everyone can click breathtaking pictures, like not everyone can sing melodiously or paint beautifully. And therefore, it is an art.

Pictures have a language of their own. They convey what speech and colors can't, every de-

tail, however minute, is available to the observer. There is a language that everyone knows but few understand. You go in search of those perfect moments and once in a while, you are surprised by Mohammed smiling at you with that innocence that only children have.



Once in a while, you are taken aback on seeing Vijay who will always find ways to be happy and curious no matter how cumbersome his life might be. No matter how heavy his burdens might feel.



So photography is most certainly not just about understanding the science and associated terminology. Anyone can see a brilliant dazzling rainbow in the sky but it takes a keen eye to observe a droplet of water in the foreground glistening in utmost glory. That's what photography is about. It is not about seeing the extraordinary, anyone can do that. It is about being able to see the ordinary; things which most people miss; things that most people don't bother to look at a second time. It is about capturing that one smile that's worth capturing. It is about taking your camera with you be it a Sony phone or a DSLR, and just heading off alone to a place where you've never been, and being able to look through a fresh lens every time.









# || 2015

# INCIDENT

“Thank you Team Incident”, “Best Incident ever!” – if the slew of similar Facebook & Whatsapp statuses are anything to go by, then Incident 2015 was nothing short of spectacular. But it was not all smooth sailing. Behind the closed doors of the Committee Room, a few hands worked fervently to build the bridge between ideas and execution. Like Emperor Hadrian said – “Brick by brick, my citizens. Brick by brick.”

The foundation was laid in the summer of 2014 with the election of Roshan John David as the Incident Convenor – a responsibility that reflects an individual’s impact on a team. With a dedicated team, most of whom had worked for the fest right from the time that they were fledgling first years, work for Incident 2015 commenced with gusto.

“What about colour?” The germ of an idea transmitted by this text message, flourished into the ultimate theme – “High on Colour”. Apart from letting us break out of the sinister mould, a theme like this would encompass the entire gamut of events that Incident had in store. To cement the success of the fest, we needed sponsors. Incident 2015 was blessed with a Marketing team that sweet-talked, cajoled and convinced sponsors into parting with their moolah. A recon trip to Mood-I, busy days in Bangalore, making a million calls and trying out the Tulu charm on local companies worked wonders. Incident 2015 saw a drastic increase in the number of out-

station participants – all thanks to the long days and sleepless nights put in by the Publicity team. The novel strategy of appointing Campus Ambassadors from different institutes in and around Karnataka paid off. The Publicity team was also constantly in touch with several IITs, IIMs & NIFTs, garnering and sharing information. Apart from mailing flyers and invitations, team members also personally visited local colleges. From gorging on ‘kappa-meen’ while organizing a DJ Hunt and flash mob in Kochi to Goa ‘feels’ while scouting artists for the World Fest – it wasn’t all work and no play!

Narrowing down on artists for the Pronites was a tight-rope walk that required balancing budget and expectations. Hooking Vishal-Shekhar gave the team a much-needed boost in morale. The cheers that resounded in the SAC when Vishal Dadlani and Shekhar Ravjiani were revealed as the Encore artists (through an EPIC promo video by MACD that was overlooked due to premature revelations) were music to our ears. Trying to get Eluveitie for the Western Night led to us laughing in disbelief at their 31-page ryder that included requests as ridiculous as 35 towels, gluten-free, tomato-free food, Schnapps, a picture of Matthew McConaughey – dare I go on? But while we chose not to get them, we were anything but selfish as we helped NIT-Calicut snag them for Ragam 2015. After several negotiations, the





team decided to go with Thermal and a Quarter. Incident 2015 had a record-breaking online presence with the 'Mauka Mauka' video – a spur of the moment brainwave that has hit more than 100,000 views on Youtube! The Inci Blog, released a month before the fest, featured reviews of student eat-out hotspots in Mangalore and the inspiration behind the theme 'High on Colour'. Even during the fest, it continued to feature the events covered by the Inci Press.

The week leading up to Incident passed in a blur of collecting cheques, booking flight tickets, staring incredulously at expenses, scheduling events, launching the Inci app and a million other tasks which sometimes seemed insurmountable. The MACD team spent sleepless nights churning out some of the most intricate and artistically designed banners and posters we have seen to date. The fourth of March dawned bright and early; the aptly designed centerpiece in the lobby (courtesy the Artist Forum) signaling the arrival of Inci fever. The next few hours saw the Chief Guest's delayed flight cause the Convenor to postpone his job interview and reach campus just minutes before the formal Inauguration began. In a show of unity, the entire Core suited up to mark the beginning of a whirlwind ride that they would later look back on fondly. This was followed by the Basketball inauguration and a side-splitting performance by the East India Comedy. The 'Ghanta Awards' tickled our funny bones to the lolmax! The end of Day 0 saw the team heave a sigh of relief and keep their fingers crossed that this Incident that had begun on such a 'high' note would continue with the same momentum.

The one thing that there was no dearth of was participation. From the Kalakriti inauguration,

the Word Games organized by the Literary, Stage & Debating Society (LSD) to the Kite Fest – there were people aplenty. In fact, Haute Couture had a record registration request of fourteen teams! But time constraints forced us to turn some teams away. It was with much reluctance that we told Mount Carmel College, Bangalore and NIFT-Kannur we could not comply with their request to 'change our fest dates!' The performances by Sonya Nakti – a Ukrainian belly dancer who was the epitome of fluidity and grace – punctured what would have been the monotony of Haute Couture. During the fashion show, while some Core members sat near the charging port in the Green Room waiting for an all-important phone call from Vishal-Shekar, the rest controlled their impulse to mouth off an impertinent student of 'Mighty Mighty MIT' who was cribbing about our 'tiny' SAC!

There was no better coincidence than the festival of Holi occurring smack-dab in the middle of Incident. The euphoria induced by splattering each other with colour leaked into the day's events. The dance events that showcased a myriad of vibrant performances wowed audiences. The Dance Events Coordinators themselves were pleasantly surprised when the solo registrations alone crossed fourteen!

The Beach Events were a real crowd-puller electrified by the DJs battling it out in the DJ Wars. Thermal and a Quarter made the star studded skies over SAC come alive with a mélange of songs based on subjects ranging from 'Chinese food' to 'brown people playing Western music'! Day 3 was the day that had the stomachs of the Core members in knots. It was the first time Encore was organized in the Main Grounds. There







was the matter of stage setup, lights & sound, not to mention security concerns! There were a few hiccups along the way, but they were smoothed out by the time the show started. What followed was one of the most incredible Pronites NITK has seen. As Vishal-Shekhar gave us all a night to remember, we threw our hands in the air and screamed ourselves hoarse, savouring the success of weeks of work. Mr. Con was later at the end of several envious stares as he blew off some steam backstage with Vishal and Shekhar!

There was something surreal about the last day of Incident. It was hard to believe it would end in a few hours. Most of the Core were looking forward to a much-needed vacation. Of course, all was not dandy. There was the 'Case of an Absent Drum kit' just an hour before Bandish! But like all the others that preceded it, we weathered out this storm as well. The basketball court was surrounded by an enthusiastic audience as the Slam Dunk ended in a nail-biting finish. The DJ night with Mightyfools and DJ ASen was a perfect culmination to the emotional rollercoaster that was Incident 2015. We surrendered ourselves to the

beat, letting the thrill of the music transform the memories of the last few months, of the last Incident, into our dance-moves.

Incident 2015 has given us a kaleidoscope of indelible memories and experiences. The remarkable people we have interacted with and the lessons we have learnt are what we will look to for inspiration in life's critical moments. These recollections may not take up any room in our bags as we get ready to pack and leave NITK, but they have shaped us more than any classroom lecture or seminar ever could.

We would like to give a big shout out to every person who made this fest a success – Prof. Udaykumar Yaragatti, Ms. Merlyn, the college administration, sponsors, volunteers and all members of the organizing team. We also wish the Inci '16 team the very best and hope they take Incident to greater heights.

Article by Anjali Nelliat and Veekshith KH,  
Chemical Engineering





# THE IV ANNUAL NITK AWARDS

In the past year, some NITKians have truly made a name for themselves. Be it with their creative sparks of genius, colourful shenanigans or spectacular faux-pas, each of them has left us thoroughly entertained. Team Shoreline is thus honoured to recognize these moments and present the 4th Annual NITK awards, where we offer bouquets and brickbats to those who deserve them.

*Disclaimer: Any resemblance to persons living or dead should be plainly apparent to them and those who know them. All events described herein actually happened.*

## **WORST T-SHIRT**

Nominees: 2D Orange Tower Wing  
T-shirt, Inci main, Inci office

Winner: Inci Office. Come see me in the office? High on shrooms?

## **BEST T-SHIRT**

Winner: For lack of competition... Tech-nites.

## **FACEPALM QUOTE OF THE YEAR**

Winner: This gem from Inci Inauguration – “If you are always on What’s Up (sic), then nothing will be up. Everything will be down.”

## **MOST CHEERED JEERED PERFORMANCE**

Winner: Studsheep hijacking Dance Events at Inci.

## **BEST CLUB TRIP**

Winner: #ISTEinGoa2015

## **SURPRISE OF THE YEAR**

Nominees: Inci Pronights at the Sports Ground, Engi entertainment nights

Winner: That mindblowing stage for Inci Pronights.

## **APP OF THE YEAR**

Winner: NITK-Connect Telegram.

## **NERDS OF THE YEAR (AND THE LAST THREE YEARS)**

Winner: 2D Wing, Orange Tower. Because together, that nerdness is more than the sum of its parts.

## **BEST VIDEO**

Nominees: NITK is Happy, NITK Alumni/Faculty Ad

Winner: NITK is Happy! Only because of the guest appearances by the Gym Trainer and NC Guy.

## **WORST VIDEO**

Nominees: Discover DASA, Get High This Inci, Inci Mauka

Winner: Team Incident making a travesty of Mauka Mauka.

## **ALOK NATH SANSKAARI NIGHT**

Winner: The Ghanta Awards by East India Comedy.

## **CAN'T GET IT UP AWARD**

Winner: Orange Tower Lift.



# INTERVIEW

## Bienvenue à l'Inde

### Tell us about yourself.

Hi, I'm Ronan. I was born and brought up in Paris. I moved to Lyon after my high school to study engineering at ECAM Lyon. It's a much smaller institution when compared to NITK. There are hardly 300 students per batch.

### Why engineering?

Honestly, I wasn't really sure! I was good at Math and Science, and so it came down to either engineering or medicine. Medicine can be very demanding, so I settled on engineering finally. The course I am pursuing is different from what people do here. The name of the degree is 'ingenieur generaliste', which roughly translates to 'general engineering'. We're not part of any one particular branch; we learn the basics of all branches and then choose our specialization either in further studies or in a job.

### Why did you choose to come to NITK?

We had quite a few options in the exchange program, which included Peru, Ireland, Australia, the US etc. My intention was to have an experience which was as different from what I would get in France as possible. I wanted to explore new cultures and places, and I had always been drawn to India. Some of my family members had recommended it to me, although for many in France there is a great deal of mystique surrounding India. We know about it through mostly the food (very spicy!) and the movies!

### What was your initial reaction?

I flew in via Mumbai for the first time, and had a short stay there. One of the things that struck me was how the very rich and the very poor seemed to co-exist; grand buildings right next to slums. It was also very crowded! When I came to Mangalore, the ride from the airport to the college was a little frightening. Things were different for the

first couple of days, but then I got used to it.

### How different are the education systems?

One of the major differences I see is that the emphasis on remembering things is much greater in India – back in France, in our Thermodynamics course for example, we could carry a sheet with all the formulae to the exams. But the style of teaching and the course contents are quite similar.

### Which is your favourite course here?

I really enjoyed both Web Technology from the IT Department and Automatic Control Engineering from the Mechanical Department. Vibrations from Mech was good too, but it was really hard!

### Do you enjoy the flexibility of your course?

Yes, particularly because I wasn't very sure of what I wanted to do. I'm still not! So this gives me the opportunity and time to explore my options.

### How have your interactions with fellow students been?

It's been loads of fun! I usually meet people in the mess or during the classes, and they're

Ronan Le Gall was a French student who came to NITK in the odd semester of academic year 2014-15 as part of the college's exchange program with ECAM Lyon.

This interview was put together by Karan Suresh, III Year, Mechanical Engineering. >>



like to explore the city and its surrounding areas. I don't think I have time for more this time, but I'd like to come back.

**Would you recommend NITK to people back at your college?**

Definitely! If you want a truly novel experience where you interact with such diversity of cultures and cuisines, while still being able to use English to make your way around, India is a top choice.

**What plans for the future?**

I'm really not sure! The system of 'placements' doesn't exist in my college; we have to seek our own jobs. There are some dream companies, like Airbus, that a lot of us aspire to join. Let's see how things go!

**Thank you very much Ronan. It's been a pleasure talking to you. Bonne chance!**

The pleasure is mine. To know more about my college, visit [www.ecam.fr/en](http://www.ecam.fr/en)

always very welcoming. They never let me pay for anything! Bus rides, rickshaw, food – nothing at all! I used to be embarrassed by it. But now I'm used to it.

**What do you think of Indian food? And the mess?**

It's very spicy! There's also lots of variety. In France, there's no such thing as the mess, it's up to us to arrange for our meals. So the mess is convenient here, although it can get very repetitive!



**Where have you travelled in India?**

Apart from Mumbai and Mangalore, I made a trip to Pondicherry with some friends from college, and it was a different experience, especially to meet people from back home after so long! I also travelled to Rajasthan on my own, and I will take back some great memories, and some bargaining skills! 'Zyaada hain' really works.

**Where would you like to go?**

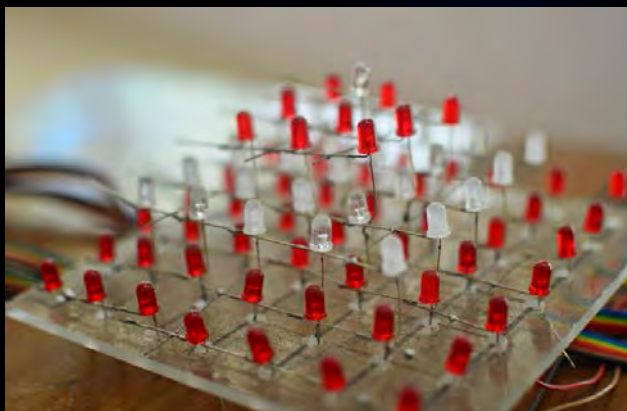
On my way back, I will be travelling through Delhi, and I would





# a journey through the afterdark

NITK is amongst the foremost technical institutes in India and in effect, the technical fest 'Engineer' forms a huge aspect of the college experience. Engineer saw a number of committees coming together to make it big and amongst them, Technites has always held a special place. With over 100 students interested in working for Technites, it was amongst the few committees with two conveners to manage the huge work force. Technites, this time around, had numerous displays and attractions; attractions perfected over years of trial and error (and some still in the process of trial). The psychedelic room was the pièce de résistance for music lovers, where a host of metal fans would sit for hours letting the tunes and lights wash over them. Numerous LED cubes that danced to music,



propeller clocks that tricked your eyes into seeing patterns, and even a disco ball adorned the room. The principal fascination of this room however was the LED wall setup – a gargantuan equalizer

synced to music with a LED woofer and a bass-synced bulb array. The LED wall was brought to life through the efforts of an array of sleep deprived second years and the power tools of the Mech overlords. The wall was so well received that it was featured in a Musical night later this year as well. Much of the wall's allure is attributed to "phosphene", a music-processing library developed by alumnus Shashi Gowda and maintained by our very own Psych Room Specialists Rohit Varkey, Deeraj Ammoga and Shreyas Jain, whose efforts were instrumental in making the wall and the psych room a success. The Technites crew who were especially fond of this room decided to leave the DJ night early on the final day of Engi, and continue the party back here with the beat-synced lights of the wall.

The competition in the Arcade Room was in stark contrast to the sense of relaxation in the Psych room. The former was eternally crowded with people trying to best each other's scores in a multitude of games, ranging from a revamped version of piano tiles controlled by piezo-sensors to the classic space shooter controlled by the Kinect. The intensity in this room was further supplemented by aspiring musicians trying to play the Theremin; some of them so talented that they induced a migraine in everyone near NTB. The quintessential arcade game "Strongman" was well received by the crowd, a little too well received for the likes of our designers, who had to replace the sensors every time a participant got too enthusiastic. The last room was the sound room, which housed a variety of attractions like the Laser Harp and

# TECHNITES



the MIDI Controller, where people tried to create their unique

brand of music. The black light under the Newton's cradle gave the room an early 90s feel. The room also housed "BatRace", a bicycle race where two contestants raced to see who could call out to Batman first. The main attraction here however was The Contraption, a perpetual machine that gave a unique twist to the Penrose triangle from the Engineer logo. Realized through the efforts of a lot of overzealous juniors, the foresight of the Mech joint-convenor Abhinav Borah and the creative genius of Gaurav Yadav, it was one of the biggest pieces of mechanical marvel in Technites history. Nischal Shukla provided the electronic embellishment that would power this fine beast that had four modular components which, when pieced together, would create an endlessly running mechanical loop.

The Mech crowd also supplemented the musical madness of the Psych room with their very own Rubu's Tube, a fire-breathing beast that was synced to music. The tube was witness to a number of impressed individuals staring in awe as the flames danced to the beats of their favorite songs. For those of us with a flair for defacing public monuments, our LED Graffiti proved to be the perfect practice-tool, as we played with LED spray paint on a screen.

"Blitzkreig", our very own rendition of laser tag, experienced a huge revamp this year owing majorly to the efforts of Rishyashring Iyer, Arya Aishwarya and Priyadarshini, a bunch of electrical students who toiled day and night to perfect the design of guns, the bombs, the vests and all the accoutrements that were required for its successful functioning. Blitzkreig saw so many participants that it was impossible to accommodate everyone in the 4 days that it ran.

The one thing that set apart the Knights of the After-Dark this year was their signature arc-reactors. The Technites core walked around with the glowing arc strapped to their chest giving them a unique sense of power and responsibility. The arc also served as a free pass to those of us who were too lazy to wait in line and wanted access to the stage during the Engineer concerts.

However, there's more to Technites than just the arc reactor, the wall, or the contraption. My journey in Technites began two years ago. As a second

year engineer who hadn't had any taste of actual hardware, Technites seemed a place of magic on printed circuit boards. Working for Technites gave me an opportunity to learn a plethora of interesting and handy hacks that I would have never learnt in class. Involving myself in Technites work was the first time I actually felt like an engineer. The interaction with seniors, suddenly finding myself in the deep waters of electronics, the tight deadlines and the resource crunch in terms of components all helped me grow as an engineer and as an individual.

Technites has been more about the journey than the destination. The pre-Engineer work starts at the beginning of the semester for many and earlier for some of the core. A very creative atmosphere exists in the Technites room with people bouncing ideas off each other all the time. Some of our most radical displays were results of idle banter in the Technites room. The innumerable Night Canteen treats during the entirety of the pre-Engi month help strengthen the bonding amongst people of various branches and years, and also serves as an incentive to pull an all-nighter when deadlines are to be met. Working for Technites is such an amazing experience that ex-members from three years back still visit the NTB to witness Technites in all its glory. As one of the second year students observed this time around, there were 5 generations of Technites conveners just sitting on the roof and staring into the stars after a long tiring day at Technites.

Before concluding, I would like to say that it isn't all about work among the Technites crew; with the "bad movie tradition", the numerous trips and the endless treats, Technites truly is a family. Technites fosters an atmosphere of learning and many of us have picked up useful skills, not only of our branches but of others as well. This coupled with the sense of camaraderie and brotherhood that exists in Technites makes it one of the best places to be.

The words of a convener sum it up best – "Divided by branches, united by Technites."

An article by Amit Raj,  
Final Year ECE, Convener,  
Technites at Engineer 2014







# FOUR-YEAR PLAYLIST ▶▶

## *My Time at the Music Club*

For any student, reflecting on four years in NITK would bring back memories of activities, friend circles, events, trips and experiences, and one wonders what really defines the time one spends in college. Change is inevitable, good or bad, but during my time at the NITK Music Club, I have never witnessed change so apparent and quantifiable, and yet so silent and stealthy in its means. When I sit back during the trailing end of this final semester and let flashes of my college life run through my mind, I realize that my time here has been, in fact, a four-year long playlist.

There is something about the Music Club that is much purer and more honest than anything else

I have pursued in college. At times, the process of experiencing and recreating music can feel like the most primitive of tasks; at other times, it feels like the most complicated of sciences. Words cannot express the immense effect that being in a fraternity of talented and dedicated musicians can have on a person. My years at the club have been a time of self-improvement, exploration and great self-discovery. I have been exposed to several new ideas, interests and exchanges and I stand now, after four years, having learned three new instruments and experienced entirely new worlds of music.

In the eyes of the college junta, we might mostly be about the musical nights organized every semester with the odd college fest here and there. The true magic of the music club, however, lies in the jam room. We operate out of a small, quaint room at the SAC amidst a clutter of rusty instruments, tangled cables, and fuzzy amplifiers, but in this tiny room echoes the spirit of generations of students strumming and drumming away to achieve true musical harmony. Musical performances aside,



the jam room has been a backdrop for some of the most heart-warming tales of determination, persistence and success. History has been written and rewritten within these four walls and every jam has reached a point where musicians achieve

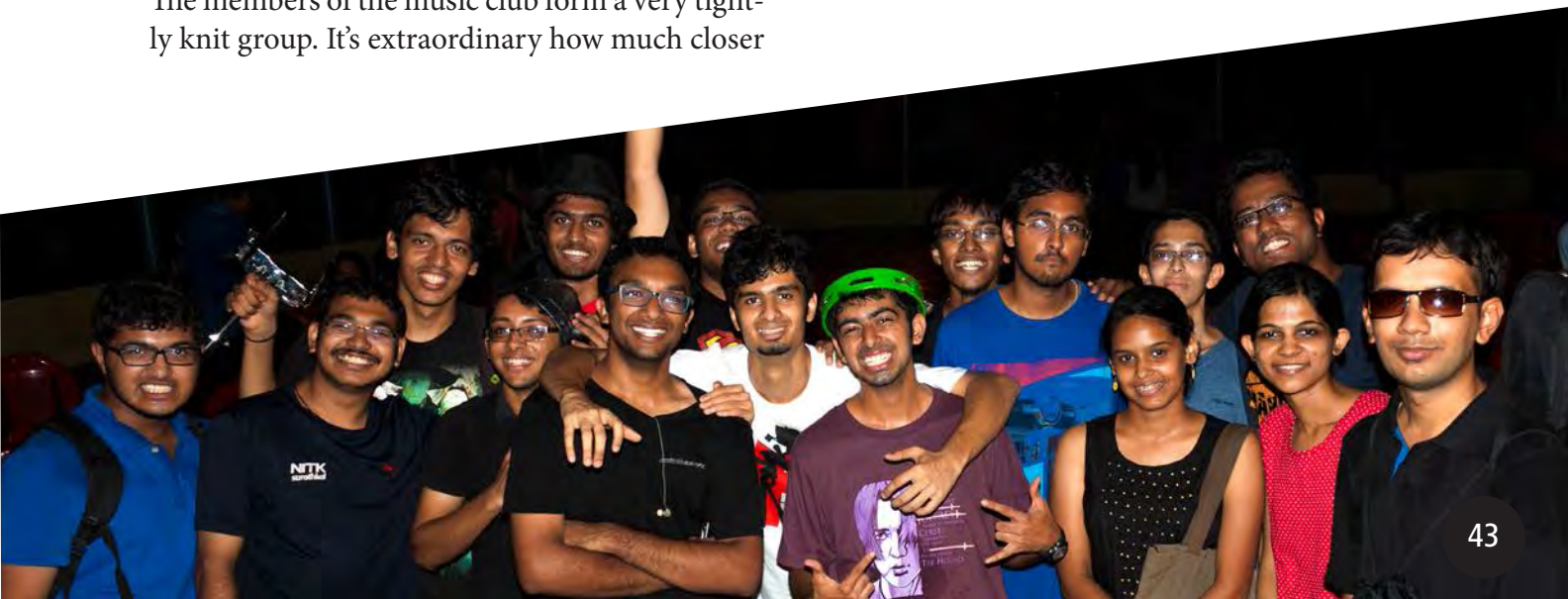


that euphoric point of perfect unison. I maintain that the best part of a musical event is the preparation that leads up to it. Bands work out their kinks while other members sit out in the darkness, listening and analyzing. This is easily the most common scene witnessed by the club, and it's where our true power lies.

The members of the music club form a very tightly knit group. It's extraordinary how much closer

you feel to others when you're in a band. An interesting example of Music Club tradition is our annual trip. We make the same even semester trip to Gokarna every year with the exact same agenda. My father always asks me as April approaches, "Why don't you go somewhere new this year? Why visit the same place?" I answer him mumbling about how it's tradition and how we never get tired of the place. He remains unconvinced, but I can't help it because it's not easy to explain how the same trip every year is in fact completely different every time. There are new batches, new people and new experiences. We may catch the same train, hire the same cab driver, and even eat the same food. But the new songs we sing and the fresh conversations we have always surprise me.

Even in the short span of four years, people develop a strong bond with the club – a bond forged in music and strengthened by camaraderie. Performing for a college crowd, no matter how small, leaves a large imprint on one's memory and every song that you're a part of holds a special place, from the hesitant and uncertain first jam to the time you relive the moment on a shaky phone video. So when I close my eyes and play back my four-year playlist in my head, I still pause and smile at every odd drum beat and every upstroke of the guitar, because every moment counts.







# SchoolEngg

Educate. Propagate. Rejuvenate.

Article by Harsh Kumar, Final Year, Civil Engg.

We go around talking a lot about the flaws in our education system and things that need to be changed. But to actually make a difference, it is crucial that we talk less and do more. If we look at the scenario at pre-university level, Indian students face one of the toughest exams to get through the walls of elite engineering institutions. I believe that the scientific temper and knowledge of Indian students at this stage, is at a much higher level than that of their counterparts in other nations. But four years later, the story is totally different. Most Indian students lose their previous scientific temper, and this is reflected in their performance in and after university. There are several cases of deviation from the streams they have chosen. When we tried to analyze the situation, we found that the main cause for this is the puzzled state of mind that students enter college in. Most are completely ignorant about the stream of engineering that they choose. If you look closely at the

state of students who are going to take up engineering, you see that despite burning the midnight oil to clear entrance exams, most never give a thought about what follows. Choosing a branch and a college just becomes a rat race and students just follow the herd as they are ignorant about what follows. Here, SchoolEngg took the first step to lessen the burgeoning gap in our educational system. Founded by six members, we started out as the flagship event of ASCE NITK chapter. Through seminars in various schools, we acquainted students to what engineering actually is by telling them about different engineering branches in an innovative manner. We picked up interesting examples of how engineering is actually applied around us and attempted to bridge the gap between what they were learning and what they would learn in engineering. For instance, we explained the concepts of Electronics by citing the example of the well-known game *Temple Run*, and Civil Engineering by elaborating on why there are

stones under railway tracks and why toilets have a U-shaped bend. This creates clarity in the minds of the students beforehand. If every student takes up a stream for further studies according to his/her interest, then our society will have a great chunk of people who are passionate about what they are studying. This will bring about a paradigm shift in the quality of education in India.

The reach of the *SchoolEngg Show* today spans across the states of Karnataka, Rajasthan and Bihar, and we have even gone international with a session in Kathmandu, Nepal. Started merely as a club activity, SchoolEngg was then covered by esteemed media-houses like The Hindu and The Times of India after completing a year and a half of existence. What has kept us going is the warm reception that we have got from the school students.

We didn't stop here though. In December 2014, we released our first newsletter for students at the pre-university level. The newsletter comprised of gen-

eral know-how about different colleges, their entrance exams and expert answers to frequently asked questions. It also had a section where we showcased innovative projects done by students. At the end of the newsletter was a section called *Gyan Space*, where we highlighted the stories of successful students to motivate the youngsters. Our goal with the magazine is to create a link between what happens within the boundaries of a college campus, and the students who aim to get there. After working at the pre-university level, we soon realized that to create a greater impact on the education system, we have to spread our reach to students of lower classes. So recently, we conducted *The OutBoxers*,

an inter-school science, aptitude and logical thinking quiz competition for classes VIII and IX. Around 1300 students from different schools in Mangalore participated, and their feedback told us that they thoroughly enjoyed the fact that the questions weren't direct and that the answers could be deduced on stage itself by applying what they had learnt. In the future, we plan to introduce *The Open-Up Initiative* which will be our attempt at polishing the overall personality of students through a 3 week workshop conducted in their holidays. Students will be exposed to basic skill development programs that are absent in their curriculum but are nevertheless necessary and beneficial.

A mobile app that is currently in the works aims to connect the three major stakeholders of any educational institution – students, teachers and parents. The app would allow students to connect with each other and access convenient educational tools. It would feature a real-time doubt discussion forum, parent-teacher interaction, and a doubt-tracking mechanism for revision. Be it any of our products, we at SchoolEngg have constantly strived to bring Indian students at par with any other in the world. And thanks to the sparkle that we see in their eyes, we vow to continue to try and make a difference in this space even after we graduate from college.

Founded by students from NITK's Civil Engineering department, SchoolEngg is an initiative that aims to reform education in India. The team can be contacted at [schoolengg2013@gmail.com](mailto:schoolengg2013@gmail.com) or 8105532937.





# In Focus

An article by Dr. Rajesh Acharya (Dept of HSSM, NITK)  
and Dakshesh Thacker (III Year, Dept of EEE, NITK).

Dr. Rajesh Acharya is an Assistant Professor in the Department of Humanities, Social Sciences and Management. His forthright answers and enthusiastic lectures have endeared him to MBA and B. Tech students alike. Dr. Acharya's interest in Economics dates back to the late 1990s when prices of plantation crops like areca nut saw a steep rise followed by an ignominious fall. Those were the early days of economic reform. Dr. Acharya was held by the desire to understand the intricacies of economics in his high school days and decided to pursue a Masters in Economics. When he received the opportunity to enrol in a PhD, he preferred to work on something related to financial markets. He wanted a data-rich environment that would provide him the flexibility that is difficult to achieve in many areas of core economics. With this in mind, he worked on the market microstructure of capital markets with reference to the National Stock Exchange of India (NSE).

Anyone with a basic understanding of economics can tell you that it

is the interaction of supply and demand that determines the prices of a commodity. However, the institutional structure within which these forces of demand and supply operate plays a major role in translating the latent demands of individuals into transactions. Capital markets all over the world have undergone significant changes in their structure over the years. The shift from floor based to screen based trading, the introduction of internet trading, the birth of new instruments like futures, options, exchange traded funds etc., and high frequency trading based on algorithms are redefining the rules of the game. In his study, Dr. Acharya examined the impact of these changes on information efficiency and the implicit transaction cost of trading in NSE. He found that the transaction cost has declined over a period of time but information efficiency has not shown any such improvement. After his PhD, he worked on issues relating to stock split, impact

of institutional investment on the market, and the herding behaviour of foreign institutional investors. Currently, he is working on a project related to the impact of intraday trading on market quality. Of late, he has started diversifying into issues related to energy and investment at the firm level.

Despite his activeness in the stock markets, Dr. Acharya is a strong advocate of academia. He believes that academia is the only profession where you get paid to read and do research in fields that you love. He admits that another factor which may have prompted his dive into academia was the fact that the global economic crisis of 2009 coincided with the completion of his PhD. After finding that many of his friends were out of work, he decided to take a loss-averse strategy towards building his career. He did however briefly work with Deloitte Touche Tohmatsu



Limited, where in a brief span of 4 months, he made significant contributions to a credit risk modelling project. He says, "It was enjoyable in the beginning, especially the review meetings, planning for the coming week, discussing the problems encountered etc. But as the project was nearing its completion, some of these things were becoming predictable. Despite that, it was a good learning experience on the meticulous and timely nature of completing clearly-defined tasks."

As life expectancy increases and job expectancy decreases, saving and investment become extremely important. It is even more important given the nature of modern day nuclear family structures, and the commercialisation of basic services like health and education. "The best way to learn about investments is by doing them. Nothing teaches us better than losing money", he quips. However, a basic understanding of functioning of the financial market is necessary because hundreds of new investment products come to the market every year and attractive advertisements entice us to invest. A clear understanding about these products is imperative because many are inefficient

from an investment point of view. It is always better to start investing early as the effect of compounding magnifies the end period wealth.

The Stock market is an avenue of investment that we cannot overlook. In spite of several booms and busts, stock markets provide better returns compared to other traditional investments. There is nothing better than cultivating the habit of investment during student life and continuing it when one starts earning. If one survives a complete cycle of boom and recession in the market, it signals that one is here for the long term. He remembers the financial crisis very well, when investments made out of his little savings of fellowship money fell by more than 50%. But an understanding about the situation and an expectation of what was going to come helped him invest even during that period, instead of panicking and exiting the market. A thumb rule in investment is, "invest in instruments that you understand".

When asked about the scope of careers in economics or finance without an MBA, Dr. Acharya said that the basic requirement for a bright career in economics and finance is good analytical skills. Some degree or certification may be helpful in getting acquainted

with

the subject, although it is not absolutely essential. He cautioned those wanting to switch from their core area to finance or economics that it is important to first check if one is genuinely interested. One's analytical skill will be an added advantage but it is not an end in itself. Ultimately, how good one is at finance or economics decides your success. The glamour and aura associated with these fields are only on the surface; at the core of this profession is painstaking number crunching. If one has a feel for numbers and enjoys playing with data, this is a tailor-made profession for them.

The basics according to him are available in the core course offered at NITK. It is an introduction to the broad area of economics and finance, through the concepts of micro and macroeconomics, rate of return and evaluation of alternatives in investments. It is at the very least a useful starting point that helps students in making a decision about taking up a career in these areas.

On being asked about his personal background, Dr. Acharya was remarkably candid about his humble beginnings. He comes from a rural agricultural background, and his parents in fact still practice agriculture. If he had to rank his most preferred professions purely based on interest, agriculture would still rank first.





# Clouds

Nikhil Vagga  
II Year, Mechanical Engg.

I wish I could be you  
So carefree, so very new  
Roaming over the world  
Whichever place and whatever pleases you  
Without a care, without a thought  
You watch over hills and valleys  
Forests and rivers  
You neither stumble, break nor budge  
No matter what we do  
Always adding beauty to the sky  
With shades of white wherever blue  
So big that you are, yet so small you seem  
You don't compete, you don't envy  
Just floating freely watching down below  
With your friends and foes all alike  
So distant you seem to be  
I know I can never reach you  
Why are we so different?  
I wonder if I could ever be you my dear cloud  
So carefree, so very new  
Why should I not be as simple as you?  
And yet live a beautiful life like you do.

# Findings of the lost

Keerthan Shagrithaya  
I year, CSE (S2)

Findings of the lost  
Lift me up from this sober life,  
with your sweet voice unheard.  
Revel me in the joys of strife,  
unknownst to the world.  
Set sail across the river of mirth,  
to reach the banks of fame.  
For inevitable is the gift of birth,  
to strive is in our name.  
When the light is hidden behind the dunes,  
Sighted all around are ruins,  
Hold my hand so together we fly,  
Above it all into the sky.

# Let It Be

Sumashini P S  
Final year, EEE

Overcast skies adorned the shore that morning,  
When she smiled to herself and wondered,  
Who had painted her mind up there,  
On the enormous canvas of blue.

Right and wrong had become an illusion,  
And good and bad mere delusion.  
While she chased things she had no control over,  
She turned blind to things she could see.

Time had introduced words very new,  
While it rendered obsolete a few.  
She wondered if a jet propelled time,  
For, only time could teach how to catch up with  
time.

When the sun did rise,  
She learnt to let it be.  
Acceptance is no easy virtue,  
When one's ego stands mighty and true.  
Somebody had to break in,  
Make her see for herself,  
For ego to leave suddenly, unannounced.

Finally, when the clouds cleared away,  
They seemed to say,  
Let it be,  
For, this too shall pass.  
An ounce of courage one shall amass,  
After every time one falls.  
Let it be



# The Reflection

Anusha H Lakkavalli  
II year, Civil Engg.

When I look into the mirror,  
She stares back with searching eyes.  
Why is my reflection,  
Someone I cannot recognize?

She had the best life one could have,  
With success in everything she tried,  
Then why do I see pain in her eyes,  
Why does she feel so hollow inside?

She always made the funniest comments,  
She had always won every debate,  
She was always right, was she not?  
And triumph stood guard at her gate.

Then why was there no one  
To hold her hand when she was in need?  
Why does emptiness choke her now,  
Infect her like a poisonous weed?

And then I see her eyebrows raise  
The realization had finally struck,  
Truth stood plain and clear now,  
These were blows from which she couldn't duck.

And as I looked into her wet eyes,  
I realized I had come to a dead end,  
For though I had won every argument,  
I had ultimately lost in life, and was left with not  
one friend.



# By the Shore

Naresh V  
III year, CSE

On the western horizon, the sun carved a red scoop,  
The sky was laced with an illumined cloudy troop;  
A warm and moist breeze blew lazily around;  
Birds were returning, and anywhere found;  
Many gusts of winds and waves of the sea did pass:  
These were all I saw in the company of the lass.

As though the day was by heaven ordained,  
The fleecy clouds merged and gently rained.  
From the soil a sweet clover fragrance part;  
Our old togetherness akin to da Vinci's art.  
A new fulfillment pervaded, quenched the longing  
And enthroned between us the feeling of belonging.

Along the shore, a walk intentionally slow;  
Our footprints washed by the ocean's flow.  
Smiles that lingered even during moments of silence:  
Smiles free to last; broken was then the fence.  
Her familiar voice revives memories pleasant,  
Time flew by, the moon had risen in a crescent.

A gem of a smile amidst the smooth blush on her face:  
But for her, all the rest had vanished from that place.  
Like the stars to the sky, held on we for so long  
And now bask in the melody of our own love's song.  
Among all events from cold January to colder December,  
On that warm day chanced a (slow) walk to remember!



The searing sun bore down on us that harsh summer evening as the two seventh graders stared each other down. Their respective acolytes stood behind them, watching the standoff between the famed rivals. Kaushik began to stir, his heavy jowls shook and flecks of spit flew from his mouth with every syllable he uttered.

“I get it, you’re scared, Rohit, and a useless bachchu like you should probably just scoot off and find some other park to play in. You’re a no-good batsman and an even worse bowler and I pity the sycophantic brats who you think care about you.” A steady audible hiss went up from the gang behind him. Kaushik had hit Rohit where it hurt. Rohit’s reedy hand gripped his bat even tighter and he adjusted his glasses. He was not going to utter a word. Kaushik had him on the defensive and to say something foolish was to lose respect in the playground. He would not have himself meet his end at the hands of this trickster. Kaushik had a way with his words, but his bite matched his bark

## *One Week Later And Two Test Days Later*

The match was surprisingly close. Kaushik did indeed have the better team on paper, but Rohit was the better strategist and had cleverly used the grassy, sandy, pitiful excuse for a cricket pitch to his advantage and steadily hacked away at Kaushik’s formidable batting line up. He had used his bowlers well and his ace in the hole – Sohail, who in a remarkable twist of fate was allowed to play by his mother instead of studying for his 7th grade board exams, had battered the very best in Kaushik’s arsenal. Nevertheless, we were all tired; the hot sun, Mumbai’s deathly humidity and the dry, painful grass chipped away at our morale and no amount of Frooti treats by Rohit could alleviate the pain we were now experiencing. Twenty-two runs to win with one over left. The

# THE GAUNTLET

and he had a mean square cut that the very best bowlers feared.

Kaushik grinned amidst the din; it would seem that he was bound to get the best of this stand-off. He stuck his empty, flabby right hand out and spat, “So what do you say Rohit? Are you up to the challenge?”

And there it was, the gauntlet had been laid: a three-day test match between the legends of Old Park. The other sixth graders and I huddled together, our hushed murmurs rising to a disturbing din. Rohit wiped a bead of sweat off his forehead and let his eyes drop to his feet. To accept the challenge would mean to stake his reputation on a gamble – Kaushik had amassed the best batsmen in his posse – but to back down would mean to lose face in front of the juniors. The clarity of the decision to be made was apparent to us all. Rohit grinned in his characteristically odd way, stuck out his veiny hand, and shook Kaushik’s. “Fine. Winner buys the other team vadapavs.”

kind of score that would seem a challenge in conventional ODIs was a state of normalcy within the confines of the Old Park. Kaushik stomped his way to the batsman’s crease, sweat dripping off his double chin. He had scored a half-century and no bowler had fazed him. Perhaps the fear of losing face in front of his obsequious chamchas was what kept him going.

I gazed down upon my calloused, leathery hands and my muddy, sweat-drenched clothes. Amma would not be pleased with me, to say the least. I would have to hide the spatula before she saw me in my tattered attire. I heard Rohit calling in the distance.

“Kevin! It is your turn to bowl. One mini-over and then Sohail ok?”

I gasped and my puny sixth-grade spine ran cold. I was merely a placeholder in the team, a way for Rohit to fill his ranks, why would Rohit choose me of all people? My vision ran a little blurry as tears began to well up in my eyes. This was not what I



had signed up for. Suddenly, the sharp sting of a pinch on my shoulder awoke me as I looked up into Rohit's looming figure.

"Do not lose this match alright Kevin? Otherwise I'll have to speak to you behind the Bridge Hill later". Rohit grinned maniacally and sauntered off. Well, that motivation would suffice. No junior liked to attract extra attention to himself lest the seniors take a sudden interest in bullying him. I grabbed the rubber ball and made my way behind the wickets.

The next three balls went by in a blur for me and I shamefully dragged my ankles back to my fielding position at the boundary and tossed the ball to Sohail who scowled at me. Two sixes and a four. My actions had pretty much condemned the team and especially Rohit, to ignominy. I began to consider possible escape routes through the hedges before Rohit grabbed me and flayed me alive. Maybe this was all a conspiracy to...

The ball flew from Sohail's hand with an incredible velocity; it pitched at half the length and bounced to Kaushik's face. These were the streets you see, and we played it rough. So when the ball rocketed into Kaushik's face, he merely shook his face (his fat flying behind his skull as they swung back and forth) and steadied himself at the crease. Sohail's second ball bounced right at his feet, a Yorker that almost ended Kaushik's unbeaten reign at the crease. Almost.

Six runs. One ball. The best batsman the kids of the colony had seen squared himself off against the 'white lightning'.

Sohail dug his legs into the ground, the sand fly-

ing at his feet, and launched himself at the wickets. His fluid stride and steady hand betrayed the focus with which he now conducted himself. He launched himself in the air, bringing his sinewy arm around in a large arc and released the ball. To this day, no sixth grader has professed to having actually seen that particular delivery mid-flight. So fast did it fly and so stealthily, only the very best could handle it. And Kaushik was the very best.

He skipped forward with his feet and swung the bat in a Bradman-esque manner, with both great finesse and incredible power. The ball made contact with the centre of the bat and soared through the air. I followed its parabolic trajectory, as it traced a lazy arc across the sky when I suddenly realized the ball was heading in my direction. As I stepped back to position myself below the ball, my foot grazed the edge of the sandal that marked the boundary. I had crossed the boundary and if I caught it where I stood, they would win. I saw then that there was only one way I would be able to make the catch. I leaped for it, with all the grace of a pregnant hippo and stretched out my hand, and like an absolute amateur, I closed my eyes.

Something hard and round slapped into my arm and I fell forward, the ball in my hands. I had done it! I had delivered the team and saved the day! I, a mere junior, had achieved what many greater than me had sought to do: I caught Kaushik's shot! I cheered, whooped, and celebrated with my teammates until they parted in front of me and I saw Kaushik rushing at me. His enormous arms swung the bat at me and I saw no more.

## *Epilogue*

When I woke up, Rohit handed me a cold ThumsUp and lifted me from the ground and I slurped it in happily as I sat next to him. I had won favour from him and I could leverage that for a while. He would not be having a stern word with me behind the Bridge Hill. The day was colder now and the summer could not have been better.

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This story by Kevin Anilson, Final Year Mechanical Engineering, was adjudged the winner of Fiction Fortnight #16 on the NITK Amateur Writers Facebook Group.



# COMPUTATIONAL NEUROSCIENCE

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The human brain is an information processing machine. In comparison to other organs of the human body, the brain distinguishes itself by its size, complexity, and in being extremely labile. The unit responsible for transfer and processing of sensory, motor and cognitive information in the brain is called a *Neuron*. In other words, neurons are responsible for our senses, movements, and thoughts. The adult human brain contains around  $10^{11}$  neurons. Each of these neurons make around 1000 –10000 connections. Overall, the adult human brain is a network of around  $10^{14}$ – $10^{15}$  connections. The brain is an extremely labile network with neurons making and breaking connections in time spans as small as a few tens of seconds. To understand the human brain is to be able to explain brain functions in terms of operations in this *Neural Network*. An artist's impression is shown in Figure 1.

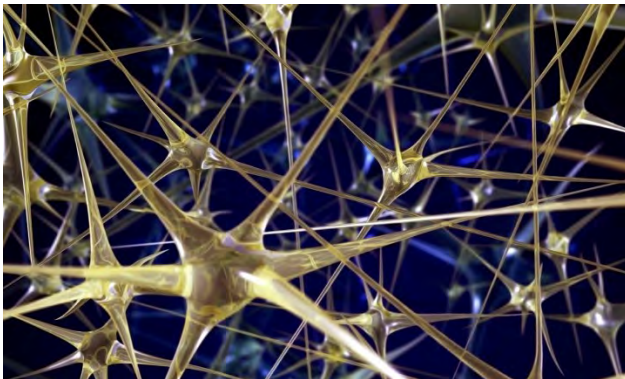


Figure 1: An artistic impression of the network inside the human brain.

Continuing the discussion from the previous paragraph, the generic question “how does the brain see?” should be rephrased to “how does the network of neurons in the visual processing areas of the human brain transduce the optical image that falls on the retina to identify the form, color, texture, objects, etc. of the image?” The answers to these questions are best clothed in the language of mathematics which is the primary preoccupation of the science of Computational Neuroscience.

Fueled by the advances in physics and physiology, a physics-based understanding of the human brain began to take shape in the later half of the 18<sup>th</sup> century. It was found that nerve signals were

electrical in nature – not very different from signals in an electrical circuit. Finer microscopes revealed the peculiar hairy morphology of neurons and presented the brain as a network of neurons. Advances in neurochemistry, neuropharmacology, and neurophysiology unraveled how neurons *converse* among themselves using chemical signals.

The following section provides a widely accepted definition of the term “Computational Neuroscience”. The structure of the neuron is introduced in the succeeding section. The section on receptive fields illustrates the concept with an example. Using the idea of receptive fields, the article presents a very brief introduction to the three categories of computational models used to understand the behavior of neurons.

## Computational Neuroscience

The goal of computational neuroscience is to explain in computational terms how a brain generates behaviors. Computational models of the brain explore how populations of highly interconnected neurons are formed during development and how they come to represent, process, store, act on, and be altered by information present in the environment (*Churchland and Sejnowski, The Computational Brain. Cambridge, MA: MIT Press, 1992*). Computational neuroscience provides tools and methods for characterizing what nervous systems do, determining how they function, and understanding why they operate in the way they do (*Dayan and Abbot, “Theoretical Neuroscience: Computational and Mathematical Modeling of Neural Systems”, The MIT Press, 2005*).

## The Neuron

A neuron is an electrically excitable cell that can process and transmit information. A neuron has rich and elaborate wiring emerging out of its body. The wiring, called *soma*, is responsible for transmission of information through electrical and chemical signals. A chemical signal occurs via a synapse, a specialized connection with other cells. A number of specialized types of neurons exist: sensory neurons respond to touch, sound, light and numerous other stimuli affecting cells of the sensory organs that then send signals to the

spinal cord and brain. Motor neurons receive signals from the brain and spinal cord, cause muscle contractions, and affect glands. Interneurons connect neurons to other neurons within the same region of the brain or spinal cord.

A typical neuron possesses a cell body (soma), dendrites, and an axon. Dendrites are thin structures that arise from the cell body, often extending for hundreds of micrometres and branching multiple times, giving rise to a complex “dendritic tree”. An axon is a special cellular extension that arises from the cell body at a site called the axon hillock and travels for a distance, as far as 1 meter in humans or even more in other species. The cell body of a neuron frequently gives rise to multiple dendrites, but never to more than one axon, although the axon may branch hundreds of times before it terminates. At the majority of synapses, signals are sent from the axon of one neuron to a dendrite of another. The structure of a typical neuron is presented in Figure 2.

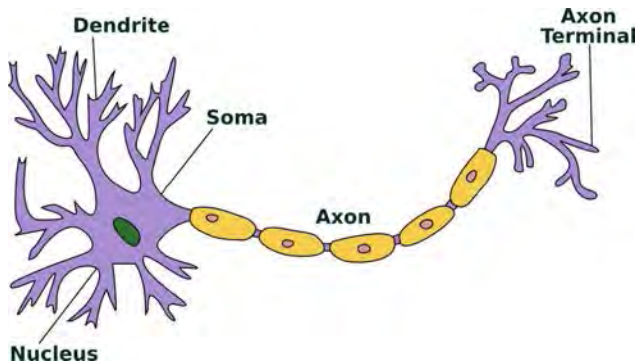


Figure 2: Structure of a typical neuron. (Wikipedia article on Neuron.)

All neurons are electrically excitable, maintaining voltage gradients across their membranes by means of metabolically driven ion pumps, which combine with ion channels embedded in the membrane to generate intracellular-versus-extracellular concentration differences of ions such as those of sodium, potassium, chloride, and calcium. Changes in the cross-membrane voltage can alter the function of voltage-dependent ion channels. If the voltage changes by a large enough amount, an all-or-none electrochemical pulse called an action potential is generated, which travels rapidly along the cell’s axon, and activates synaptic connections with other cells when it arrives. An illustration of the signal propagating down an axon to the cell body and dendrites of the next cell is presented in Figure 3.

## Computational Models of the Brain

The computational models of the brain are classi-

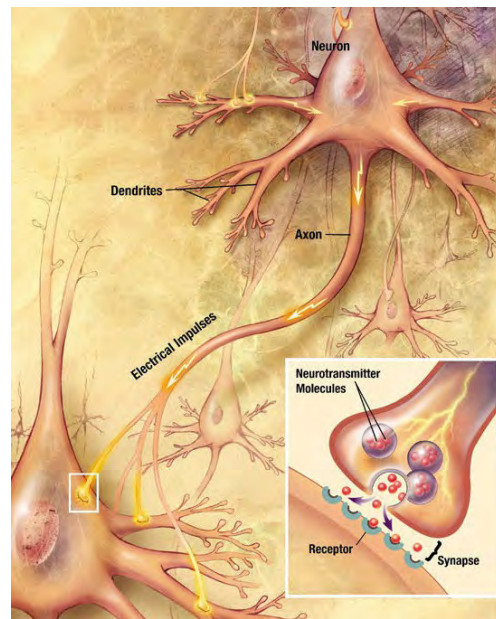


Figure 3: A signal propagating down an axon to the cell body and dendrites of the next cell.

fied into the following three main categories.

**1. Descriptive Models** quantitatively describe how neurons respond to external stimuli with a neural *encoding* model. On the other hand, a *decoding* model is used to extract information from neurons recorded from the brain. Such decoded information can be used to drive and control a prosthetic hand, for example. Decoding models are important in the areas of brain-computer interfacing and neuro-prosthetics.

**2. Mechanistic Models** of the brain try and simulate the functions of an individual neuron or a network of neurons on a computer. The Human Brain project in Europe and the Brain project in the US are examples of projects

**3. Interpretive (or Normative) Models** describe why brain circuits operate the way they do. The primary goal of an interpretive model is to describe the computational principles underlying a particular brain circuit.

## Receptive Field

The concept of receptive fields are central to understanding descriptive models of the human brain. A *receptive field* indicates a set of specific properties of a sensory stimulus that generate a strong response from the cell. Consider the following sensory processing experiment on cats from 1960s by Hubel and Wiesel (*D. Hubel and T. Wiesel. Receptive fields, binocular interaction and functional architecture in the cat’s visual cortex. Journal of Physiology 160:106-154. 1962; David H. Hubel and Torsten N. Wiesel. Brain and visual per-*



ception: the story of a 25-year collaboration. Oxford University Press US, 2005).

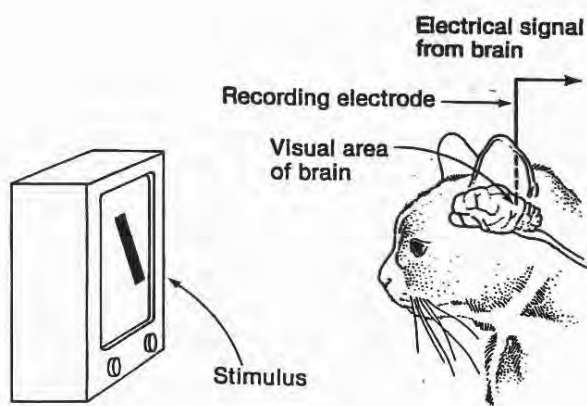


Figure 4: Illustration of the Hubel and Wiesel cat visual sensory processing experiment. ([http://rucss.rutgers.edu/~ikovacs/SandP2000/c\\_fig5.jpg](http://rucss.rutgers.edu/~ikovacs/SandP2000/c_fig5.jpg))

A microelectrode was inserted into the primary visual cortex (area of the brain that receives and interprets visual signals) of an anesthetized cat (Figure 4). Patterns of light were projected on a screen in front of the cat. Some neurons would fire rapidly when presented with lines at one angle, while others responded best to another angle. Consider three possible orientations of a bar of light as shown in Figure 5. The left hand side of the figure shows the bars of light and the right hand side represents the responses of the brain cell observing the bar of light.

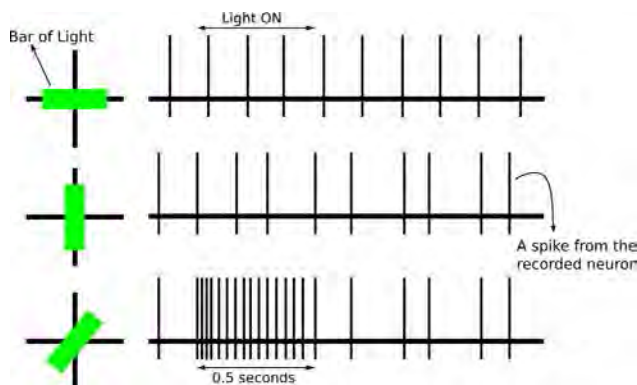


Figure 5: Spikes generated from different bars of light in the cat's visual cortex. Receptive field of the cell is a bar of light slanted by 45 degrees.

In the first two instances of the experiment, when the bar of light is either horizontal or vertical, there is not much response by the cell. It is denoted by the spaced out 'spikes' on the right hand side of the picture. Consider a cell that responded

the most when the bar was tilted by 45 degrees. The space where maximum spikes are found is the point where the bar of light was at a particular location (at the center of the crosshairs) and at a particular angle (45 degrees). The receptive field of this cell is a bar of light at a particular location, tilted 45 degrees from the horizontal. The receptive field for this cell is represented diagrammatically in Figure 6.

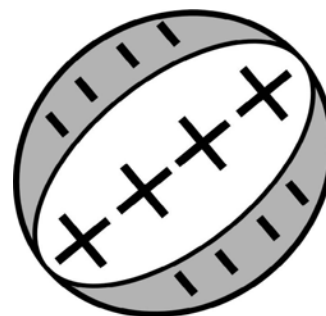


Figure 6: Receptive field of the cell that responds strongly when the bar of light is at a 45 degree angle from the horizontal. The area with the plus sign indicates the area where light is ON and the gray area with the minus sign indicates the area where the light is OFF. It is also called the Oriented Receptive Field.

These studies by Hubel and Wiesel showed how the visual system constructs complex representations of visual information from simple stimulus features. Hubel and Wiesel received the Nobel Prize for two major contributions: 1) their work on development of the visual system, which involved a description of *ocular dominance columns* in the 1960s and 1970s; and 2) their work establishing a foundation for visual neurophysiology, describing how signals from the eye are processed by the brain to generate edge detectors, motion detectors, stereoscopic depth detectors and color detectors, building blocks of the visual scene.

### Descriptive Model of Receptive Fields

To build a descriptive model, consider the case of the retina (Figure 7). An inverted image of an object viewed by the human eye is projected on the retina. A set of cells called *Retinal Ganglion cells* convey the image to other parts of the human brain. Figure 7 shows the results of an experiment to understand the receptive fields of a cell in the retina (right hand side of the figure). Spots of light are shone on different cells on the retina. Results for one such cell are shown in the figure. The spot of light is indicated by the yellow circle. In the first result, the cell responds robustly when

the spot of light is turned on inside the area denoted by the white circle and there is no light in the area shaded gray. Similarly, in the second observation, the cell does not respond when the spot of light is shone in the gray area while no light is shone in the white area.

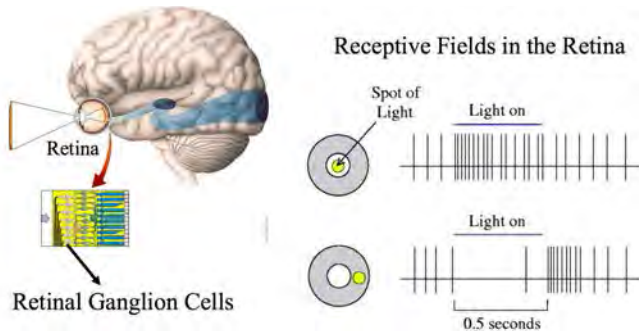


Figure 7: Center-Surround Receptive fields in the retina. (Figure taken from <http://panosgeorgiadis.com/>)

Figure 8 shows the concept of *Center-Surround Receptive fields* in the retina. Based on this concept, on-center off-surround receptive fields and off-center on-surround fields can be defined as shown in Figure. The on-center off-surround receptive field denotes that the cell responds robustly when the spot of light is shone inside the center white area and not in the surrounding gray area. A cell having the off-center on-surround receptive field behaves in the opposite manner.

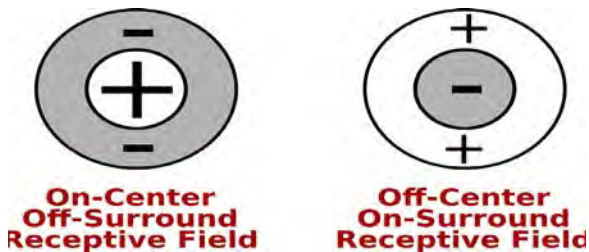


Figure 8: On-Center Off-Surround receptive field and the Off-Center On-Surround receptive field. A spot of light shone in the white area will produce increased activity in the cell. In the cell whose receptive field is Off-center On-surround, a spot of light shone in the ring outside the gray area will produce increased neuronal activity.

The above fields can be observed in the cells belonging to the retinal ganglion. They are center-surround in nature. A few example *oriented receptive fields* from the Primary Visual Cortex of the brain are shown in Figure 9. How such oriented receptive fields are constructed from center-surround receptive fields is the subject of the next section – Mechanistic model of receptive fields.

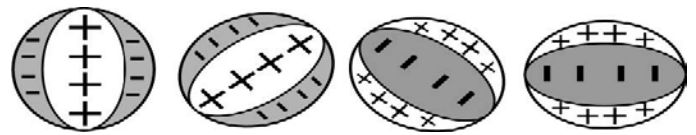


Figure 9: Oriented Receptive Fields observed in the Primary Visual Cortex.

### Mechanistic Model of Receptive Fields

The Mechanistic model describes how the *oriented receptive fields* are constructed using the neural circuitry of the visual cortex. The neuro-anatomy of the human visual system is presented in the following illustration (Figure 10).

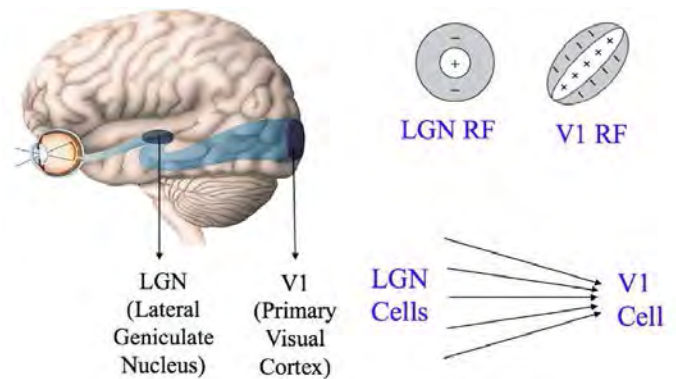


Figure 10: Left: Neuro-Anatomy of the human visual system showing the Retina, LGN and V1. Top Right: LGN and V1 Receptive fields. Bottom Right: Confluence of many LGN cells into one V1 cell.

The visual information processed by the retina flows through the optical nerves to the nucleus called the *Lateral Geniculate Nucleus (LGN)*. LGN receptive fields are similar to the retinal fields and are center-surround in nature. The visual information is finally passed to the *Primary Visual Cortex (V1)*. V1 contains the elongated oriented receptive fields. The question to be answered is how does the center-surround receptive field of the LGN cell change to the elongated receptive field of the V1 cell. As seen from the anatomy, a number of LGN cells converge into one V1 cell. A single V1 cell receives inputs from multiple LGN cells. Figure 11 illustrates the convergence of multiple LGN cell receptive fields into one V1 cell receptive field. All the inputs from the LGN cells feed forward into a V1 cell shaping its receptive field in an elongated oriented manner.

### Interpretive Model of Receptive Fields

Interpretive models attempt to answer questions such as “Why are receptive fields in V1 shaped in an elongated manner?” and “What are the computational advantages of such receptive fields?” An example interpretive model is presented here.



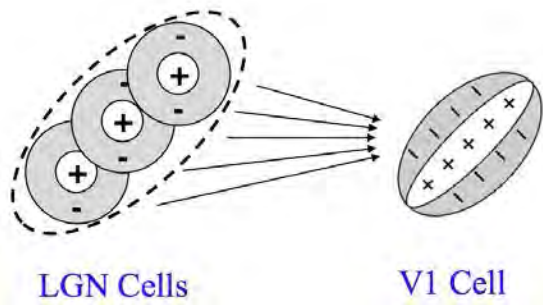


Figure 11: Center-surround receptive fields from multiple LGN cells converge into an oriented receptive field of an V1 cell.

Consider the *efficient coding hypothesis*. The hypothesis states that the goal (of evolution, for example) is to *represent images as faithfully and efficiently as possible* using neurons with receptive fields  $RF_1, RF_2, \dots$ . Given an image  $I$ , and a set of neural responses,  $r_1, r_2, \dots$ ,  $I$  can be reconstructed using a linear combination of receptive fields and their corresponding responses.

$$\hat{I} = \sum_i RF_i r_i$$

The idea of the interpretive model is to identify the receptive fields ( $RF_i$ ) that minimize the total squared pixel-wise errors between  $I$  and  $\hat{I}$  and are as independent as possible. This is done by choosing some random  $RF_i$  and running efficient encoding algorithms on natural image patches. Natural images are chosen based on the assumption that evolution has tuned the brain to watch natural images. Some of the coding algorithms that have been used are Sparse coding (*Olshausen & Field, 1996*), Independent Component Analysis (*Bell & Sejnowski, 1997*), Predictive coding (*Rao & Ballard, 1999*). Each of these coding algorithms give rise to a set of receptive fields that have been optimized to be efficient as well as reconstruct image patches belonging to the natural images as faithfully as possible. Some of the receptive fields learned from the natural images are shown in Figure 12.

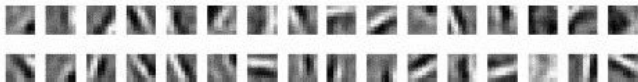


Figure 12: Receptive fields from natural images. They are similar to the receptive elongated oriented receptive fields of the cells in V1 – shown in Figure 9.

The structure in the receptive fields of the images are very similar to the elongated structures in the receptive fields of the V1 cells. Conclusion is that the brain is trying to find faithful and efficient

representations of an animal's natural environment. This principle can also be applied to other sensory inputs such as auditory input signals.

## Conclusion

The article serves as a brief introduction to a few topics in the vast field of Computational Neuroscience. It gives an introductory account of neurons and neural networks and presents a definition of the term “Computational Neuroscience”. The neuron is introduced from a structural point of view and its function is described. The first steps in understanding the behavior of neurons are taken in the form of receptive fields. Receptive fields are the description of properties of the stimuli – orientation and location – as presented to the neuron to produce a strong response. Based on receptive fields, three categories of computational models of the brain – descriptive, mechanistic, and interpretive, have been introduced in the later sections of the article.



## Message from Professor-in-Charge, Training and Placement

NITK Surathkal has a legacy of being one of the top professional institutes in the country, especially when it comes to the placement of its students. NITK students have been procuring excellent placements in reputed companies, some with even international offers. The academic year 2014-15 witnessed excellent placements for our students. I sincerely thank all the companies that came to NITK to recruit our students. NITK students are brilliant academically and are admirable in extracurricular and co-curricular activities. They have been exposed to both technical and managerial skills. The training and placement Department of NITK hopes to make the year 2015-16 also a memorable one from the placement perspective, and will continue its efforts in this direction.

The placement process at NITK Surathkal starts at the beginning of the academic year in the last week of July and continues till the end of the academic year. The Placement statistics for NITK Surathkal for the academic year 2014-2015 prove that it is one among the top technical institutes in the country. Multinational companies like Microsoft, Amazon, LinkedIn and Google have been among the regular recruiters for the students of NITK Surathkal. As on 6th April 2015, 247 companies have registered with the Department of Training and Placement out of which around 240 companies have already completed their Campus recruitment process. The average percentage of placed students across all undergraduate courses is more than 70% as on 6th April 2015 and many core and software companies are yet to visit us for recruitment. The circuit branches recorded an impressive 85% placement with an average salary close to Rs. 10 lakh per annum. The highest salary offered this year was from CODE NATION with an annual package of Rs. 24 Lakhs. The post-graduate programs and MCA programs have also recorded a high level of placement this year which shall increase further by the end of the academic year.

Young professionals from NITK Surathkal have gained immense respect in the industry and our distinguished alumni have established their reputation across the globe. Various training sessions organized by the students, faculty and the Department of Training and Placement ensure that our students are updated about the corporate world and strive to make them world-class professionals. The Department of Training and Placement is fully committed to performing better in coming years and reach higher levels of excellence.

Prof. Lakshman Nandagiri



# Looking back at the year that was...

“Nothing is a truer reflection of greatness than the advent of change.” I believe that NITK stands as a true testament to this old adage. The past year has witnessed the institute grow by leaps and bounds, not just with respect to academics, but also as a catalyst for social change.

In September 2014, the Prime Minister called upon every citizen to be the change they wish to see through the launching of the Swachh Bharat Abhiyan. On the 2nd of October, we at NITK embraced this mission of ‘Cleanliness for all’ as every single member of the teaching and



non-teaching staff, including the Director himself, voluntarily set their hands to cleaning the expansive, weed-ridden road outside the NITK campus. This was a committed step towards the ultimate goal of creating a cleaner India.

Another campus initiative that received whole-hearted attendance was the celebration of National Unity Day on the 31st of October, in commemoration of the contributions of Sri Sardar



V Patel, the “Iron Man of India”. The very same evening, NITK joined 1100 locations across India in a ‘Run for Unity.’ The run, which was flagged off from the Main Building, saw the enthusiastic participation of both staff and students. It was an affirmation of the tangible unity among NITK’s diverse demographic.

There is no pursuit as noble as the inspiring of young minds. In an attempt to foster a spirit of innovation and an interest in technology, the students of NITK organized EngiConnect - an initiative that received my total support. EngiConnect was a science exhibition-cum-competition for school children in and around Dakshina Kannada and Udupi which witnessed the participation of more than 140 teams of School students from standards sixth to twelfth. EngiConnect provided young minds with the perfect platform to create something wonderful. The success of the initiative was a step towards inspiring the future generation of inventors and discoverers. Prizes and goodies were given to all participants, ensuring that every effort was appreciated. Food and refreshments were also provided to the participants and the accompanying faculty. Free workshops for all the participants were conducted.



Think Create ENGINEER 2014, the annual technical symposium, saw an increase in both the participation pool and the plethora of events conducted. When I look back at how Engineer has evolved from merely an amalgamation of the technical events of the student clubs to the formidable four-day technical festival that it is today, it inspires a confidence that NITK is moving in the right direction.

NITK served as a platform for the discussion of synergetic collaborations among all NITs through the NIT Directors' Meet held here on the 29th and 30th of November, 2014. The focus of the meet was to direct efforts towards innovation and research, excellence in teaching, industry linkages and social responsibility - a mission that NITK has pledged its commitment to.

In association with the School Experience in Inter State Living (SEIL) Bureau, NITK hosted an interaction with students from the North-East of the country. These students were given an overview of all that NITK has to offer and a tour of the campus. They were also afforded the opportunity to interact with the North-Eastern students from NITK in an attempt to give them perspective and to inculcate a sense of belonging in the students from the remote corners of India. We all know how a single pint of blood can save not one, but three lives. The NSS Blood Donation Camp saw a large number of students rise up to do their bit with almost 400 units of blood being donated. Seeing our students take up the mantle of social responsibility in this manner was indeed a proud moment for me.

As part of OINSA Inter-NIT tournaments, this year we hosted the Inter NIT Swimming competition for men and women. This event was attended by the best swimmers across most of the NITs. NITK Surathkal was crowned as the overall champion in both Men and Women, thus showing its excellence in all fields.

Incident, the annual cultural fest of the institute, touched new heights this year. It was the first time that both Encore and DJ Night were held in the Main Grounds. For many years, it was my dream to host such a huge extravaganza in our main grounds - a Herculean DREAM that was successfully accomplished this year thanks to our beloved Director Prof. Swapan Bhattacharya who wholeheartedly supported it. Mentoring a dedicated and hard-working team of students was indeed a rewarding experience for me. All this would not have been possible without the timely support of the Deans, all the HODs, Professor in Charge of Hostel Affairs and his team of wardens, Professor in Charge of Training and Placement, and of course our Registrar K Ravindranath and Dy Registrar Y. Rammohan.

The multifarious talents of our students are discovered and encouraged through Spandan - an assortment of intra-college competitions span-



ning the realms of dance, dramatics and fashion. This year was no exception, with enthusiastic participation, especially from the fledgling first years.

This year saw Bharat Darshan transform from a dance-drama exhibition into a cultural extravaganza. It was a beautiful reflection of the seamless way diverse cultures are woven into the fabric of India. Under the star-studded skies of the SAC, staff and students witnessed a fitting tribute to the rich and vibrant history of our Motherland.

I believe it is the well-rounded atmosphere of both relevant curricula and social activities that sets our institute apart. This is why NITK nurtures world-class, professionally-competent, socially-conscious engineers who can not only take India to new heights in technology but also improve the quality of life of our countrymen.

- Prof. Udaykumar Yaragatti, Dean,  
Students' Welfare













# A Home Away From Home

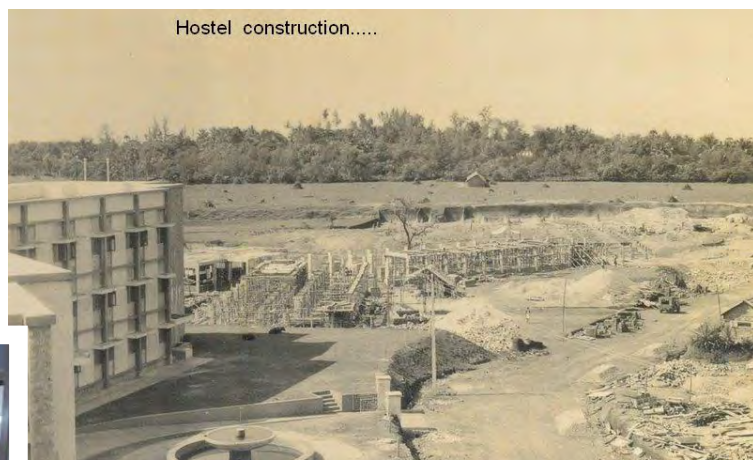
A hostel is a home away from home. Hostel life is a very important part of life where students live away from their family and relatives; they experience a new sense of freedom, and learn the value of community living, discipline and responsibility. Hostel life plays a vital component in the fulfilment of your degree objectives, not only for the ease of access to the academic infrastructure but also for your overall development.

In NITK, there are 15 hostel blocks out of which 11 blocks are for male students and remaining 4 blocks are for female students. There are 11 messes operating in various hostel blocks to cater to the needs of inmates, out of which two vegetarian messes are for girls' hostels and 8 vegetarian messes and one non-veg mess for boys' hostels. Hostel facilities in the campus are being continuously upgraded and the hostel administration is looked after by the Hostel office and a team of 17 Block wardens for boys and girls hostels. The team of wardens and hostel staff ensures that the students engage themselves in creative activities keeping their morale high and make every effort to provide a hostel life where students do not feel homesick. For many students, hostels become the breeding ground for many of their creative activities and learning.

Hostel life is remembered by each student with nostalgic feelings of happy moments which they shared with their fellow colleagues, be it a senior or junior. I sincerely wish that all students have a comfortable and enjoyable future with the maintenance of high levels of discipline, and moral and social values attached to the name of this Institute. Hard work pays rich dividends, so I urge all our students to follow and create their own unique set of values, traditions and ethics.

I extend my heartiest greetings and best wishes to all the hostellers, particularly the graduating students. You are most welcome to provide us with constructive suggestions in the future about how we can maintain a high quality of hostel life in NITK premises. Let us work together for a good future. May god bless you all.

Prof. Narendranath  
Professor-in-Charge, Hostel Affairs



# Exposé

Exposé is NITK's annual photo expo which calls for photo enthusiasts from all over the country to put their best clicks forward. It is held every year alongside Incident and is conducted by the Photography Club. Entries are sorted into various themes such as Street, Landscape, Wildlife, Macro, Astro, Panorama and Portrait and are displayed under the tagline 'Frames'.

The Street photography section shows the beauty of the streets and the common world through a different perspective. Landscape and Portrait, despite being common themes occupy a very important space in Photography. While we observe much of wildlife everyday, its beauty is something that is captured only with the eyes of a photographer and is represented under the Wildlife category. Macro and Objects provide us with a novel viewpoint of everyday objects. Astro combines photography with poems and brings out the beauty of the universe. Panorama refers to any wide-angle view or representation of a physical space in photography. We also had a section displaying photographs by Ashish Langade, an NITK student who has succeeded in transforming his passion into a profession.

Exposé also conducts 'Mood of Inci', a competition that featured a collection of photos of the candid moments of Incident 2015. At the end of each day, we showcased the photos and selected the best three.

Thus, Exposé stands out as an excellent addition to the array of events at Incident while simultaneously calling attention to the finer elements of photography. The event is a blessing for passionate photographers who get to examine pictures and learn minute details of photography, as well as for others who visit the art gallery and are treated to a feast to the eyes.

# Kalakriti

*alacrity (noun):* brisk and cheerful readiness. No better way to express the students' love for art that we witnessed at Kalakriti 2015!

Artists' Forum (AF) is one of the most prominent hobby clubs in NITK. It's the hub of creativity - where students from all years and branches meet to make imagination reality. We've done it all, from painting the underpass to decorating the campus during fests!

Every Incident, AF puts up Kalakriti under the Fine Arts committee. It's an exhibition of incredible works of art created by our very own students. As the theme for Incident 2015 was Colors, we had incredible scope to decorate the Kalakriti room beautifully. We even expanded our presence from the MB to the NTB! After spending weeks on creating the perfect platform for the students' art, we opened Kalakriti to visitors, every day of Incident from 9 to 5.

This year, Kalakriti had an entire wall dedicated as a tribute to RK Laxman, the famed cartoonist who passed away earlier this year. The tribute featured a huge painting of RK Laxman and his most famous creations, including the Common Man. It also highlighted his life story and achievements. Apart from this, Kalakriti acted as a venue for students to show off their artistic talent by contributing incredibly diverse works of art. There were drawings, paintings, chalk carvings, tiny sculptures, charcoal art, and kirigami, among many others.

We received great reviews from the many students and members of faculty who visited the Kalakriti room, and Artists' Forum looks forward to carrying on this legacy in an even bigger way next Incident!







भाषा – एक माध्यम अपनी बातों को कहने का ! एक माध्यम दूसरों के विचारों को समझाने का ! एक- दूसरे से भावनाओं को व्यक्त करने का ! एक माध्यम है यह एक दूसरे से जुड़ने का । कभी-कभी चंद शब्दों में पूरी कायनात की बातें बयां हो जाती हैं और कभी कभी सीधी-सच्ची बातों को समझाने के लिए भी शब्द नहीं मिल पाते है । कभी किसी के दो शब्द किसी के घाव भर देते हैं तो कभी वही शब्द दिल में एक तीर की तरह एक गहरा घाव दे जाते हैं । शब्द वही रहते

हैं पर बात बदल जाती है और कई बार तो खामोशियों में भी ऐसी आवाज छिपी होती है जिन्हें शब्दों में बयां नहीं किया जा सकता। और ये शब्द और इशारे एक अंश मात्र होते हैं उस भाषा का जिनसे हम संवाद करते हैं और भाषा के दो रूप ऐसे हैं जो हर एक प्राणी के जीवन का अभिन्न अंग होते हैं।

पहला ऐसा रूप है मातृ-भाषा का जिसका जुड़ाव खून के रिश्तों की तरह होता है और आप चाहे कितने ही विद्वान हो जायें दूसरी भाषाओं में पर यदि दूर देश में कहीं आपको अपनी मातृ-भाषा सुनाई देती है तो तुरंत ही एक उत्साह आ जाता है और हम सामने वाले व्यक्ति से इस तरह से घुल मिल जाते हैं जैसे वर्षों की पहचान हो। भाषा का दूसरा रूप जिसे हम बहुत ही महत्वपूर्ण समझते हैं वह है इशारों की भाषा। आपको अपने सबसे करीबी व्यक्ति से अपनी बात कहने के लिए शब्दों की आवश्यकता नहीं होती है। बस एक दूसरे को देख कर इशारों में ही सारे दुःख सुख समझ जाते हैं। किसी लेखक ने एक मित्रता का वर्णन करते हुए लिखा था कि “हमारी जिन्दगी का सबसे अच्छा वक़्त वह था जब हमने तुम्हारे साथ वो शाम बीतायी थी। ना हमने कुछ कहा था ना तुमने कुछ कहा था पर वापस आने पर ऐसा लगा था की दिल का सारा बोझ तुमने उठा लिया हो और हम चिंता मुक्त हो गये हैं”

आप अपने परिसर में ही देख सकते हैं कैसे हमारा NITK परिवार देश के विभिन्न राज्यों के लोगों से मिलकर बना हुआ है और कैसे यहाँ हर वर्ष देश के हर कोने से चमकती हुई प्रतिभायें आकर नामांकन कराती हैं और अपने जीवन के सबसे यादगार वर्ष गुजारते हैं। हाँ, हमारे कॉलेज में ही जब भाषा और प्रदेश के आधार पर गुटबंदी होती है वह हमें व्यक्तिगत रूप से बड़ा कष्टप्रद लगता है क्योंकि हम एक राष्ट्रीय संस्थान की गरिमा का और उसके उद्देश्य का अपमान कर रहे होते हैं जब हम अपनी सोच को इस आधार पर सीमित कर रहे होते हैं। इससे ज्यादा कष्टदायक यह होता है कि इस परंपरा का देश के एक सबसे प्रतिभाशाली विद्यार्थियों से भरे हुए सुशिक्षित समाज में अनुसरण किया जाता है। क्षेत्रवाद और धर्म की राजनीति के कारण ही आज हमारे देश ६७ सालों के बाद भी हम उस तरह का विकास और उन्नति नहीं कर पाए जिसकी हम अपेक्षा करते थे और अपनी प्रतिभाओं के बल पर प्राप्त कर सकते थे। क्योंकि जो उर्जा हमें मूलभूत सुविधाओं, शिक्षा और नौजवान प्रतिभाओं की प्रगति के लिए लगाना था वह उर्जा हम जाति-धर्म और उन दूसरे बेकार की बातों पर लड़ने में लगा दिया जिनके कारण इस देश का विभाजन हुआ और जिनके कारण हम साल दर साल पिछड़ते चले गए। आज के दिन भी मुद्दों की कमी नहीं है हमारी सरकार के पास चाहे वो बेरोजगारी का मुद्दा हो या भुखमरी का या बिगड़ते कानून और व्यवस्था का पर फिर भी हमारी सरकार उन्हीं मुद्दों को बढ़ावा देगी और उन्हीं को हमारी मीडिया भी दिखाएगी जिनसे लोगों के जज्बातों पे प्रभाव पड़े और वे एक दूसरे से लड़ते कटते रहे और इन राजनीतिक परिवारों का घंटा चलता रहे।

खैर हम वापस आते हैं अपने “शब्दों” और “भाषा” की परिचर्चा पर। इस साल के **shoreline** का हिंदी विभाग आपके लिए शब्दों से बुनी हुई कुछ ऐसी रचनायें लेकर आया है जिनसे आप खुद को सम्बद्ध करते हुए नज़र आयेंगे। “प्रशस्ति गीत” के प्रणेता ने कॉलेज और कॉलेज में गुजरे हुए वर्षों की यादों की सराहना की है कि कैसे घर से दूर बना हुआ एक घर जीवन का एक अभिन्न अंग बन जाता है और कैसे ये यादें सदा-सदा के लिए जीवन से जुड़ जाती हैं। जहाँ “गाढी मित्रता” में लेखक हमारे जीवन में दोस्तों और दोस्ती का महत्व दिखाता है वहीं “इमाम की सियासत” में हमारे देश के नेताओं के परदे के पीछे के रूप का खूबसूरती के साथ वर्णन किया गया है। केदारनाथ में सबकी पूज्य गंगे की लायी हुई हुई त्रासदी को जहाँ “पाहि माधवपादारविन्दप्रक्षालिनि हे” के निर्माता ने जहाँ संस्कृति की पवित्रता के साथ उकेरा है वहीं अगले पृष्ठ पर कुछ मूल “प्रश्न” पूछे गये हैं जो ईश्वर के अस्तित्व पर बड़े ही तर्कसंगत तरीके से सवाल उठाते हैं। “नफ़रत” और “खोज” के रचयिता ने किशोरावास्था के प्रेम के अनुभवों को दर्शाया है। “परम् तपः” में पुनः संस्कृति में सत्य वचन के महत्व को इतिहास के उदाहरणों द्वारा प्रस्तुत किया गया है और “सम्मान-समर में” अपने समाज में हो रहे अन्याय के विरुद्ध हृदय में उबलती आग का चित्रण करने की कोशिश की गयी है। उसके बाद कुछ कवितायें हैं जो जीवन के विभिन्न पहलुओं को विभिन्न शब्दों के मेल से प्रस्तुत कर रही हैं। लघु कथा “निःशब्द धिक्कार” एक रोचक कहानी है जिसमें आकर्षण के बाद दिमाग में उपजे हुए अजीब से प्रश्नों को जो थोड़ी गंभीरता और थोड़े व्यंग्य के साथ परोसा गया है। हिंदी अनुभाग के अंत में पुनः कुछ अलग-अलग भावों और विचारों को शब्दों से जोड़कर लिखी गयी कुछ कवितायें हैं जो आशापूर्वक आपको पसंद आएँगी।

धन्यवाद





# प्रशस्ति-गीत

- चन्द्रकेतन साहू

हम बिगड़े-बिगड़े शहरों में कुछ सहमें-सहमें रहते हैं,  
मिलकर तुमसे भी शांत रहे देखो हम कुछ ना कहते हैं,  
जब खाली-खाली राहों में सब कुछ सूना सा लगता है,  
जब काटे रात नहीं कटती और दिन दूना सा लगता है।

जब देर रात तक सोने की आदत ऐसी बन जाती है,  
जब सुबह देर से उठने से पहली कक्षा छूट जाती है,  
जब लुटे हुए परिणामों से मन भारी-भारी रहता है,  
जब हर लैक्चर करने पर भी कुछ भूला-भूला लगता है।

जब घर से कॉल करे कोई, कुछ कहने को नहीं होता है,  
मन रोने को करता है पर दिल रोने से डरता है,  
जब उन्हीं पुराने लोगों से ऐसी दूरी बन जाती है,  
जब मन की बात कहें उनसे, दिल की घड़कन रुक जाती है।

जब वही पुरानी खुशी की यादें दर्द अजब सा देती हैं,  
कुछ भूली-बिसरी बातों में एक राग सुनाई देता है,  
जब गर्मी में तेरी यादों से सर्द गजब की लगती है,  
तब नए-पुराने गीतों में जीवन का चेहरा दिखता है।

जब सच को झुठलाने के पीछे झूठ अनेकों आते हैं,  
जब राज छिपाने की चाहत में नए राज खुल जाते हैं,  
जब मरकर जीने की इच्छा उल्लास नया-सा देती है,  
जब खुद से मिलने की ख्वाहिश में स्वयं को भूले जाते हैं।

जब मधुशाला का रस पीने से रंग गजब का चढ़ता है,  
जब देर अँधेरी रातों का रंग धीरे-धीरे ढलता है,  
जब होश-हवास को खोते हैं और दुनिया सच्ची लगती है,  
जब नशे की बातों में मन के अन्दर का दर्द निकालता है।

जब धीरे- धीरे प्यास बढे और दर्द के आंसू घटते हैं,  
जब रात अँधेरी चढ़ती है और हम सपनों में खोते हैं,  
जब सुबह की किरणों से दुनिया का असली चेहरा दिखता है,  
जब नशा रात का ढलता है मन की ग्लानि बढ जाती है।

जब कुछ ना कहने की ख्वाहिश भी पूरी न हो पाती है,  
जब लाख छुपाये गम के आंसू आँखों में दिख जाते हैं,  
जब सहपाठी के नंबर हमसे हर टेस्ट में ज्यादा आते हैं,  
जब पढ़-पढ़ के थक जाते हैं पर तथ्य समझ ना आते हैं।

जब धीरे-धीरे हर विषयों से नाता टूटे जाता है,  
जब बचपन के सच्चे सपनों का झूठ समझ में आता है,  
जब खाने का हर एक निवाला माँ की याद दिलाता है,  
तब घर और घर वालों का सच्चा मोल समझ में आता है।

जब नज़र किसी से मिलने पर एहसास प्यार का होता है,  
जब बात अगर हो जाये तो मन उछल-उछल के खोता है,  
जब पूरा-पूरा दिन उनकी बातों को सोच के कटता है,  
जब उस चहरे की एक मुस्कान का चित्रण भूल ना पता है।

जब छुट्टी में घर जाने पर ढंग से समय नहीं कट पाता है,  
जब घर पर सब सो जाते हैं और आँख नहीं लग पाती है,  
जब खुली आँख से उन शहरों की एक झलक दिख जाती है,  
जब यारों के व्यंग्यों की यादें एक मुस्कान दे जाती हैं।

जब धीरे-धीरे इन शहरों के दिन पूरे हो जाते हैं,  
तब आखिर के दिन गिन-गिन कर कुछ ऐसी भावना आती है,  
जब उन अनजाने चेहरों से दिल की घड़कन रुक जाती है,  
तब वो अनजाने चेहरे सारे अपने लगने लगते हैं।

जब लगता है हम छोड़ चलेंगे इन शहरों की गलियों को,  
तब इन शहरों के सड़कों की एक कमी हमें खल जाएगी,  
तब लगता है रह जाएँगी कुछ यादें बस इन बातों की,  
इन शहरों की, इन सपनों की, इन सड़कों की, इन रातों की।।



## गाढी मित्रता

-दिव्यसानुपाण्डेयः स्नातक (तृतीय वर्ष)  
जनपद अभियान्त्रिकी विभाग

जीवन की कठिन डगर में  
विधि का सर्वश्रेष्ठ वरदान ।  
मित्रता है वह, निश्चित होते  
दो हैं शरीर, पर एक प्राण ॥

साथी तो मिलते-बिछड़ते हैं  
जिंदगी के हर एक मोड़ पे ।  
मित्र का साथ ना छूटे चाहे हो  
सुख या लम्हें हाड़तोड़- से ॥

साथ हो मान, धन औ' यौवन  
तो मिल जाते हैं लोग अनेक ।  
काल के परीक्षावसर पर  
किन्तु सन्मित्र ही बचता एक ॥

जीवन की झंझा से बचने को  
ईश्वर ने मुझे भी दिया मित्र ।  
पूर्वजन्माजित पुण्य फलों का  
महत्त्व उसी से ही हुआ सिद्ध ॥

निरन्तर घूर्णन-पथ पर  
गतिमान चक्र बदलता है ।  
भाग्यविधाता के मायापाश से  
वह मित्र भी मुंह फेरता है ॥

छूट गई घर की अमराई  
पड़ा है रोहिणी-तट उदास ।  
सूना पड़ा वह विस्तीर्ण पाट  
सरित्-अम्बु से न बुझती प्यास ॥

हुई आशायें निस्सार, तथा जो  
भविष्य-चित्र हुआ, वो धूमिल ।  
करते थे आनन्द-सरस में  
जहाँ तुष्टि-नक्षत्र झिलमिल ॥

पर तरंग-फेन, पृथक क्या?  
मेघ से दामिनी कब है रूठी?  
भाग्यपाश कुछ भी कर दे तो  
भी मित्रता न थी हमारी झूठी ॥

स्वागत पुनः जीवन-बन में  
आओ धूल दें जमी हुई धूल ।  
भूल समय की निष्ठुरता को  
याद करें वह रोहिणी-कुल ॥

त्याग, तपस्या और क्षमा-नीर  
से सींचे अपनी मैत्री की क्यारी ।  
विश्वासस्त्रि अपनी मित्रता  
हो अलगू-जुम्न से भी गाढी ॥

## इमाम की सियासत

-अमित विश्वकर्मा  
एम.सी.ए, प्रथम वर्ष

दुहाई दे के सच्चाई की अय्यारी भी करता है,  
वो एक फनकार है अच्छी अदाकारी भी करता है।  
वो दंगे भी कराता है निहायत अजान से पहले,  
अपीलें अमन की फिर शहर में जारी भी करता है।  
ढिढोरा पीटता फिरता है अपनी देश भक्ति का,  
मगर वो देश की अस्मत से गद्दारी भी करता है।  
उधर शामिल भी कातिल खून की साजिश में रहता है,  
इधर आकर अजीजों में अजादारी भी करता है।  
सदा साहिब अब ऐसे सर फिरे को कौन समझाये,  
कि दिल घोखा भी खाता जाता है यारी भी करता है।

## पाहि माधवपादारविन्दप्रक्षालिनि हे

-दिव्यसानुपाण्डेयः स्नातक (तृतीय वर्ष)  
जनपद अभियान्त्रिकी विभाग

भगवद्गामनपादात्पतन्ति पवित्रे  
शीर्णाकाशादागते देवि विरजे।  
नभभूमिपातालगामिनि त्रिपथगे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥१॥

सगरपुत्रपरित्राणाय भूमौ आगते  
तपस्विना भगीरथेन कृत्सुस्वागते।  
शम्भुजटावितपे धारावरुद्धे भागीरथे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥२॥

चक्रवाककोकलोकनक्रजीवशरणदे  
दर्शनादेव धर्मार्थकाममोक्षसिद्धिदे।  
भारतजनजीवनाय जीवनरेखे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥३॥

अस्मिन् कलिकाले समस्तदोषापहे  
सकलकल्मषपापविमोक्षिणि माते।  
तृषाकुलपक्षिक्षेत्रमानवेभ्यः शरणदे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥४॥

परम् कलिदोषयुक्तैः कार्यैः पर्युषिते  
प्रतिभासि इदानीम् च क्रुद्धा माते ।  
दयस्व देवि स्वसन्ततिषु क्षमास्वरूपे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥५॥

त्वमसि नूनम् मातृस्वरूपे  
परम् इदानीम् कालिस्वरूपे  
ताण्डवम् कुर्वन्ति जलौघकारिणे  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥६॥

ब्रह्माण्डभाण्डम् खण्डयन्ति क्षितौ आगते  
काशीनगर्याम् दशाश्वमेधयज्ञान् सिद्धिदे।  
विश्वमनोहारिणि धवलसैकतशय्याशयने  
पाहि माधवपादारविन्दप्रक्षालिनि हे॥७॥



# प्रश्न ?

- अतुल मेश्राम, एम.सी.ए, द्वितीय वर्ष

ईश्वर एक प्रश्न है! जीवन-मृत्यु ही मानव जीवन का एक मात्र सत्य है। सुख-दुख जीवन की थाली में परोसे हुए वे पकवान हैं जिन्हें खाना ही पड़ेगा। जीवन सुख-दुःख का एक संगम है या फिर यों कहें तो बेहतर होगा कि जीवन भंवर मात्र है। जब मैंने मानव जीवन को समझने की कोशिश की, तो दो पहलू सामने आए, पर उनसे हमें हमारे प्रश्नों का जवाब नहीं मिला बल्कि जवाब मिलने के पहले और सवाल खड़े हो गए।

क्या मानव-जीवन को वैज्ञानिक तथ्यों के बनें नींव से समझा जा सकता है, या यह अनंत है? और यदि यह अनंत है तो जीवन-मृत्यु क्या है? मैंने उस शक्ति को प्रत्यक्ष रूप में कभी नहीं देखा जिसे लोग ईश्वर कहते हैं। परंतु बुद्धिजीवियों का सुझाव यह है कि आंखों देखी चीजों का भरोसा करना चाहिए। भले ही वह सत्य न हो, कम से कम मन में संकोच के लिए जगह तो नहीं बचेगी। परंतु ऐसे कितने लोग हैं जिन्होंने ईश्वर को प्रत्यक्ष रूप से देखा है? फिर भी उनके जबान पर ईश्वर का नाम होता है। उत्तर पाने की लालसा में मैंने कुछ से पूछ ही लिया, "क्या आपने ईश्वर को देखा है?" जवाब मुझे बड़े अजीब से मिले! कुछ ने मुस्कुरा दिया, कुछ ने तो जवाब में सवाल ही दे दिया "क्यों तुम नहीं मानते ईश्वर को?" कुछ ने भौंहे सिकोड़ कर बस सिर हिला दिया। और बहुतों ने कहा कि "होता है।" खैर मुझे तो मतलब बस इस जवाब से था कि "होता है"। मैंने उनसे पूछा कि कहां बसते है ईश्वर?

जवाब मुझे अजीब से मिले; कुछ ने कहा 'मन में' कुछ ने कहा 'मंदिर में' तो कुछ ने कहा 'कण-कण' में पर मुझे फिर भी जवाब नहीं मिला कि "मैंने देखा है ईश्वर को"। बहुतों ने कहा धरती पर ईश्वर का रूप माता-पिता होते हैं। जवाब बहुत ही अच्छा था, पर क्या स्वयं ईश्वर का कोई रंग-रूप, आकार नहीं होता? या वह सिर्फ एक प्रकाश पुंज मात्र है? पर मेरे दृष्टिकोण से मेरे ईश्वर तो मेरे माता-पिता ही हैं। मैं कर्म में विश्वास रखता हूँ, परंतु जब कभी भाग्य के विषय में सोचता हूँ, कुछ पल के लिए ठिठक जाता हूँ। कभी-कभी पूरे मन से किया गया कार्य सफल नहीं हो पाता तब हम अपने भाग्य को कोसते हैं। परंतु भाग्य हमारे वश में नहीं होता, तो क्या वह भी ईश्वर की मर्जी है या हमारा भाग्य ही ईश्वर का रूप है? क्योंकि जब ईश्वर का साथ हो तो हर कार्य सफल हो जाता है। बड़े बुजुर्गों से सुना है कि जो इंसान खुद की मदद नहीं करता ईश्वर भी उसकी मदद नहीं करते। परंतु मुझे ये बात कुछ समझ नहीं आयी। यदि मनुष्य

ने स्वयं ही सारे कार्य सफल कर लेता तो ईश्वर के होने पर प्रश्न खड़े हो जाएंगे। और यदि ऐसा नहीं है तो ईश्वर क्यों है? या वो एक शब्द मात्र है?

मैंने योगी-महात्माओं से सुना है कि ईश्वर मन की शांति है। शांति को दूसरे शब्दों में कहा जाए तो 'खुशी या सुकून'। अगर जीवन में खुशी है तो ईश्वर है पर यदि दुख का अंबार लग जाए तब? जीवन के कई रंग हैं, उनमें से एक रंग है प्रेम का जो मन को शांति की पूर्ण-आभूति कराता है, तो क्या प्रेम ही ईश्वर है, क्योंकि प्रेम का भी कोई रंग-रूप या आकार नहीं होता, प्रेम तो किसी से भी हो सकता है। और दूसरा पहलू है 'गलतियाँ', हर इंसान से गलती होती है। गीता में लिखा है कि जो भी होता है अच्छे के लिए होता है तो गलतियाँ भी अच्छे के लिए होती हैं, कम से कम इंसान को सुधार करने का एक मौका तो देती हैं।

फिर तो इंसान की हर गलती माफ़ होनी चाहिए क्योंकि हर इंसान के भीतर भी ईश्वर होता है और ईश्वर सही गलत से बहुत ऊपर पर होता है। मैंने जीवन के कई रंग देखे हैं उनमें से एक रंगने की कोशिश करता हूँ: पानी जैसा कोमल कुछ नहीं साथ ही साथ पानी जैसा कठोर भी कुछ नहीं। हो सकता है मेरा दूसरा नज़रिया आपको गलत लगे परन्तु पत्थर जैसे कठोर से कठोर पदार्थ को भी पानी का रिसाव गलने पर मजबूर कर देता है। दुनिया भी बड़ी ही अजीब है यहां बेवजह कुछ नहीं होता। आपने कई जलप्रपात और झरने देखे होंगे और यह भी देखा होगा की वो सभी पत्थर की नींव पर टिके होते हैं, पर यदि कोई काई/शैवाल उन पर ना उगे तो क्या वो अपनी सुंदरता बनाए रख पाएंगे? बिना काई के पत्थर भी रेत के कण बन जाएंगे। और फिर तो काई ही अच्छे हैं और अगर ये अच्छे हैं तो ये भी ईश्वर का रूप हैं। सोचिए यही काई अगर आपके घर की दीवार पर उग जाए तो? क्या यह आपके घर की सुंदरता को कम नहीं करेगी और यदि करेगी तो यह आपके लिए बुरी बन जाएगी। तो क्या बुरी चीजे ईश्वर का रूप नहीं होती? अगर होती हैं तो क्या ईश्वर बुरा है? सच कहूँ तो ये सारी सृष्टि प्रश्नों से भरी हुई है, और मेरा एक प्रश्न कई और प्रश्नों को जन्म दिए जा रहा है। परंतु मेरे लिए अभी भी ईश्वर एक प्रश्न ही है वहीं दूसरी ओर मानव जीवन है जो कई प्रश्नों की आपूर्ति करता है। मानव का अस्तित्व है शायद तभी ईश्वर आ अस्तित्व है, इसलिए अल्बर्ट आइंस्टीन ने कहा है - "Coincidence is God's way of remaining anonymous..." परन्तु मेरे प्रश्न का उत्तर अब तक नहीं मिला। क्या आपके पास मेरे सवाल का जवाब है?





## नफरत

जो मोहब्बत न दे सकी  
वो कभी-कभी नफरत दे देती है,  
ज़िंदगी तो नहीं पर जीने की वजह दे देती है,  
मंज़िल तो नहीं पर मंज़िल तक पहुँचना आसान कर देती है।

जाने क्यूँ लोग नफरत से इतनी नफरत करते हैं,  
यह तो हर इश्क से बड़ा सबक सिखा जाती है।  
लोग कहते हैं मोहब्बत ने जीना सिखा दिया,  
कभी तन्हाई में रहो यारों वो मरकर जीना सिखा देती है।

उनकी एक बात से जहाँ हम फूल की भाँति खिल उठते थे,  
एक पल में सारा जहान जी जाते थे,  
कहने को आज भी हम वो ही बाग है,  
मगर ध्यान से देखो तो यादों का कब्रिस्तान है।

उन्होंने तो मरहम लगाना भी ज़रूरी न समझा  
जख्मों पर और नमक छिड़क कर चले गए।  
उस पेड़ के हर पत्ते को हम उनकी याद समझ कर संजोये थे,  
पतझड़ में सब हवा के साथ बह गये।

हमारे लबों की खामोशी को वो समझ ना सके,  
दिल में उठे तूफ़ान को देख ना सके,  
पहली बार खुद से ज़्यादा किसी से मोहब्बत की दोस्तों  
वो इस इश्क-ए-जूनून को हमारी आँखों में पढ़ न सके।

वो समझ ना सके कि उनकी ना में छिपी हाँ को हम समझ गये थे,  
बस उनके ना कहने के तरीके से हम सहम गये थे।  
जानते है इस ना से हमसे ज़्यादा दर्द उन्हें हुआ होगा,  
फिर भी इस दर्द का कारण उन्हें ही मान बैठे।

उन्होंने तो हमें बोलने से ही मना कर दिया,  
हमारे प्रस्ताव को Syllabus का Topic समझ कर हवा कर दिया।  
हम उन्हें वो कविता समझ बैठे थे जिसमें कोई गहरा तथ्य था  
पर वो तो कागज़ पर कुछ अच्छे शब्दों का मेल जोल था।

लिखने को और बहुत कुछ है,  
पर लिखते-लिखते हम खुद ही बदल गये।  
इतना प्यार करते है उनसे की नाराज़गी भी बयां नहीं कर सकते,  
बड़ी ताक़त है इस मोहब्बत मै जो इस इंसान को कवि बना बैठे।



गौरव जैन  
चतुर्थ वर्ष, विद्युतीय अभियांत्रिकी

## खोज

जाने क्यूँ आज फिर लिखने को दिल चाहता है,  
उनके लिये कुछ कहने को दिल चाहता है,  
जानते हैं यह शब्द अभी उन तक ना पहुँच सकेंगे  
शायद इसलिए मुस्कराने के साथ रोने को दिल चाहता है।

पूछता हूँ उस रब से आज मैं  
जाने क्यूँ हमें इस तन्हाई में रखा है,  
इस इंसान मे दिल है अभी,  
फिर क्यूँ हमें उनसे रूबरू होने से रोक रखा है।

जब उसने उन्हें हमारे लिये ही बनाये रखा है,  
फिर क्यूँ हमसे ही छुपाए रखा है,  
उनकी इतनी ज़रूरत है हमें  
यह इस दिल के सिवा और कौन जान सका है।

एक साथी को ही तो ढूँढ रहा हूँ  
इतने ग़म दिल मे बटोर रहा हूँ,  
अगर सुन रहे हैं वो हमें  
तो जान ले वो उनकी याद मे हर पल मर रहा हूँ।

ज़िन्दगी इतनी सरल तो नहीं  
एक हमसफ़र की चाहत गलत तो नहीं,  
जानते नहीं कितना पास या दूर हैं वो हमसे  
बस उनके एहसास से ही जी रहा हूँ।

शायद वो भी हमारे लिए कुछ ऐसा ही लिख रहे हो कहीं  
कभी उनसे मिलूंगा इस उम्मीद से खुद को फुसला रहा हूँ  
आज किसी के कहने पर, चार लाइनें लिख कर,  
फिर तन्हां मैं सो रहा हूँ।





# परम् तपः

**अ**स्माकं भारतदेशस्त्वादिकालादेव विश्वज्ञानस्रोतः एव मान्यते। अस्य प्राचीनभारतीयसाहित्ये ज्ञानयोगस्य चरमोत्कर्षस्तु येषु ग्रंथेषु प्राप्यते, ते उपनिषदिति नाम्ना विश्वविख्याताः। अस्माकम् विषयः “सत्यम्” इति तु सविस्तरेण उपनिषत्सु चर्चितः। **सत्यमेव जयते-** इति अस्माकम् भारतदेशस्य ध्येय-वाक्यः मुंडकोपनिषद्ग्रन्थतः अवततितः। अस्य वाक्यस्य अर्थः सत्यम् एव सत्यवानेव जयति नानृतम् नानृतवादीत्यर्थः श्रीशंकरभगवत्पादाचार्येण कथितम्। “सत्यस्य विजयम्” - प्रश्नः उत्पन्नः भवति किमिदं सत्यमिति। सर्वम् यत् दृष्टिगोचरम् श्रुतिगोचरम् वा सत्यम्। किमिदमिति। निश्चयेन कतिपयवारम् तु एवम् भवति यत् यत्किञ्चित् दृश्यते तत् वास्तविकरूपे न भवति अपि च यत्किञ्चिन्न दृश्यते तत् भवति। नूनम् सत्यम् काठिन्येन परिभाषणीयम्। वस्तुतः कस्याश्चित् घटनायाः यथा वर्तते तथैव ज्ञानः कथनम् वा सत्यमिति। स्वयमेव वस्तुनः घटनायाः वा स्वरूपम् विभिन्नासु परिस्थितिषु भिन्नतरम् भवितुम् शक्यते, अतएव सत्यमपि विभिन्नेषु स्तरेषु वैविध्यपूर्णम् भवितुम् अर्हते, परन्तु इदम् केवलम् सांसारिकविषयाणां कृते एव सत्यम् यतः सांसारिकविषयाः सापेक्षाः। उदाहरणार्थम्, पृथिव्याः सूर्यस्य परिक्रमा। दूरदर्शीयन्त्रस्य आविष्कारतः पूर्वम् असत्यमासीदिदम् कथनम् परन्तु दूरदर्शिनः आविष्कारपश्चात् सत्यम् अभवत्। वास्तविकरूपे, द्वे एव कथने सत्ये स्तः, परन्तु स्तरौ मापदण्डौ वा भिन्नौ। दैनिकगणनाभ्यः सूर्यस्य गतेः अध्ययनम् सरलम् पुनः सौरमण्डलस्य व्यवहाराध्ययनार्थम् सूर्यसापेक्षगतिः,

गणनादृष्टितः सरला।

पुनः अन्यतमे मार्गे, सामाजिकजीवने मानसिकसंतुष्टिम् यत् प्रददाति तत् निश्चयपूर्वकम् सत्यमेव, यस्य आचरणम् नितान्तदुष्करम्। देवसभामध्ये यत्र सप्तर्षयः अपि उपस्थिताः आसन्, यदा इन्द्रः पृष्टवान् यत् सर्वश्रेष्ठम् मानवमूल्यं किम्, तदा वसिष्ठः उक्तवान् यत् सत्यम् श्रेष्ठतमम्। यद्यपि विश्वामित्रः मानितवान् यत् सत्यम् श्रेष्ठम् तथापि सत्यस्य पूर्णाचरणम् असम्भवम् इति तस्य मतः आसीत्। पुनः वसिष्ठस्य कथनानुसारम् विश्वामित्रः हरिश्चन्द्रस्य कठिनसत्यव्रतम् परीक्षितवान् तत् सर्वविदितम् एव। तन्नाम सत्यम्, यत् विश्वामित्रस्य महान् अभिमानम् हरिश्चन्द्रस्य विनयस्य समक्षम् नतमस्तकम् करोति, तन्नाम सत्यम् यत् स्वयम् काशीविश्वनाथम् मातरम् पार्वतीञ्च मुक्तकण्ठम् एकस्य मानवमात्रस्य मुहुर्मुहुः प्रशंसाम् कर्तुम् बाध्यकरोति। तन्नाम सत्यम् यत् अद्यापि हरिश्चन्द्रम् तारामतीम् च अमरत्वम् प्रददाति अपि च अनेकानाम् महापुरुषाणाम् मार्गान् अनेन दृष्टान्तेन प्रशस्तीकृतवान् करोति करिष्यति च। निश्चयेन, सत्यस्य अनुपालनम् सुदुष्करम् कथितञ्च हि-  
**सत्यान्नास्ति परंतपः।**

उक्तम् च-

**अश्रमेधसहस्रं च सत्यं च तुलया धृतम्।**

**अश्रमेधसहस्रादि सत्यमेव विशिष्यते।**

मुंडकोपनिषद्ग्रन्थे सत्यम् आत्मज्ञानसाधनम् इति निगदितम्-  
**सत्येन लभ्यस्तपसा ह्येष आत्मा सम्यग्ज्ञानेन ब्रह्मचर्येण नित्यम्।**

अर्थात् सत्यस्य, तपसः, सम्यक्ज्ञानस्य ब्रह्मचर्यस्य च नित्यपालनतः येषां दोषाः क्षीणाः जाताः, एतादृशाः योगिनः एव आत्मपदम् प्राप्तुम् शक्यन्ते।

भगवता कथितम् गीतायाम्-

**सत्येन धार्यते पृथ्वी सत्येन तपते रविः।**

**सत्येन वायवो वान्ति सर्वं सत्ये प्रतिष्ठितम्।-**

अर्थात् सर्वस्वम् सत्ये एव स्थितम्।

सत्यम् तु गुणदोषतः, लाभहानितः, प्रेमवैमनस्यतः, आशातः  
नैराश्यतः परतरः भवति। सत्यम् तत् यत् साक्षिणम् मत्वा  
कथिताः शब्दाः वरदानम् शापम् वा संजायन्ते।  
सत्यस्य समक्षम् असत्यस्य कोऽपि प्रभावः न भवति ।

उक्तं च-

**गोभिर्विप्रेष्व वेदैश्च सतीभिः सत्यवादिभिः।  
अलौर्दानशूरैश्च सप्तभिर्घार्यते मही॥**

सत्यम् तु तत् यत् धर्मराजसस्य रथम् महीतलतः अंगुलत्रयतरम्  
उपरि धारयति परन्तु अर्धसत्यभाषणफलात् तम् महीतलम् प्रति  
क्षिपति।

• नूनम् ध्रुवस्य भक्तिः सत्यम्, यत् तम् ध्रुवपदम् प्रददाति अपि च  
सुरुचेः अभिमानः पराजितः जातः।

• प्रह्लादस्य भक्तिः सत्यम् यत् प्रह्लादस्य जीवनरक्षणार्थम्  
पौनःपुण्येन भगवन्तम् विवशीकरोति तथा हिरण्यकशिपोः दर्पः  
विदीर्णः जातः।

• सावित्र्याः सतीत्वम् सत्यमेव यत् यमराजम् तस्याः  
गतपंचत्वाय पतये पुनर्जीवनम् दातुम् बाध्यीकरोति, अत्रापि  
सत्यमेव जयति।

• मार्कण्डेयस्य शिवभक्तिः श्रेष्ठसंस्काराश्चापि सत्यस्वरूपाः, ये  
कालात् रक्षणार्थम् स्वयम् महाकालम् आमन्त्रितवन्तः, सत्यम्  
जयति।

• लक्ष्मणस्य भ्रातृप्रेम सीतायाश्च पातिव्रत्यम् च सत्यस्वरूपे  
एव फलतः क्रमशः दुर्जेयमेघनादरावणयोः च पराजयः भवति।

• महाभारतस्य निर्णयः अपि पाण्डवानाम् सत्यशीलतायाः  
शकुतिनीत-पापकर्मणाम् कौरवानाम् असत्योपरि विजयस्यैव  
द्योतकः।

अतः सदैव सत्यस्य एव विजयः भवति यतः असत्यम्  
आधारहीनम् भवति। असत्यम् तु आधारहीनायाः अट्टालिकायाः  
इव भवति या मन्दपवनवेगम् अपि सोढुम् न शक्नोति तथा भूमौ  
पतति। विशिष्टासु परिस्थितिषु निर्बलम् इव सत्यम् एव अन्ततः  
जयति।

**सत्यस्य महिमानं वर्णयन् मुंडकोपनिषतः अयं मन्त्रः-**

**सत्यमेव जयति नानृतम् सत्येन पंथा विततो देवयानः।**

येनाक्रमन्ति ऋषयो हि आप्तकामाः यत्र तत्सत्यस्य परमम्  
निधानम्॥

अर्थात् सत्यम् एव जयति, अनृतम् न। सत्येन देवमार्गस्य विस्तारः  
भवति, येन आप्तकामाः ऋषिजनाः सत्यपदम् आक्रमन्ति।  
अतएव सत्यमेव आचरणीयम्। तदेव परम् तपः।



दिव्यसानु पाण्डेयः तृतीय वर्ष,  
जनपद अभियान्त्रिकी विभाग के छात्र  
हैं। संस्कृति एवं हिंदी में लेखन के  
अतिरिक्त राजनीति तथा संगीत में  
इनकी विशेष रुचि है।

## सम्मान-समर

हृदय में पनपती आक्रोश की लहर  
विवशता के आगे कर जाती समर्पण है।  
यत्र-तत्र बिखरी हैं कुंठित इच्छायें  
नीला नभ तो बस एक रोचक संस्मरण है ॥

मन को तापित करती ये अभिलाषायें  
विचारों का नित्य ही रहा क्षरण है।  
अन्याय से लड़ रही मेरी यह सुप्त आत्मा  
न जाने जीवन का यह कौन-सा चरण है ॥

तंत्र-तंत्र में व्याप्त है भ्रष्टाचार  
जन-जन कर रहा इसका भरण है।  
कब होगा हमारे समाज का उद्धार  
नहीं दिखती कोई उम्मीद की किरण है ॥

जिसके हाथों में सौंपी है देश की अस्मिता  
वही कर रहा इसका शोषण है।  
बिलख रही है हमारी धरती  
दूरस्थ आशाओं का अरुण है ॥

जिन्होंने अर्पित किया राष्ट्र को अपना लहू  
उनका न आज किसी को स्मरण है।  
देश को देते हैं घाव नित नये जो  
यहां पर मिलती आज उन्हीं की शरण है ॥

विकल परिवार, खण्डित समाज, पंगु हो रहा राष्ट्र  
हन्त! पुनरपि विचार यहां उदासीन हैं।  
सुदूर लक्ष्य दिखता अगम्य-सा दुर्गम  
हाय! शौलों का यह मार्ग भी कंटकाकीर्ण है॥

पर सम्मान-समर की झंझा में  
क्या हम खड़े अकेले-से दीन हैं।  
दांव पर लगी हमारी अस्मिता और अखंडता  
क्या हम निज स्वार्थ-अभिमान से भी हीन हैं॥

उदासीनता के मद को त्याग आओ,  
तोड़ दें वह जो अ आवरण है।  
पार्थ बन हम उदित हो जायें  
शेष नहीं अब एक भी क्षण है ॥



# मेरा आशियाँ

-नितिन सामंता, चतुर्थ वर्ष,  
विद्युतीय अभियांत्रिकी

घुएँ के कश के तले मातम की छाँव ,  
और पसरी लहु की चादर, जहाँ पड़े पाँव ।  
बारूदी बादल तले बुझी इन वादियों की किलकारियाँ ,  
आखिर क्यों खींची सरहद मेरे आशियाँ के दरमियाँ ।  
साँझ हो या भोर, केवल बिलखते लोगों का शोर,  
बारूद की दहशत के गिरफ्त में है हर ओर ।  
प्यार और पसीने से तराशा हुआ मकान,  
पुरखों का तोहफा, वो परिवार का अभिमान।  
सालों से संजोया अपने खुशियों का घरौंदा,  
पल भर में एक गोले ने मिट्टी में रौंदा ।  
क्या गुनाह है इन वादियों में बस्ने वालों का,  
इन मूक झोपड़ियों, चट्टानों, नदियों-नालों का।  
ज़िन्दगी और मौत के कशमकश में पल रहे हैं,  
ज़िन्दगी की तलाश में कहीं दूर चल रहे हैं ।  
सपनों में भी दहलाती है काला धुआँ और चिंगारियाँ,  
आखिर क्यों खींची सरहद मेरे आशियाँ के दरमियाँ ॥  
सहायक क्षति कहा गया मेरे उजड़े जहान को,  
नक़शे से भी उड़ा दिया मेरे जीर्ण मकान को।  
जिहादी नारों की आड़ में मचाया है जो दंगल,  
पर ये मानने की भूल न करना के तोड़ दिया है मनोबल ।  
हथियारों की भाषा से बेंतेहाँ दहशत ज़रूर फैलाओगे,  
पर अपने मुल्क में पलने मरने की हसरत कैसे मिटाओगे ।  
इस दहशत के आगे मस्तक मई न झुका पाऊंगा,  
स्वतंत्र भारत का नागरिक हूँ मैं, अपने मुल्क फिर आऊंगा ।  
आगाज़ तो किया है जंग का, पर अंजाम हम ही देंगे मियाँ,  
आखिर खींची थी सरहद जो तुमने, मेरे आशियाँ के दरमियाँ ॥

## गुज़री हुई मोहब्बत

-अमित विश्वकर्मा  
एम.सी.ए, प्रथम वर्ष

फूल जैसे मखमली तलवों में छाले कर दिये,  
गोरे सूरज ने हजारों जिस्म काले कर दिये।  
प्यास अब कैसे बुझेगी, हमने खुद ही भूल से  
मयकदे कमजरफ लोगों के हवाले कर दिये।  
देखकर तुझको कोई मंजर न देखा उम्र भर,  
इक उजाले ने मेरी आंखों में जाले कर दिये।  
रोशनी के देवता को पूजता था कल तलक,  
आज घर की खिड़कियों के काँच काले कर दिये।  
ज़िन्दगी का कोई भी तोहफा नहीं है मेरे पास,  
खून के आंसू तो गजलों के हवाले कर दिये॥

## खुद को पाना बाक़ी है

- अतुल मेश्राम  
एम.सी.ए, द्वितीय वर्ष

मुड़ कर मैंने घर को देखा नहीं,  
खुद को लाद बस चल पड़ा,  
न किसी ने आवाज़ दी,  
मुझे कोई हमसफर मिला नहीं।

मंजिल तो अभी दूर है,  
हिम्मत के चप्पल घिसने अभी बाक़ी है,  
खानाबदोशी का तो बस एहसास हुआ है,  
ज़िंदगी की तो पूरी लड़ाई अभी बाक़ी है।

वो छोर घुंघला सा नज़र आ रहा है,  
अभी तो झितिज की ऊँचाई छूना बाक़ी है,  
उड़ते बादलों की ठंडक का एहसास बाक़ी है,  
मंजिल की चोटी पर बैठ...  
ज़मीन को निहारना अभी बाक़ी है।

ये पर्वत सामने खड़ा मुझ पर हँस रहा है,  
अभी तो इसकी कंदराओं से टकराना बाक़ी है,  
शरीर पर खरोच लगी नहीं अब तक,  
चिगारी की चिड़चिड़ाहट अभी बाक़ी है।

जिस दिन घर से निकला हूँ,  
अपनों से दूर, शरारतें करना भूल...  
मौज-मस्ती पीछे छोड़ आया हूँ,  
मुड़ कर एक दफा मील का पत्थर नहीं देखा,  
पेड़ के छाँव तले, रुककर साँस न ले पाया हूँ।

वापस घर जाने से डरता हूँ,  
क्योंकि लोग पूछेंगे...  
अपनी परछाई को हमसफर बना बैठा हूँ,  
अब तो दूर बहुत दूर आ गया मैं,  
मंजिल को पाने,  
गहरा समंदर पार करना अभी बाक़ी है।

# द स्ट्रीटवॉकर

- अजय महेंदर सिंह

## वक्त की सोच

- मनीष कुमार  
सूचना प्रौद्योगिकी, तृतीय वर्ष

वक्त के साथ कभी आदत बदल जाते हैं,  
तो कभी चाहत बदल जाते हैं।  
कभी ख्वाब बदल जाते हैं,  
तो कुछ सवालियों के जवाब बदल जाते हैं।।

वक्त के साथ कभी यार बदल जाते हैं,  
तो कभी प्यार बदल जाते हैं।  
कभी हर कोई लगता है अपना,  
तो अगले पल पता चला, था वो एक सपना ॥

कभी पूरी दुनिया लगती है रंगीन,  
तो कभी समस्याओं से गमगीन।  
ये सब होता है कभी समय का खेल,  
तो कभी अपने अपने नजरों का फेर ॥

जिसने खुले आँखों से मुस्कुरा कर देखा,  
उसे चारों तरफ दिखता है उजाला।  
वरना आँखों में आँसू लिए काले पर्दों से देखा,  
तो उसे हर रास्ता लगता है धुँधला ॥

खुशियाँ हो या गम, वक्त सबको घोल लेती है अपने साथ,  
हर वो धुँधलापन भी साफ हो जाते हैं अपने आप।  
कुछ दरवाजे बंद हो गये तो क्या हुआ !!  
मंज़िल तक पहुँचने के रास्ते हो जाते हैं और भी साफ.. ॥

खोल लो अब अपने क्षमता के पर.  
अगर चलते रहे अब तक तो जरा उड़ के देखो ऊपर।  
पता है आसमान की ऊचाईयों की कोई ऊचाई नहीं,  
कितनी खुशी मिलती है जरा देखो तो पहुँचकर अपनी  
ऊचाई के ऊपर.. ॥

जान माँगी उसने तो हमने ये समझ कर देदी कि  
कहीं इनकार के सदमें में वो अपनी जान ना दे दे.

यह मत सोचना की भूल जाएँगे तुम्हें,  
तुमसे दूर रहकर भी चाहेंगे तुम्हें,  
चाहत अगर तुमको हमारी रास ना आए,  
तो अजनबी बनकर भी याद आएँगे तुम्हें

हाँ शराब पी है हमने हर गली की दुकान से,  
अब तो जैसे दोस्ती हो गयी है इस शराब के जाम से,  
प्यार में इतने मुकाम देखे हैं हमने कि,  
अब आँखें भर आती हैं मोहब्बत के नाम से.....

चल पड़े हैं इस राह पर हम  
दर-दर की ठोकें खाते-खाते,  
जब भी ज़िंदगी से मिलना चाहा  
हर बार मौत को खड़ा पाते

## हाल-ए-दिल

- रवि प्रकाश मुण्डोतिया  
सूचना प्रौद्योगिकी, चतुर्थ वर्ष

एक लड़की थी थोड़ी पगली थोड़ी दीवानी  
जैसे हो कोई शाम की ठंडी हवा की रवानी।  
आँखों का कजरा हो या लबों की लाली  
देखते ही उसे दिल हो जाता था रुमानी।  
चलती तो मानो हवा भी झरने की तरह बहती  
कभी करती कल-कल तो कभी लगती सुहानी।  
देख के उसको हमारा मन भी कुलांचें भरने लगा  
कहने लगा बयों करदो तुम भी अपने दिल की कहानी।  
कर के हिम्मत हमने सोचा हाल-ए-दिल बताने का उसको  
नाम तुम्हारे करने को सोची है हमने अपनी जिंदगानी।  
आगे कुछ कहते हम उसे पहले वो आगे बढ़ी  
बोली मुझे भी एक बात थी तुम्हे बतानी।  
हाथों में हाथ मेरे डालकर कहने लगी  
क्यूँ ना एक कॉफ़ी से शुरू करें अपनी प्रेम कहानी।





# नीर कोशिकाएँ

- विनय प्रताप राव

द्वितीय वर्ष विद्युतीय अभियांत्रिकी

## अन्तःकरण की स्मृति

- चन्द्रकेतन साहू

तुम याद बहुत आयी थी !  
वो होठों की नरमी, वो जुल्फों के बादल,  
वो साँसों की गर्मी, वो आँखों का काज़ल  
वो यादों में बस एक भीनी सी खुशबू,  
वो उड़ता दुपट्टा, वो दिल एक घायल ।  
कभी भूलने वाली वो तेरी यादें,  
वो पीपल के नीचे की प्यारी सी बातें,  
वो बातों ही बातों में रूठना- मनाना,  
वो कानों की बाली, खनकती वो पायल ॥

तुम याद बहुत आती हो,  
सूनी सी रातों में, भोली सी बातों में,  
सावन के झूलों में, आँगन के फूलों में,  
बसंत की बेलों में, गाँव के मेलों में,  
चमकते से सोनों में, बजते हुए फ़ोनो में ।  
तारों की टिम-टिम में, बारिश की रिम-झिम में,  
भौरों की गुन-गुन में, पायल की रुन-झुन में,  
चूड़ी की खन-खन में, पागल से इस मन में  
याद बहुत आती हो जीवन के हर पल में ॥

तुम याद बहुत आओगी,  
जब बागों में कोयल के कूँ-कूँ की बोली छा जाएगी,  
जब तस्वीरों को देख-देख दिल पे गोली चल जाएगी,  
उन सपनों को याद करें जब याद तुम्हारी आएगी,  
जब साथ गुज़ारे पल की यादें मानस-पटल पर उभरेंगी ।  
कुछ भोली-भाली बातों में हम और कहीं खो जायेंगे,  
सब कुछ मनचाहा होने पर जब मन ही मन रूठ जायेगा,  
जब नाम तुम्हारा आने पर कुछ और सुनाई ही देगा,  
नज़र पे तुम चढ़ जाओगी, कुछ और दिखाई ना देगा ॥

जब-जब इतराती बारिश की बाँवली बूंदे मेरे तन को स्पर्श करती है  
तब-तब मेरी संघर्षरत बूँदों के अनसुने सच पूछ जाती हैं  
सावन की हरित प्रभा में सफलता के पतझड़ का एहसास कराती हैं  
मानो अंधकार सूर्य की किरणों पर हँस कर चली जाती है

क्यूँ मेरी बूँदों में ताजगी का संचार नहीं  
क्यूँ मेरी बूँदों में गांडीव की वो टंकार नहीं  
मेघगर्जना क्यूँ मेरे आगमन का संकेत नहीं  
क्यूँ उन्हें क्रीड़ा करने का कोई अधिकार नहीं

उन चंचल बूँदों को सिमटे हुए है नभ का आँचल  
मेरी बूँदों का नसीब है मानव तन रूपी मरुस्थल  
क्यूँ उन्हें प्राप्त है कलियों की वो मधुर मृदुल मुस्कान  
क्यूँ मेरी श्रमसिंचित बूँदों को बयां करता है थकान

जल इनमे भी समाहित है जल उनमे भी समाहित है  
स्वम पथ संरचना की निपुणता दोनों के पास है  
बूँदे ये भी हैं बूँदे वो भी हैं  
फिर भी नभ की बूँदों में न जाने क्या अलग है

सोचता हूँ कल सँवारने वाली बूँदों को न्याय दिला दूँ  
डर लगता है संसार का दूसरा अभिमन्यु ना हो जाऊँ  
फिर भी बूँदों से इतना कह सकता हूँ इस सत्य को सुनने का तू अभ्यर्थी नहीं  
क्यूँकि तेरे इस जीवनचक्र के कुरुक्षेत्र में कृष्णा जैसा कोई सारथी नहीं



# निःशब्द धिक्कार

सामने खड़ा था मैं उसके ! दिल इतनी ज़ोर-ज़ोर से धड़क रहा था कि पुछो मत । हिम्मत तो बड़ी जुटाई थी उस लिफ्ट में उसके साथ वो दो फ्लोर चलने के लिए लेकिन सारी हिम्मत का एक ही बार में जनाज़ा निकल गया जब उसकी आँखों से आँखों मिली, और सारे रटे-रटाये शब्द यूँ भूल गये जैसे कि IIT-JEE का Paper । याद रहा तो बस ये कि ससुर जी इसी फ्लोर पर कहीं अपनी गाड़ी लेकर खड़े हैं और उनकी दुलारी बिटिया को हम कोई ऐसी बात ना कह दें कि ससुर जी अपनी गाड़ी पार्किंग गराज को छोड़ कर हमारे उपर चढ़ा दें । अब जान से ज़्यादा प्यारी चीज़ क्या हो सकती है उसे छोड़ के ! और ऐसी प्रक्रिया में जब वो खुद ही जान लेने पर आ जाए तो तो फिर जीने का क्या मतलब ?

फिर भी साथ चले थे तो बात तो होनी ही थी ।

उसने पूछा "You wanted to say something ?"

क्या कहते हम ! पूछा कि "Is your father already here...? Waiting for you ?"

"I don't know! I have to go and see. "

"Okay! You carry on then."

"But you wanted to say something?? " दिल तो कर रहा था की बोल दूँ कि दिल अटक गया है तुमपे । प्यार हो गया है तुमसे और अब सोते-जागते बस तुम्हारा ही ख्याल रहता है । बताओ अब मैं क्या करूँ ? पर ऐसा बोलना इतना बड़ा जोखिम लेना था की पूछो मत । क्या पता मैडम वहाँ अपनी आँखों के अनमोल मोती निकाल देवें जैसा की हमारे एक दोस्त ने भविष्यवाणी करी थी और

फिर हमें उन मोतियों की ही नहीं पर ससुर जी की भी चिंता करनी थी । खैर मैंने सुरक्षित रास्ता लेने की सोची और कहा "I will talk some other time . "

"Are you Sure ?"

"Yeah sure ! " दिल में कितना कुछ था कहने को पर सारे शब्द इन दो शब्दों में सिमट कर रह गए ।

"Okay. Later then. Bye " .

"Bye". और फिर जुदा हो गए हम उस सप्ताह के लिए ।

और उसके साथ ही अंत हो गया उस पूरे हफ्ते की तैयारी का । वो चली गयी, हम देखते रहे और सोचते रहे कि कुछ कहना था या नहीं कहना था । देखते हैं वो अगली बार कब आता है इसी सोच के साथ उपर जाने के लिए लिफ्ट का बटन दबाया और आ गये वापस अपने उसी कार्य-स्थल पर जहाँ आधा समय उसके बारे में सोचने में जाता है और आधा समय कुछ काम का काम करने में ।

खैर अब weekend तो बोर होना ही था सो हुआ । समय काटने के लिए कुछ पुराने दोस्तों के पास एक-आध कॉल करी पर मन कुछ अजीब सा था कि ऐसे मौके को क्या सोच के हाथ से जाने दिया । पर अब गुजरा हुआ वक़्त तो उस शरीर से निकली हुई साँस के जैसे है जो एक बार चली जाए तो दुबारा वापस क्यूँ आए ? बस अब इंतज़ार किया बेसब्री से उस सोमवार का जो पहले हमेशा से इस उम्मीद से घृणित हुआ करता था कि ये आता क्यूँ है । आखिर दिल को मनाने के लिए और आँखों को उसके चहरे के दीदार से मिलने वाली ठंडक के एहसास के लिए पता नहीं किन-किन चीज़ों से मोहब्बत और किस-किससे





दुश्मनी। और फिर वो सोमवार भी आया।

मंसूबा थी की आज शाम को फिर हिम्मत करके कुछ कहेंगे पर इतनी हिम्मत दुबारा जुटाना बहुत ही कठिन काम है। गये उस क्यूबिकल संख्या 5132 पर। पूछा क्या कर रही हो? मैडम ने बताया कि कोई दुविधा है किसी प्रोग्राम के execution में। यहाँ हमारे दिल की घड़कन रुकी हुई थी और मैडम का दिमाग उस प्रोग्राम में आने वाले बग को ढूँढ रहा था। भूरे फूलों वाले पीली सी सूट में मैडम आज रोज से कहीं ज्यादा ग़ज़ब ढा रही थी, और संयोगवश हमें उस बग का भी कारण पता था सो बताया मैडम को। कोशिश करी उनके उस संगणक यंत्र पर अपने ज्ञान से उन्हें समाधान देने को। पर ऐसा समाधान कहाँ मिलने वाला था और फिर कुछ देर भी हो रहा था तो उन्होंने कहा निकलेंगी अब। कल फिर से कोशिश करेंगे मैडम के साथ। और आज वो फिर से चली गयी। हम देखते रहे बगल के दोस्त के क्यूबिकल में बैठ कर और रोते रहे अपने भाग्य पर की कुछ नहीं हो सकता हमारा।

अब इंटरनशिप के बस दस दिन बचे थे और दिमाग बार-बार एक ही बात कहता था की यदि अब अपना कुछ नहीं हो पाया तो कभी कुछ नहीं हो सकता। और ये बात कभी-कभी कुछ भी कर गुजर जाने की शक्ति देता था। अतः आज कॉफी बे में पहले ही जाकर बैठ गये 6 बजने के पहले कि अभी मैडम के आने का टाइम होगा और फिर चल चलेंगे साथ में थोड़ी दूर तक। दिन भर जान-बूझ कर आज इसीलिए उनके दर्शन को टाला था। लंच के समय भी नज़रें बचाई थी कि सीधे शाम को ही मिलेंगे और कुछ बातें करेंगे। इंतजार की घड़ी खत्म हुई और वो आई सामने से। देखा हमारी तरफ और फिर दे दी वही मुस्कान जो हमारे दिल के अंदर तक छेद करके निकल जाती है। हमने भी मुस्कराने की कोशिश करी और चाय की आधी भारी प्याली को छलकाते हुए मेज़ पर रखा और चले उनके पीछे उस सुरक्षा द्वार पर अपनी आइ डी फ्लैश करने। पर एक अपशकुन को तो भी अभी आना था आखिर चीज़ें हमारे लिए इतनी आसान कैसे हो सकती हैं? पीछे देखा तो हमारे कॉलेज के एक साथी अपना झोला उठाए चले आ रहे हैं और फिर हमको अपने बढ़ते हुए कदम रोकने पड़े क्योंकि पता था की इन वनमानुष को यदि ज़रा सी हवा भी लगी हमारे इन प्रयासों के बारे में तो इनके पेट में ये बात ना पच पाएगी और जब बात निकलेगी तो फिर दूर तलक जाएगी। और वैसे भी आज की योजना का तो वैसे भी गुड-गोबर कर ही दिया था महाशय ने। पूछा हमसे साथ चलने को पर मना कर दिया हमने और वापस आ गये अपनी तशरीफ़ लेकर उस इंतज़ार करती

हुई कुर्सी के पास।

अब आज गुरुवार था और कल के बाद फिर सप्ताहांत शुरू हो जाता। तो कुछ न कुछ उपाय तो करना था ताकि ये weekend भी इस सदमें में ना कटे कि पूछा नहीं हमने उससे। यदि पूछ लिया होता तो थोड़ी राहत हो जाती पर बात इतनी छोटी सी थोड़े थी की पूछना इतना आसान था। चलते समय कोई डर न लगे कहने में इस लिए पूरी तैयारी करी हमने की आज बिना तैयारी के जायेंगे और सीधे बात करेंगे बिना कोई बात बनाये, प्रस्तावना और भूमिका बांधने की कोई ज़रूरत नहीं समझी आज हमने। दिन भर आज भी निगाह मिलाने से बचा मैं उससे और शाम को एकदम ठीक समय पर उसके पीछे हो लिए। साथ में उसकी सहेली भी चल रही थी पर हम तो आज हट निश्चय करके गए थे की आज तो पूछना ही है। रोका उसे और संयोगवश उसकी सहेली दूसरी तरफ चली गयी लिफ्ट पकड़ने। हमने कहा “hii निधि” उसके नाम को पुकार के दिल को जो चैन मिलाता था वो अद्भुत था जैसे की कुछ ऐसे शब्द जिनको आपकी दिल ही नहीं जबान भी बार-बार पुकारना चाहती है।

वो मुस्कराते हुए बोली “hii” और उसकी वो मुस्कान दिल को छूते हुए निकल गयी। हमने पूछा धक-धक करते दिल के साथ “Going to third Floor only ?? Right ?” अब हमारे पास इससे कोई अच्छी लाइन नहीं मिल पाई आज का वार्तालाप शुरू करने के लिए और मिलती भी कैसे उसके सामने आने पर दिमाग दिल के काबू में जो आ जाता था और ऐसा लगता था जैसे कि अपनी सोचने की शक्ति पर पाला पड़ गया हो।

“Yeah”. जवाब उसी जान कर अनजान बनाने वाली मुद्रा में मिला।

“Let us take the Stairs if you don't mind!” हमने सोचा कि यदि लिफ्ट से जाते हैं तो एक तो privacy नहीं मिलाती है और साथ गुजारने के लिए समय भी कम मिलता है और बात भी वैसे सिर्फ दो फ्लोर की थी सो मैडम को भी कोई आपत्ति नहीं थी क्योंकि उनको भी तो पता ही था की कहाँ का मौसम कैसा है और आखिर आग भी तो उन्होंने ही लगायी थी।

सो उन्होंने पूछा “Ya sure! you wanted something?” फिर वही पुराना सवाल और दिल में एक तैयार जवाब कि हाँ मैडम जी आपको चाहता हूँ बस और कुछ नहीं। और दिल का जवाब बोल नहीं सकते थे तो मुह से निकल गया “No” फिर सोचा यार आज तो मामला आर या पार। आखिर कब तक ऐसे तड़प-तड़प के जियेंगे हम? तो कहा “Actually Yes.”

I wanted to ask you Out !” बहुत सोच समझ के frame किया गया वाक्य जिसमें ना कोई निराशा थी और ना ही कोई इज़हार वाली बात । बात सीधे-सीधे अपना मैसेज भी पहुंचा देगी और अपने आत्म-सम्मान को भी ठेस नहीं पहुंचेगी यदि जवाब “नहीं” आया तो । क्योंकि यह कोई सवाल तो था नहीं जिसका जवाब हाँ या नहीं में दिया जाये, यह तो एक सरल सा वाक्य था जो हमारे मन की एक छोटी सी इच्छा को बयाँ कर रहा था । आखिर कोई तो कारण देंगी वो मना करने का और हम तो यहाँ तक का प्लान बना चुके थे कि यदि बात ससुर जी से बात करने तक की आ जाये तो भी पूरी तैयारी थी । आखिर फिर कैसे हँडता वो मासूम, खूबसूरत और सब कुछ समझने वाला चेहरा सो अपना पूरा जोर लगाना तो मांगता ही था और अनुभव था नहीं खुद का इस क्षेत्र में सो हर कदम बहुत सोच समझ कर रखना होता था ।

“Oh..” एक छोटा से समय के लिए वो चुप और हमारे घड़कन की आवाज़ तक मैं सुन सकता था उन सीढियों पर छाये सन्नाटे में फिर उसने कहा “I am Committed” और ये तीन शब्द सुनकर हमारे दिल की घड़कन एकबारगी तो रुक ही गयी थी क्योंकि अपने सारे गणित विफल हो चुके थे और ये case तो हमारी सोच से बाहर था जैसे कि उसको देखा और सोचा था हमने । फिर दिमाग ने दिल का नियंत्रण लिया और सदमें से बाहर आकर बोला हमने “Oh...Good” इससे बुरा और कुछ नहीं हो सकता था उस दिन हमारे लिए पर फिर भी हमने कहा “This is what I wanted to ask that day also but I was a bit scared as I have never asked anyone out before so I didn't know how you were going to take this” उसकी नज़रें कुछ बदली हुई थी और कुछ गैर की तरह देखते हुए उसने कहा कि “I already have a boyfriend. He lives in Hostels. ” इससे पहले वो अपने बॉय-फ्रेंड के बारे में कुछ और बताती जिसमें हमको बहुत कम रुचि थी उस समय सो मैंने बीच में उसकी बात काटते हुए कहा “No Problem” “The only thing I worried was I thought your father is so protective and all so.... I didn't know which way you were going to take it....” और ये कहते हुए मैंने बात अधूरी सी छोड़ दी और तब तक तीसरी मंजिल की सीढियों का दरवाजा भी खोल दिया था उसके लिए हमने एक सज्जन की तरह और वो दरवाजा पार करते हुए एक कृत्रिम सी मुस्कान लेट हुए बोली “No No.. Nothing like that :)” हमारे पास अब कहने को कुछ नहीं था सो हमने अब उसे अलविदा कहा “Okay See

You Bye ”. और ये अलविदा कहना कुछ अलग सा महसूस हो रहा था इस तरह की पहली feeling । उसने कहा “Bye..” और फिर वो चली गयी इस तड़पते हुए दिल को तड़पता हुआ छोड़ के ।

अगले दिन सुबह जब मिली वो तो फिर उसी मुस्कराहट के साथ पर उसमें हमको बहुत ही दूरी नज़र आ रहा थी । हाल-चाल की अदला-बदली हुई फिर हमने कहा कि कल की बात को कुछ अलग तरीके से मत लेना । आगे की कुछ अगली मुलाकातों में उसने खुद से अपने बॉय-फ्रेंड के बारे में कुछ बताया जब मैं शाम को चॉकलेट देने जाता था उसके cubicle में । कुछ तथ्य ऐसे थे जो बताते थे की उसका बॉय-फ्रेंड कोई काल्पनिक पात्र नहीं है और उसके बाद तो कुछेक बार उसने हमारे चॉकलेट अपने टेबल पे छोड़ के चली जाती थी जो की हमें गैलरी में चलते हुए दिख जाता था । कष्ट होता था कभी-कभी पर दिल को मानना पड़ता था क्योंकि दूसरा कोई उपाय नहीं था । एक दिन जब Munch ले गया था और उसने कहा की इतना बड़ा चॉकलेट वो नहीं खा सकती तो मैंने कहा कि दो बार में खा लेना और वो मुस्कराने लगी फिर अचानक मेरे मुह से निकल गया की हाँ और इसे यहाँ छोड़ के मत जाना । और फिर वही अपने को पराया और पराये को अपना करने वाली नज़रें । कुछ दिन और रहा उस ऑफिस में फिर वो चेहरा उस याद का हिस्सा बन गयी जिसे न ही याद कर सकते हैं और न ही कभी भुला सकते हैं । बस उन यादों में एक कहानी बन गयी जो कह कर भी अनकही रह जाएगी और बनी कुछ कवितायें जो शायद उस तक कभी न पहुंच पाएं जिसके लिए लिखी गयी हैं ।

इस कहानी के सभी पात्र और घटनाएँ काल्पनिक हैं, इसका किसी भी व्यक्ति या घटना से कोई संबंध नहीं है। यदि किसी घटना से इसकी समानता होती है, तो उसे मात्र एक संयोग कहा जाएगा।



# धर्मातरण या मजाक

- संतोष कुमार  
तृतीय वर्ष  
यांत्रिकी अभियांत्रिकी

पटह की आवाज,  
क्रांति का आगाज,  
ये धर्मातरण नहीं,  
ये है, गरीबों का मजाक।

गरीब क्या जाने,  
राजनीति क्या होती है,  
सिर्फ जाने तो जाने,  
गरीबी क्या होती है,  
ये धर्मातरण नहीं,  
ये है गरीबों का मजाक।

जिसे खाने के लिये,  
रोटी कम पड़ जाये,  
जिसे सोने के लिये,  
बिस्तर कम पड़ जाये,  
ये धर्मातरण नहीं,  
ये है, गरीबों का मजाक।

जिसके बच्चे पाठशाला,  
ना जाकर, कबाड़ी जाये,  
कुपोषण के चलते,  
कम उम्र में, मारे जाये,  
ये धर्मातरण नहीं,  
ये है, गरीबों का मजाक।

ठेकेदार क्या जाने,  
गरीबी के बारे में,  
सिर्फ जाने तो जाने,  
मशीनरी के बारे में,  
ये धर्मातरण नहीं,  
ये है, गरीबों का मजाक।

धर्म बदलता नहीं,  
तलवारों के बल से,  
और नहीं बदलता ये,  
नमाज़, पूजा-पाठ के भ्रम से,  
इसलिए, यह धर्मातरण नहीं,  
ये है, गरीबों का मजाक।

# मुलाकातों का सिलसिला

- रवि प्रकाश मुण्डोतिया  
चतुर्थ वर्ष, सूचना प्रौद्योगिकी

पहली मुलाकात में हो गया आँखों का टकराव  
थोड़ा नज़रों का इशारा और कुछ अदाओं का भाव ।  
दूसरी मुलाकात में चाय कॉफी पर हुई कुछ बातें  
कुछ उसकी शरारते कुछ हमारी हरकतें ।  
तीसरी मुलाकात में हाथों में हाथ  
निभाने चले जनम-जनम का साथ ।  
चौथी मुलाकात में परवान चढ़ती मोहब्बत  
थोड़ा उसका प्यार थोड़ी मेरी चाहत ।  
पांचवी मुलाकात में दुनिया को खटकने लगे  
तरह-तरह की लोग बातें करने लगे ।  
छठे मुलाकात में आमना-सामना हुआ जब दोनों परिवारों का  
लगा जैसे नहीं हो पाएगा मिलन उनके सितारों का ।  
सातवी मुलाकात में मोहब्बत नहीं दर्द था  
आहों का मौसम भी थोड़ा सर्द था ।  
आठवी मुलाकात में किया जो फैसला एक होने का  
एक साथ हमसफ़र बनकर मौत को गले लगाने का ।  
नवी मुलाकात में एहसास हुआ जब दुसरे की ज़िन्दगी का  
एक और फैसला लिया अलग-अलग जीने का ।  
दसवी मुलाकात में जब होने लगे जुदा  
गले मिलकर हंसकर किया एक दुसरे को विदा ।

## ज़रा सुनो तो...

- रवि प्रकाश मुण्डोतिया  
चतुर्थ वर्ष, सूचना प्रौद्योगिकी

खामोशियाँ मेरी कुछ कहती हैं ज़रा सुनो तो  
हाल-ए-दर्द मेरा बयाँ करती हैं ज़रा सुनो तो  
टुकड़ों में टूटकर रह गया है दिल मेरा  
घड़कन मेरी ज़र्रे-ज़र्रे से ये पुकार करती है ज़रा सुनो तो  
ख्यालों में क्यूँ आज भी उसका ही नाम-ओ-निशाँ है मेरे  
नींद मेरी सपनों से ये सवाल करती है ज़रा सुनो तो  
कोरी गर्दिशों में आज भी उसकी सूरत उभर आती है  
यादें तुम्हारी इस कदर मुझे परेशाँ करती है ज़रा सुनो तो  
तकदीर के सामने मेरी मोहब्बत भी झुक गयी  
इसलिए तो कह नहीं पाए तुमसे कि हमें ज़रा सुनो तो ॥

# वो लम्हें

- गुमनाम

वो लम्हें जो मेरी ज़िन्दगी के मनमोहन पल बन गए  
वो लम्हें जो मेरे गुजारे हुए कल बन गए  
काश इन लम्हों को मैं फिर से जी पाता  
वो लम्हें जो मेरी नाम आँखों के जल बन गए

आँखों में सपनें और दिल में अरमान लिए  
एक सफ़र पे चल पड़े बिना किसी का साथ लिए  
रास्ते में कुछ नए चेहरों से मुलाकात हो गयी  
फिर तो वो ऐसे दोस्त बने जैसे रिश्ता हो उम्र भर के लिए  
वो लम्हें जो मेरे चाहने वाले मेरे दोस्त दे गए  
वो लम्हें जो न भुला पाने वाले कुछ लोग दे गए

इस सफ़र की शुरुवात हमने साथ की थी  
जान से प्यारे यारों के साथ के साथ कितनी बात की थी  
ज़िन्दगी के उन पलों को भी हमने साथ जीया था  
जिन पलों ने खुशी और ग़म दोनों से मुलाकात की थी  
वो लम्हें अब लौट के कभी आ नहीं सकते  
वो लम्हें जहाँ हम चाहेके भी जा नहीं सकते

अपने यारों के मन की बात हम बिना कहे जान लेते थे  
कौन पसंद है किसको ये थोड़े से झगड़े के बाद मान लेते थे  
NC और FC की पार्टियाँ तो रोज़ हुआ करती थी  
ख़ूबसूरत लड़कियों को कॉल कर न जाने कितने नाम लिया करते थे  
वो लम्हें जो एक धुंधली याद बन गए  
वो लम्हें जो एक यादगार किताब बन गए

Class जाने का मन न हो फिर भी Class जाया करते थे  
कुछ लोगों को Girlfriend और बाकियों को Profs बुलाया करते थे  
Exam देने की जैसी आदत सी हो गयी थी  
फिर Results देख के कोई रोते थे तो कुछ मुस्कुराया करते थे  
अजीब थे ये लम्हें जिसमें हम हँसे भी और रोये भी  
अजीब थे ये लम्हें जिसमें कुछ पाए भी और कुछ खोये भी  
इन लम्हों को एक याद बनके अपने साथ ले जाऊंगा  
इन लम्हों की दास्तान किसी और को सुनाऊंगा..... क्योंकि

वो लम्हें जो मेरी ज़िन्दगी के अनमोल पल बन गए  
वो लम्हें जो मेरे गुजारे हुए पल बन गए

यह कविता NITK LIBRARY की एक पुस्तक के बीच पाई गयी  
थी और इसके मूल लेखक के बारे में कोई जानकारी मौजूद नहीं थी

## तर्क

- संतोष कुमार  
तृतीय वर्ष  
यांत्रिकी अभियांत्रिकी

तर्कों का तर्क,  
न जाने क्या तर्क है,  
सोचना भी तर्क है,  
समझना भी तर्क है।

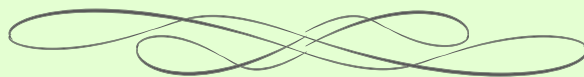
संसार भी तर्क है,  
ब्रह्माण्ड भी तर्क है,  
हर पहलु,  
तर्क ही तर्क है।

ज्ञान भी तर्क है,  
विज्ञान भी तर्क है,  
हर विचार,  
तर्क ही तर्क है।

मैं कौन हूँ,  
यह भी एक तर्क है,  
ईश्वर कौन है,  
यह भी एक तर्क है।

संसार से मैं बना,  
यह भी एक तर्क है,  
या, मुझसे संसार बना,  
यह अद्भुत तर्क है।

सोचता हूँ,  
तर्क में ही एक तर्क है,  
तर्कों में खो जाना ही,  
एक नया तर्क है।





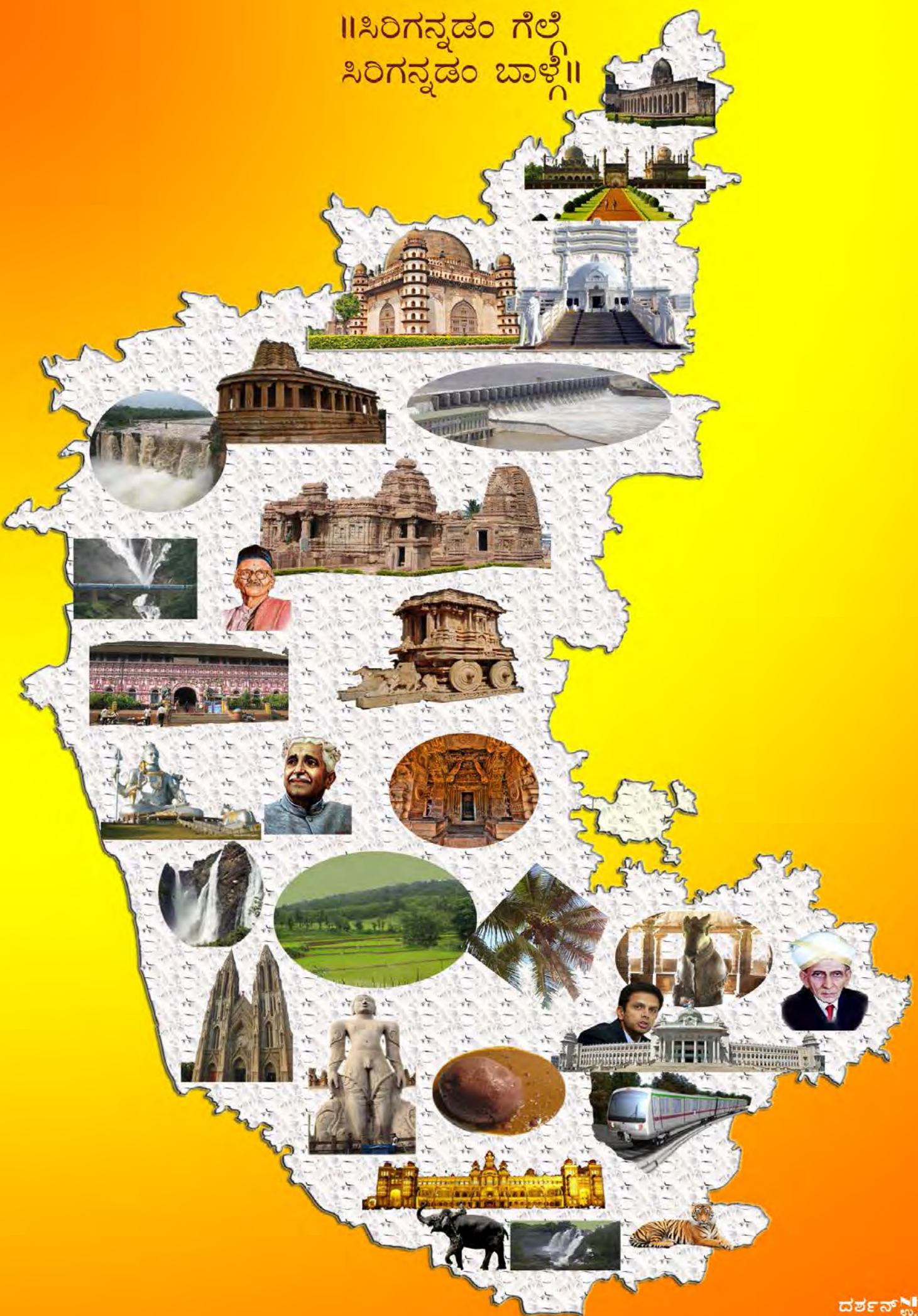
# ಕನ್ನಡ ನಾಡು

"ಕನ್ನಡ ಎನೆ ಕುಣಿದಾಡುವದೆನ್ನೆದೆ, ಕನ್ನಡ ಎನೆ ಕಿವಿ ನಿಮಿರುವದು" ಕುವೆಂಪು ಅವರ ಕವನದಂತೆ ಕನ್ನಡದ ಸಂಪಾದಕೀಯ ಕಾರ್ಯಕ್ಕಾಗಿ ಮನ ಕುಣಿದಿತ್ತು. ಶೋರ್ ಲೈನ್ ೨೦೧೫ ಕ್ಕೆ ಸಂಪಾದಕರಾಗಿ ಕೆಲಸ ಮಾಡಲು ಅವಕಾಶಸಿಕ್ಕಿದ್ದು ಪುಣ್ಯವೆ ಸರಿ. ಅರೆ ಬರೆ ಕನ್ನಡ ತಿಳಿದು ತಿದ್ದುವ ಕೆಲಸ ಸ್ವಲ್ಪ ಕಷ್ಟವೆ. ಮಾತೃ ಭಾಷೆಯ ಮಮತೆಯಲಿ ಅಭಿಯಾಂತ್ರಿಕರ ಅಂಕಣಗಳು ಹಸಿ ಬಿಸಿ ಯೋಚನಗಳಿಂದ ಕೂಡಿದ್ದರೂ ಸಹ ಒಳ್ಳೆಯ ಆಶಯವನ್ನು ಹೊಂದಿವೆ. ಬದಲಾದ ಸಂಸ್ಕೃತಿ, ಅಧುನಿಕತೆಯಲಿ ಮಾನವೀಯತೆಯ ಮಹತ್ವ, ಆಲೋಚನೆಗಳ ಆಕರ ಸಮುದ್ರ ತೀರ, ಸಕ್ಕರೆ ಸವಿಯ ಅಕ್ಕರೆಯ ಬಾಲ್ಯದಿನಗಳು ಮತ್ತು ಸ್ತ್ರೀ ಸಬಲಿಕರಣದ ಬಗೆಗಿನ ಕಾಳಜಿ, ವರ್ಣನೆ ಮತ್ತು ಅವರ ರಚನೆ ಮನ ಮುಟ್ಟದಿದ್ದರು ತಲೆ ಒಕ್ಕುತ್ತವೆ.

ಕರ್ನಾಟಕ ಕಾಲೇಜಿನಲ್ಲಿ ಕವಿಪುಂಗರು ತೊದಲ ನುಡಿಯಲಿ ಅಪ್ಪ ಅಮ್ಮ, ಸಾವು ನೋವು, ಪ್ರೀತಿ ಪ್ರೇಮ, ಸ್ನೇಹಿತೆಯ

ನಿರೀಕ್ಷೆ ಮತ್ತು ನಿವೇದನೆಗಳನ್ನು ಪೂಣಿಸಿದ ರೀತಿ ನಿಜಕ್ಕೂ ಆಶ್ಚರ್ಯಕರ ಹಾಗೂ ಅದ್ಭುತ. ಕನ್ನಡಕ್ಕಾಗಿ ಬರಹಗಳನ್ನು ಸಂಗ್ರಹಿಸುವಾಗ ಅಸಮಧಾನದ ಛಾಯೆ ಇತ್ತಾದರು ಕೆಲವು ಉಮ್ಮತ್ತಿನ ಮನಸುಗಳ ಕನ್ನಡ ಪ್ರೇಮಕ್ಕೆ ಮತ್ತವರ ಬರಹಕ್ಕೆ ಮೆಚ್ಚಲೆ ಬೇಕು. ಮುಂದೆ ಬರುವವರಿಗೆ ಕನ್ನಡನಾಡಿನ ಕನ್ನಡ ಜನತೆಗೆ ಕನ್ನಡ ಮರೆಯದಂತೆ ನೋಡಿಕೊಳ್ಳಿರಿ ಎಂದು ಹೇಳ ಬಯಸುತ್ತೆನೆ.

|| ಸಿರಿಗನ್ನಡಂ ಗೆಲೆ  
ಸಿರಿಗನ್ನಡಂ ಬಾಳೆ ||





# ಮನೆ ಸಂಸ್ಕೃತಿಯಿಂದ Restaurant Culture

ನಿಮಗೇನು ಗೊತ್ತಿರುವ ಹಾಗೆ ಚಿಕ್ಕಂದಿನ ರಜಾ ದಿನಗಳು ಹೇಗೆ ಕಳೆಯುತ್ತಿದ್ದವು? ನಮ್ಮ ನೆಚ್ಚಿನ ಅಜ್ಜ ಅಜ್ಜಿಯ ಮನೆಗೆ ಹೋಗಿ ಅಲ್ಲಿನ ಸಂಸ್ಕೃತಿ, ಜಾಗ, ಆ ವಾತಾವರಣ ಮತ್ತು ಅಜ್ಜಿ ಮಾಡಿದ ಪ್ರೀತಿಯ ಅಡುಗೆಯನ್ನು ಸವಿಯುತ್ತಾ ನಮ್ಮ ರಜೆಯನ್ನು ಕಳೆಯುತ್ತಿದ್ದೆವು. ಇಂತಹ ಸನ್ನಿವೇಶಗಳು ನಮ್ಮ ನೆನಪಿನಂಗಳದಲ್ಲಿ ಆಗಾಗ ಮೆಲಕು ಹಾಕಲು ಚಿಂದ. ಇಂತಹ ಸವಿಯಾದ ಸನ್ನಿವೇಶಗಳು ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಮಾಯವಾಗುತ್ತಿವೆ. ನಮ್ಮ ಜೀವನ ಶೈಲಿಯು ತುಂಬಾ ಹದಗೆಡುತ್ತಿದೆ. ನಮ್ಮ ಸಂಸ್ಕೃತಿಯನ್ನು ದಿನೇ ದಿನೇ ಮರೆತು ಬಿಡುತ್ತಿದ್ದೇವೆ. ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ನಮ್ಮ ಜೀವನವನ್ನು ರೂಪಿಸಿಕೊಳ್ಳಲು ನಾವು ಹಲವಾರು ಜಾಗಗಳಿಗೆ ಹೋಗಬೇಕಾಗುತ್ತದೆ ಮತ್ತು ಅಲ್ಲಿನ ಭಾಷೆ, ಸಂಸ್ಕೃತಿಯನ್ನು ಕಲಿಯಬೇಕಾಗುತ್ತದೆ. ನಮ್ಮ ಜೀವನವನ್ನು ರೂಪಿಸಿಕೊಳ್ಳಲು ನಾವು busy ಯಾಗಿದ್ದೇವೆ. ಎಷ್ಟು busy ಎಂದರೆ ನಿತ್ಯ ನವು ಮನೆಗೆ ಬರುವುದು ತಡ ರಾತ್ರಿ ಮತ್ತು ಹೊರ ನಡೆಯುವುದು ತುಂಬಾ ಬೇಗ. ನಮ್ಮ ಮನೆಯವರ ಹತ್ತಿರ ನಾವು ಮಾತನಾಡುವುದೇ ತುಂಬಾ ಅಪರೂಪವಾಗಿದೆ. ಎಷ್ಟೋ ಸಲ ನಮ್ಮ ಅಪ್ಪ ಅಮ್ಮರವರಿಗೆ ಹುಷಾರಿರುವುದಿಲ್ಲ, ವಿಷಾದದ ಸಂಗತಿಯೆಂದರೆ ಅದು ನಮ್ಮ ಗಮನಕ್ಕೆ ಬರುವುದಿಲ್ಲ. ಇದು ನಮ್ಮ ಬದಲಾದ ಜೀವನ ಶೈಲಿಯನ್ನು ಸೂಚಿಸುತ್ತದೆ.

ಪಾಶ್ಚಾತ್ಯ ಸಂಸ್ಕೃತಿಯು ಬಂದು ಎರಗಿದಂತಿದೆ. ಅದರ ಜೊತೆಗೆ ನಗರೀಕರಣ, ಜಾಗತೀಕರಣದಿಂದ ನಮ್ಮ ಸಂಸ್ಕೃತಿಯನ್ನು ಪಾಲಿಸಲು ಈಗಿನ ಪೀಳಿಗೆಗೆ

ಕಷ್ಟಸಾಧ್ಯವಾಗಿದೆ. ಕೆಲ ವರ್ಷಗಳ ಹಿಂದೆ ಮನೆಗೆ ಅತಿಥಿಗಳು, ನೆಂಟರಿಷ್ಟರು ಬಂದರೆ ಮನೆಯಲ್ಲಿ ಅವರಿಗೆ ಉಟೋಪಚಾರಕ್ಕೆಂದು ಸಿಹಿತಿಂಡಿಗಳು ಅಥವಾ ಅವರಿಗೆ ಇಷ್ಟವಾದ, ನಮಗೆ ಇಷ್ಟವಾದ ಅಡುಗೆ ಮಾಡಿ ಉಣಬಡಿಸಲಾಗುತ್ತಿತ್ತು. ಆದರೆ ಈಗಿನ busy ಜೀವನದಲ್ಲಿ ಇಂಥ ಸನ್ನಿವೇಶಗಳು ತುಂಬಾ ಕಡಿಮೆಯಾಗುತ್ತಿವೆ. ನಮಗೆ ಸಮಯದ ಅಭಾವ ಮೂಡುತ್ತಿದೆ.



ಈಗ ಅತಿಥಿ ನೆಂಟರಿಷ್ಟರು ಬಂದರೆ ಅವರನ್ನು ಹತ್ತಿರದ ಯವುದಾದರೂ restaurantಗೆ ಕರೆದುಕೊಂಡು ಹೋಗಿ ಉಟೋಪಚಾರ ಮಾಡಿ ಕೈ ತೊಳೆದುಕೊಂಡುಬಿಡುತ್ತೇವೆ. ಇಂಥದೊಂದು restaurant culture ಬೆಳೆಯುವುದರಿಂದ ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಬಹಳಾ restaurant ತಲೆಎತ್ತಿವೆ. ದಿನೇ ದಿನೇ ಜೀವನದ ಮಾಲ್ಯಗಳು ಕುಗ್ಗುತ್ತಿವೆ. ನಮ್ಮ ಸಂಸ್ಕೃತಿಯನ್ನು ನಾವು ಮರೆತುಬಿಡುತ್ತಿದ್ದೇವೆ. ಈಗಿನ ಯುವ ಪೀಳಿಗೆ ಇದಕ್ಕೊಂದು ಸತ್ಯ ನಿದರ್ಶನ. ಇವರು phone ಎಂಬ ಮಾಯಾಜಾಲಕ್ಕೆ ಬಲಿಪಶುಯಾಗಿದ್ದಾರೆ. ಅವರಲ್ಲಿ ಯೊಚನಾ ಶಕ್ತಿ, ಮಾತು,

ಕ್ರಿಯಾಶೀಲತೆ ಮುಂತಾದವು ದಿನೇ ದಿನೇ ಕುಂದುತ್ತಿವೆ. ಉಚ್ಚನಗರಗಳಲ್ಲಿ ತಮ್ಮ ನಾಡು ಭಾಷೆಯನ್ನು ಮರೆಯುತ್ತಿದ್ದಾರೆ. ಅದರ ಸಂಸ್ಕೃತಿಯನ್ನು ಕಡೆಗಣಿಸುತ್ತಿದ್ದಾರೆ. ಸ್ವಚ್ಛ ಕನ್ನಡ ಮಾತನಾಡುವವರು ಬೆರೆಳೆಣಿಕೆಯಷ್ಟೆ. ಆಂಗ್ಲ ಭಾಷೆಯು ಪಿಡುಗು ನಮ್ಮ ಯುವ ಪೀಳಿಗೆಯಲ್ಲಿ ತಲೆದೂರಿದೆ. ಬೆಂಗಳೂರಂತಹ ಮಹಾನಗರದಲ್ಲಿ ಕನ್ನಡ ಮಾತನಾಡುವವರ ಸಂಖ್ಯೆ ಅರ್ಧಕಿಂತ ಕಡಿಮೆಯಾಗಿದೆ ಮತ್ತು ಯುವ ಪೀಳಿಗೆಯ ಕನ್ನಡಿಗರಿಗೆ ಕನ್ನಡವನ್ನು ಕಲಿತು ಪ್ರಯೋಗಿಸುವುದು

ಕಬ್ಬಿಣದ ಕಡಲೆಯಾಗಿದೆ. ಯಾವುದೇ ಸಂಸ್ಕೃತಿಯ ಚೈತನ್ಯ ಅದರ ಭಾಷೆಯಲ್ಲಿ ಆಡಗಿರುತ್ತದೆ. ಭಾಷೆ ಮಾಸಿದಂತೆ ಸಂಸ್ಕೃತಿಯು ಮಾಸುತ್ತದೆ. ಈಗಿನ ಯುವ ಪೀಳಿಗೆಯ ಮಾತುಗಳು ಕಡಿಮೆ, ಅವರು electronic ವಸ್ತುಗಳಲ್ಲಿ ಕಳೆದು ಹೋಗಿದ್ದಾರೆ. ಆದರೂ ಜಗತ್ತಿನಲ್ಲಾಗುವ ವಿಷಯಗಳನ್ನು, ವಾರ್ತೆಗಳನ್ನು ತಿಳಿದುಕೊಳ್ಳೋದರ ಗೋಜಿಗೆ ಹೋಗುವುದಿಲ್ಲ. ಆ ಉಪಕರಣಗಳಲ್ಲಿ ಆಡಿಕೊಂಡು ಕಾಲವನ್ನು ವ್ಯಯಿಸುತ್ತಾರೆ.

ಈಗಿನ ಜನ ಮೈ ಬಗ್ಗಿಸಿ ಕೆಲಸ ಮಾಡುವುದು ತುಂಬಾ ಕಡಿಮೆ. ಅದರಿಂದ ದೈಹಿಕ ತೊಂದರೆಗಳಿಗೆ ಒಳಗಾಗುತ್ತಿದ್ದಾರೆ. ನಮ್ಮ ಹಳೆಯ ಅಡುಗೆಗಳು ಮಾಯವಾಗಿದೆ ಮತ್ತು ವಿದೇಶಿ ತಿನಿಸುಗಳು ತಲೆಯೆತ್ತಿ ನಿಂತಿವೆ ಮತ್ತು ಜನರು ಅದನ್ನು ಮುಗಿಬಿದ್ದು ಸವಿಯುತ್ತಿದ್ದಾರೆ. ನಮ್ಮ ಅಜ್ಜಿಯನ್ನು ಕೇಳಿದರೆ ಎಂತಹ ಕಾಲದಿಂದ ಎಂತಹ ಕಾಲದವರೆಗೂ ಬದಲಾಯಿತೆಂದು ಉದ್ಗರಿಸುತ್ತಾರೆ. ಚಿಕ್ಕಂದಿನ ಅಜ್ಜಿಯ ಕಥೆಗಳು ಮತ್ತು ಅಜ್ಜಿಯ ತಿನಿಸುಗಳು ಮರೆಯುತ್ತಿದ್ದಾರೆ. ಮಕ್ಕಳು ಮತ್ತು ಪೊಷಕರು ತುಂಬಾ ದೂರವಾಗಿದ್ದಾರೆ. ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಎಷ್ಟೊಂದು ಸಲ ಪೊಷಕರಿಗೆ ತಮ್ಮ ಮಕ್ಕಳ ಬಗ್ಗೆ ತುಂಬಾ ಗೊತ್ತಿರುವಂತೆ ಭಾಸವಾಗುತ್ತದೆ ಆದರೆ ಗೊತ್ತಿರುವುದಿಲ್ಲ. ಇಂತಹ busy ಜೀವನವನ್ನು ನಾವು ರೂಪಿಸಿಕೊಳ್ಳುವುದು ಬೇಕೆ? ನಮ್ಮ ಸಂಸ್ಕೃತಿ, ಮಕ್ಕಳು, ಹಿರಿಯರು ಮತ್ತು ನಮ್ಮ ಭಾಷೆಯನ್ನು ನಾವು ನೆನಪಿನಲ್ಲಿಟ್ಟುಕೊಂಡರೆ ಅದೇ ನಮಗೊಂದು ಗರ್ವದ ವಿಷಯ. ಇದಕ್ಕೆ ಸತ್ಯ ನಿರ್ದರ್ಶನವೆಂದರೆ ಕೇರಳಿಗರು. ನನ್ನ ಮನವಿ ಇಷ್ಟೆ ದಯವಿಟ್ಟು ನಮ್ಮ ಭಾಷೆ ಮತ್ತು ನಮ್ಮ ಸಂಸ್ಕೃತಿಯನ್ನು ನೆನಪಿಟ್ಟುಕೊಳ್ಳಿರಿ. ನಮ್ಮ ಹಿರಿಯರು ಮತ್ತು ಮಕ್ಕಳಿಗೆ ಇಂತಹ ಸಂಸ್ಕೃತಿಯ ಅರಿವನ್ನು ಮೂಡಿಸಿ ಮತ್ತು ಕನ್ನಡ ನಮ್ಮ ಭಾಷೆಯೆಂದು ಹೆಮ್ಮೆಪಡಿ.

ಶ್ಯಾಮಸುಂದರ ಮ ಶ  
ಯಾಂತ್ರಿಕ ಅಭಿಯಾಂತ್ರಿಕ  
ಅಂತಿಮ ವರ್ಷ



# ಕಾರಣ ಹೇಳದೆ ಹೋಗುತ್ತಿಹಳು

-ಉಮೇಶ್

ಯಾಂತ್ರಿಕ ಅಭಿಯಾಂತ್ರಿಕ, ಅಂತಿಮ ವರ್ಷ

ಕಾರಣ ಹೇಳದೆ ಹೋಗುತ್ತಿಹಳು  
ಸ್ನೇಹವ ಬೇಡವೆಂದು  
ದುಃಖ ತಡೆಯದೆ ಅತ್ತು ಬಿಟ್ಟು  
ಮನ ನೊಂದು  
ನೆನೆದರೆ ಕಳೆದ ಕ್ಷಣಗಳು ಒಂದೊಂದು  
ಕಣ್ಣಿರಿಗೆ ಕೊನೆ ಎಂದು  
ಜನುಮಕ್ಕ ಸಿಕ್ಕ ಗೆಳತಿಯೆಂದು  
ಗರ್ವ ಇತ್ತೊಂದು  
ತಿಳಿಯದಾದೆ ಸಲುಗೆಯಲಿ ಕೊರತೆ ಏನೆಂದು  
ತಿಳಿಸುವೇಯಾ ಅದೆನೆಂದು ?  
ಬಳಲುವೆ ಈ ನೋವನು ತಿಂದು  
ದುಃಖದಲಿ ಮಿಂದು  
ಪಡೆದುಕೊಂಡಿದ್ದೆ ಮಮತೆಯೊಂದು  
ಜಾರಿತು ಇಂದು  
ಕ್ಷಮೆಯಿರಲಿ ಮನದಲಿ ನತದೃಷ್ಟಿ ನಿಗೊಂದು  
ಕಾಯಿವೆ ಸ್ನೇಹಕೆ ಎಂದೆಂದೂ

# ಹಲವು ಒಲವು

-ಉಮೇಶ್

ಯಾಂತ್ರಿಕ ಅಭಿಯಾಂತ್ರಿಕ, ಅಂತಿಮ ವರ್ಷ

ಧಾರವಾಡ ಎಮ್ಮೆ ಕಂಡು ನೋಡು  
ಹಾಲು ಕುಡಿದು ಬೇಂದ್ರೆ ಹಾಡು ಹಾಡು  
ಕೊಲ್ಲಾರ ರಾಸು ತಳಿಯ ತಪ್ಪದೆ ನೋಡು  
ಹುಳಿ ಮೊಸರ ತಿಂದು ಹೆಸರು ಮಾಡು  
ಎಮ್ಮೆ ಎಮ್ಮೆ ನಿನಗೇನು ಕಮ್ಮಿ  
ಕರುಗೆ ಅಮೃತ ಉಣಿಸುವೆ ಚಿಮ್ಮಿ  
ಸಹಿಸು ಜನ ಬೈದರೆ ಗೊಡ್ಡ-ಎಮ್ಮೆ  
ನಿರ್ದಹಿಯನ್ನ ಕ್ಷಮಿಸು ಇನ್ನೊಮ್ಮೆ  
ಎಮ್ಮೆಯೇ! ನಾ ಕಂಡ ರೂಪ ಹಲವು  
ನೀನು ಇತ್ತ ಕ್ಷೀರ ಒಂದೇ ಸ್ವಾದವು  
ಜಾತಿ ಮತ ಧರ್ಮ ಸಹಾ ಹಲವು  
ಇಲ್ಲಿ ಯಾಕಿಲ್ಲ ಏಕರೂಪದ ಒಲವು ???



# ನಮ್ಮ ಮಹಿಳೆಯರು

"ಯತ್ರ ನಾರ್ಯಸ್ತು ಪೂಜ್ಯತೆ, ರಮತೇ ತತ್ರ ದೇವತಾ" ಎಂಬ ಉಕ್ತಿಯಂತೆ ಯಾವ ನಾಡಿನಲ್ಲಿ ಮಹಿಳೆಯರನ್ನು ಗೌರವಿಸಲಾಗುತ್ತದೋ ಅಲ್ಲಿ ದೇವತೆಗಳು ವಾಸಿಸುತ್ತಾರೆ. ಆ ನಾಡಿಗೆ ಸುಖ, ಸಂಪತ್ತು, ಶಾಂತಿ, ಸಮೃದ್ಧಿ ಲಭಿಸುತ್ತದೆ. ಪ್ರಪಂಚದಲ್ಲಿಯೇ ಉನ್ನತ ಸಂಸ್ಕೃತಿಯನ್ನು ಹೊಂದಿರುವಂತಹ ನಾಡು ಭಾರತ. ನಮ್ಮ ದೇಶದ ಪ್ರತೀಕವೇ ನಾರಿಯರು. ಪ್ರಾಚೀನ ಕಾಲದಿಂದಲೂ ನಾರಿಯರನ್ನು ತಾಯಿ ಎಂಬ ಪೂಜ್ಯಭಾವದಿಂದ ನೋಡುತ್ತಾ ಬಂದಿದ್ದೇವೆ. ವೊಫಲರ ಆಕ್ರಮಣದ ನಂತರ ನಾರಿಯರನ್ನು ಮೂಲೆ ಗುಂಪು ಮಾಡಲಾಗಿದೆ. ಪ್ರತಿ ದೇಶದ ಏಳಿಗೆಗೆ ಪುರುಷರ ಪಾತ್ರದಷ್ಟೇ ಪಾತ್ರ ಮಹಿಳೆಯರದ್ದೂ ಇರುತ್ತದೆ. ಇಂದು ಪ್ರತಿ ರಾಷ್ಟ್ರದ ಉನ್ನತ ಅಭಿವೃದ್ಧಿಗೆ ಮಹಿಳೆಯರ ಸಬಲೀಕರಣ ಪ್ರಮುಖ ಪಾತ್ರ ವಹಿಸುತ್ತದೆ.

ಪ್ರಾಚೀನ ಭಾರತದಲ್ಲಿ ನಾವು ಹಲವಾರು ಧೈರ್ಯವಂತ, ಬುದ್ಧಿವಂತ ಮಹಿಳೆಯರನ್ನು ಕಾಣಬಹುದು. ಅಂತಹವರಲ್ಲಿ ಗಾರ್ಗಿ, ಮೈತ್ರೇಯಿ ಮುಂತಾದವರು ಸಾಹಿತ್ಯ, ಅಧ್ಯಾತ್ಮ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಅತ್ಯುನ್ನತ ಸಾಧನೆ ಮಾಡಿದ್ದಾರೆ. ೧೨ನೇ ಶತಮಾನದಲ್ಲಿಯೂ ಕೂಡ ಅಕ್ಕಮಹಾದೇವಿಯು, ಬಸವಣ್ಣನವರ ಜೊತೆಗೂಡಿ ದೀನ ದಲಿತರ ಉದ್ಧಾರಕ್ಕೆ ಹಗಲಿರುಳೂ ಶ್ರಮಿಸಿದರು.

ಇಂದು ಪ್ರತಿ ದೇಶದ ಅಭಿವೃದ್ಧಿಯು ಮತ್ತು ಏಳಿಗೆಯನ್ನು ನಾವು ಒಂದು ನಾಣ್ಯಕ್ಕೆ ಹೋಲಿಸಿದರೆ, ಅದರ ಎರಡು ಮುಖಗಳು ಪುರುಷ ಮತ್ತು ಸ್ತ್ರೀ. ಪ್ರತಿಯೊಬ್ಬ ಪುರುಷನ ಏಳಿಗೆಯ ಹಿಂದೆ ಒಂದು ಮಹಿಳೆಯ ಪಾತ್ರ ಇದ್ದೇ ಇರುತ್ತದೆ.

ನಮ್ಮ ಭಾರತ ದೇಶವು

ಸ್ವತಂತ್ರವಾದ ನಂತರ ನಮ್ಮ ದೇಶದ ಏಳಿಗೆಯ ಮೇಲೆ ಅಡ್ಡವಾಗಿ ನಿಂತದ್ದು ಮಹಿಳೆಯರ ಮೇಲೆ ಆಗುತ್ತಿದ್ದಂತಹ ದೌರ್ಜನ್ಯ, ಅವರಿಗೆ ಸರಿಯಾದ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ನೀಡದಿರುವುದು. ಇತ್ತೀಚಿನ ದಿನಗಳಲ್ಲಿ ಸರ್ಕಾರವು ಮಹಿಳೆಯರ ಸಬಲೀಕರಣಕ್ಕೆ ತೆಗೆದುಕೊಂಡ ಕಾರ್ಯಕ್ರಮಗಳ ಫಲಿತಾಂಶವನ್ನು ನೋಡಬಹುದು. ಇಂದು ಮಹಿಳೆಯರು ತಾವು ಬರಿಯ ಮನೆಗೆ ಸೀಮಿತರಾಗಿರದೆ, ಎಲ್ಲ ಕ್ಷೇತ್ರದಲ್ಲಿಯೂ ತಮ್ಮ ಭಾಷನ್ನು ಮೂಡಿಸುತ್ತಿದ್ದಾರೆ. ಪುರುಷರಿಗೆ ಸರಿಸಮಾನರಾಗಿ ಪ್ರೈಪೋಟಿ ನೀಡುತ್ತಿದ್ದಾರೆ.

ಪರಿಸರದ ಮಾಲಿನ್ಯವನ್ನು ತಡೆಗಟ್ಟಲು ಗಿಡಮರಗಳನ್ನು ನೆಟ್ಟು ಪರಿಸರದ ಜಾಗೃತಿಯನ್ನು ಮೂಡಿಸುವ ಹಾದಿ ತುಳಿದ ಸಾಲುಮರದ ತಿಮ್ಮಕ್ಕ ಕೂಡ ಒಬ್ಬ ಮಹಿಳೆ. ದೇಶದ ಪ್ರಧಾನಿಯಾಗಿ ಅಭಿವೃದ್ಧಿಗಾಗಿ ದುಡಿದ ಇಂದಿರಾಗಾಂಧಿ ಅವರೂ ಕೂಡ ಒಬ್ಬ ಮಹಿಳೆ.

ಇಂದಿನ ಮಕ್ಕಳೇ ನಾಳಿನ ನಾಯಕರು ಎಂಬಂತೆ ನಮ್ಮ ದೇಶವು, ಕಲಾಂರವರ ಕನಸಿನಂತೆ ೨೦೨೦ನೇ ಇಸವಿಯಲ್ಲಿ ಪ್ರಪಂಚದಲ್ಲಿಯೇ ಪ್ರಪ್ರಥಮ ರಾಷ್ಟ್ರವಾಗಬೇಕಾದರೆ, ಮಹಿಳೆಯರ ಪಾತ್ರವು ಮುಖ್ಯವಾಗಿದೆ. ಒಗ್ಗಟ್ಟಿನಲ್ಲಿ ಬಲವಿದೆ, ಒಡಕಿನಲ್ಲಿ ಕೆಡುಕಿದೆ ಎಂದು ಹೇಳುತ್ತಾ ನನ್ನ ಲೇಖನಕ್ಕೆ ಅಲ್ಪವಿರಾಮವನ್ನು ನೀಡುತ್ತೇನೆ.

ದಯಾನಂದ  
ಪ್ರಥಮ ವರ್ಷ





## ಮೌನದ ಮಾತು

ಹೇ ನನ್ನೊಡಲ ಅಂತರಾಳದ ಪಿಸುಮಾತನು ಮೌನವಾಗಿಯೇ ಆಲಿಸುತ್ತಿರುವ ನಿನಗೆ ನಾನು ಧನ್ಯ. ನೀ ನನಗಂದಿಗೂ ವಿಶೇಷ ವಿಸ್ಮಯ. ನನ್ನ ಆತ್ಮೀಯ ಗೆಳೆಯ. ನೀ ಇರದಿದ್ದರೆ ನನ್ನಲ್ಲಿ ಭಾವನೆಗಳು ನನ್ನೊಡನೆಯ ಅವಿತು ಕೊಳೆತು ಹೋಗುತ್ತಿತ್ತೇನೋ. ನಿನ್ನ ಮೈಗೆ ಒರಗಿ ನೀ ನೀಡುವ ಸ್ವಚ್ಛಂದ ತಂಪುಸಿರು ಸವಿಯುವುದೇ ಒಂದು ಋಷಿ. ನೀ ಎಂದು ನನ್ನ ಮಾತಿಗೆ ವಿರೋಧಿಸಿದವನಲ್ಲ. ವಾದ ಮಾಡಿದವನೂ ಅಲ್ಲ. ಎಲ್ಲರು ದೂರ ಸರಿದು ನಾ ಒಂಟಿಯಾದಾಗಲು ನನ್ನ ಜೊತೆ ಇದ್ದವನು ನೀನು ಮಾತ್ರ. ನಿನ್ನ ಮೂಲಕವೇ ಇಡೀ ಜಗತ್ತನ್ನು ಕಂಡವನು ನಾನು. ನಾ ಹೋದಲ್ಲೆಲ್ಲಾ ನನಗಿಂತ ಮೊದಲೇ ನೀ ಅಲ್ಲಿರುತ್ತಿದ್ದೆ. ನನ್ನನ್ನು ಸ್ವಗತಿಸಲು ನನ್ನ ಸ್ನೇಹಿತರೆಲ್ಲಾ ಬಸ್ಸಿನಲ್ಲಿ ನಿನ್ನ ಪಕ್ಕ ಕುಳಿತುಕೊಳ್ಳಲು ಜಗಳವಾಡುತ್ತಿದ್ದಾಗ ನನಗೆ ನೀ ನನಗಿಂತ ಅದೇಷ್ಟು ಪಟ್ಟು ಅದೃಷ್ಟಶಾಲಿವೆನಿಸಿದೆ. ಆದ- 'ರು ಬಸ್ಸಿನ ಕೊನೆಯ ಸೀಟಿನಲ್ಲಿ ನನ್ನ ಮೈಗೆ ಒರಗಿ ಆ ಸ್ವಚ್ಛಂದ ಆಕಾಶವನ್ನು ನೀಡುತ್ತಾ ತಂಗಾಳಿಯ ಸವಿಯನ್ನು ಸವಿದಾಗ ನನ್ನ ಕಾಲೇಜಿನ ನೋವು, ಒತ್ತಡಗಳೆಲ್ಲವು ಗಾಳಿಯಲ್ಲಿ ಹಾಗೆಯೇ ಹಾರಿಹೋಗುತ್ತಿತ್ತು. ಆ ಮಳೆಗಾಲದ ಸಮಯದಲ್ಲಿ ನೀ ನನ್ನ ಮೇಲೆ ಎರಚುತ್ತಿದ್ದ ಎರಚಲು ನೀರು ನೀಡುತ್ತಿದ್ದ ಸಂತೋಷ ಅತೀವ. ನಿನ್ನ ಮೋಲಕವೇ ಅದೆಷ್ಟು ಮನಗಳು ಹಲವು ನಿರೀಕ್ಷೆ ಸಂತೋಷ ದುಗುಡದೊಂದಿಗೆ ಮನದೊಳಗೆ ಬರುವುದನ್ನು ಕಂಡೆ. ಅದೆಷ್ಟು ಮನಗಳು ನಿನಗೆ ಬೆನ್ನು ಮಾಡಿ ತಿರಸ್ಕಾರದಿಂದ ಹೊರ ನಡೆಯುವುದನ್ನು ಕಂಡೆ ಆದರೆ ಅಂದು ಕೂಡ ನೀ ಇಂದಿನಂತೆಯೇ ಮೌನ, ನೀ ಎಂದೆಂದಿಗೂ ನನಗೆ ಪ್ರಪಂಚದ ಅದ್ಭುತಗಳಲ್ಲೊಂದು. ಈ ಸಾಲುಗಳಲ್ಲೊಂದು ಹೇಳದೇ ನಾ ಹೇಗೆ ಮುಗಿಸಲಿ ನನ್ನ ಮನದ ಇಂಗಿತವನ್ನು ನಿನಗೆ ನೆನಪಿದೆಯೆ ಅಂದು

ನನ್ನಾಕೆಯನ್ನು ಬಸ್ ಸ್ಟಾಂಡಿನಲ್ಲಿ ತೋರಿಸಿದ್ದು ನೀನೇ. ಆಕೆ ನಿನ್ನ ಮೈಗೆ ಒರಗಿ ಸೂಸುತ್ತಿದ್ದ ಮುಗುಳ್ಳಗೆ ನನ್ನ ಮನಸ್ಸಿನಲ್ಲಿ ತಂದ ಬದಲಾವಣೆ ಹೇಳಲಾಗದು. ಅಂದು ನಿನ್ನ ಮೇಲೆ ನನಗೆ ಬಹಳಳ ಹೊಟ್ಟೆ ಕಿಚ್ಚು ಬಂದಿದ್ದು ಉಂಟು. ನೀ ನಾನಾಗಬಾರದಿತ್ತೆ ಎಂದೆನಿಸಿದ್ದು ಆಗಲೆ ಅಂದಿನಿಂದ ನಿನ್ನನ್ನು ನೋಡಲು ನಾ ಪ್ರತಿದಿನ ಬಸ್ ಸ್ಟಾಂಡಿನಲ್ಲಿ ಕುಳಿತಿರುತ್ತಿದ್ದೆ ಕ್ಷಮಿಸು ಅದು ನಿನ್ನನ್ನು ನೋಡಲು ಅಲ್ಲಿ ನಿನ್ನ, ನಿನ್ನ ಪಕ್ಕದಲ್ಲಿದ್ದ ಆಕೆಯನ್ನು ನೋಡಲು, ಆದರೆ ನಿನಗೆ ಆ ದಿನ ತಿಳಿದಿಲ್ಲ ನನ್ನಾಕೆ ಆಕೆಯ ಬಾಯ್ ಫ್ರೆಂಡ್ ನೊಂದಿಗೆ ಆತನನ್ನು ಬಿಗಿಯಾಗಿ ತಬ್ಬಿ ಸ್ಕೂಟರ್ ನಲ್ಲಿ ಹೋಗುತ್ತಿದ್ದುದು ಏಕೆಂದರೆ ನೀನು ಅಲ್ಲಿರಲಿಲ್ಲ. ಆದರು ಅಂದು ನನ್ನ ಅಳುವಿನ ಜೊತೆ ಇದ್ದವನು ನೀನೇ ನನ್ನೆಲ್ಲ ವೇದನೆಗಳನ್ನು ಮೌನವಾಗಿಯೇ ಕೇಳಿದವನು. ನಿನ್ನ ಬಳಿ ಕಣ್ಣುಚ್ಚಿ ಕುಳಿತರೆ ಬಾಲ್ಯವನ್ನು ಒಮ್ಮೆಲೆ ಕಣ್ಮರೆಯೆ ಬಂದು ಹೋಗುತ್ತದೆ . ನಾ \_\_\_\_\_ ಬರುವಾಗಲು ನನ್ನ ಸ್ನೇಹಿತರೆಲ್ಲರು ಬಸ್ ಸ್ಟಾಂಡಿನಲ್ಲಿ ಒಂಟಿಯಾಗಿ ಬಿಟ್ಟು ಹೋದರು ಆಗಲು ನೀ ನನ್ನ ಜೊತೆ . ಈ ಹಾಸ್ಟೆಲ್ ಕೊಠಡಿಯಲ್ಲಿ ನನ್ನ ಜೊತೆಗಿದ್ದೆ. ಈ ಸಾಲುಗಳನ್ನು ನಿನಗೆ ಒರಗಿ ಬರೆಯುತ್ತಿರುವೆ ಥ್ಯಾಂಕ್ ಯು ಗೆಳೆಯೆ ನನ್ನೆಲ್ಲ ಮಾತುಗಳೆಲ್ಲ ಮೌನವಾಗಿಯೇ ಕೇಳಿದ್ದಕ್ಕೆ ನನ್ನ ಜೊತೆ ಇದ್ದದ್ದಕ್ಕೆ. ಥ್ಯಾಂಕ್ ಯು ಕಿಟಕಿ



ಸಂದೀಪ್ ಎನ್  
ಎಮ್ ಎಸ್ ಸಿ, ಪ್ರಥಮ ವರ್ಷ



## ಶಂಕೆ

-ಐಶ್ವರ್ಯ ಎಮ್. ದೇವಾಡಿಗ

## ಸಾವು

-ವಿಕಾಸ

ಕಾಲ ಕಾಲ ಸರಿದು ಸಾವು ಬಂದಿತೇ,  
ಅಥವಾ ಹುಟ್ಟೇ ಸಾವಿಗೆ ನಾಂದಿಯೇ?  
ಸೃಷ್ಟಿಯು ಕಾಲವ ಹುಟ್ಟು ಹಾಕಿತು  
ತನ್ನ ಮಕ್ಕಳ ಮಲಗಿಸಲು

ಅಲ್ಲೆಲ್ಲೋ ಬಸುರಿಯು ಕೂಗುತ್ತ  
ಇಲ್ಲೆಲ್ಲೋ ಮರಣಶಯ್ಯೆಯಲಿ ಭಿಕ್ಕು ಕೂಗುತ್ತ  
ಕೂಗು ಒಂದೇ ಅರ್ಥ ಬೇರೆ  
ಹಣ್ಣೆಲೆ ಉದುರಲು, ದಾರಿ ಚಿಗುರಲೆಗೆ.

ಸಾವು ಗೆಲ್ಲಲು ಹುಂಬ ಸಾಹಸವೇಕೆ,  
ಸೃಷ್ಟಿ ಸಮತೋಲನವು ಚದುರಿಸಲೇಕೆ  
ಹತ್ತಿರ ಬರಲು ಬಲವಾಗಿ ಅಪ್ಪಿಕೋ  
ಉದಯ ಅಸ್ತಮಗಳ ಸಂಗ ಸೇರಿಕೋ

ಬೆಳಕು ಕಂಡ ಕಣ್ಣಿಗೆ  
ಕತ್ತಲ ಕಾಣಲು ಹೆದರಿಕೆಯೇಕೆ  
ಕಣ್ಣು ಮುಚ್ಚಿದರೂ ಬೆಳಕು ಕಂಡಿತು  
ಬರಿಯ ರೆಪ್ಪೆ ಮುಚ್ಚಲು ಅಂಜಿಕೆಯೇಕೆ

ಅಂಧಕಾರವು ಬಾಗಿಲ ಬಡಿದಿರಲು  
ಕಣ್ಣು ಹಣತೆಯ ತೆರೆದು ಸ್ವಾಗತಿಸು  
ಕತ್ತಲಲೇ, ನನಗೆ ಗೆಳೆಯ  
ಗೋಚರಿಸುವುದು ಬೆಳಕಿನ ಮರ್ಮ

ಮಂಜಾದ ಕಣ್ಣಿಂದ ಜಾರಿ ಬಿದ್ದ  
ನೀರ ಹನಿ ಕೆನ್ನೆಯ ಸವರಿ ಕಳೆದು  
ಹೋದಂತೆ ಮರೆಯಾಗಿತ್ತು ನೆನಪಿ  
ನಂಗಳದಿಂದ ನಿನ್ನ ನೆನಪು..

ಮತ್ತೆಂದೂ ಅವು ಮರಳಿ ನುಸುಳ  
ದಿರಲೆಂದು ಯೋಚನೆಗಳಿಗೆ  
ಬೇಡಿಯ ತೊಡಿಸಿ ಇರಬಯಸಿದೆ  
ಇಂದಿನಲಿ ಮರೆತು ನಿನ್ನೆಯ, ನಿನ್ನ..

ಆದರೂ ಅನಿಸಿದೆ ಏಕೆ ನಡೆವಾಗ  
ಚೊತೆಯಾದಂತೆ ನಿನ್ನ ನೆರಳು,  
ಖುಷಿಯಲ್ಲಿ ಕಂಡಂತೆ ನಿನ್ನ ನಗು,  
ನೋವಲ್ಲಿ ಸಂತೈಸಿದಂತೆ ನೀನು..

ನಡೆದಿದೆ ಮನದಲ್ಲಿ ಭಾವನೆಗಳ  
ತೊಳಲಾಟ, ನಿನ್ನಲ್ಲೂ ಇಹುದೇ  
ಈ ತುಡಿತ, ಗೆಳೆಯಾ ನನಗಾಗಿ  
ಮಿಡಿದಿದೆಯೇ ನಿನ್ನ ಮನ ಕೂಡ??

## ಮೋಸಹೊದ ಹೃದಯ

-ಸುನೀಲಕುಮಾರ  
ಅಂತಿಮ ವರ್ಷ

ನವ ಚೈತನ್ಯ ಮೂಡಿಸುವ ಹೆಸರು ನಿನ್ನದು ನವ್ಯ  
ನಿನ್ನ ಸೌಂದರ್ಯಕ್ಕೆ ಬೆಚ್ಚಿ ಬರೆದೆ ನಾನೊಂದು ಕಾವ್ಯ  
ಸದಾಕಾಲ ನಗುತಿರಲಿ ಆ ನಿನ್ನ ಪುಟ್ಟ ಹೃದಯ  
ಆ ನಿನ್ನ ನೆನಪು ನನ್ನ ಹೃದಯದೊಳಗೆ  
ಮಾಡಬಯಸಿತು ದೊಡ್ಡ ಗಾಯ...!

# ಅವ್ಯ

-ಬಿ. ಸಿ. ಪ್ರಮೋದ

ಅವನಿಯ ಅಂಶವು ನೀ  
ತಾಳ್ಮೆಯ ಆಗರ ನೀ  
ಮಮತೆಯ ಸಾಗರ ನೀ

ಹೂಗಳಲ್ಲಿ ತಾವರೆ ನೀ  
ಮರಗಳಲ್ಲಿ ಕಲ್ಪವೃಕ್ಷ ನೀ  
ಜೀವನದ ಸಂಜೀವಿನೀ ನೀ

ಋತುಗಳಲ್ಲಿ ವಸಂತ ನೀ  
ನಸುಕಿನ ಇಬ್ಬನಿ ನೀ  
ಮುಂಗಾರಿನ ಮಳೆ ನೀ

ಕೋಗಿಲೆ ದನಿಯು ನೀ  
ನವಿಲಿನ ನಾಟ್ಯ ನೀ  
ಪ್ರಕೃತಿಯ ಸುಧೆಯು ನೀ

ಮನೆಯ ಜ್ಯೋತಿಯು ನೀ  
ಕುಟುಂಬದ ಕೀರ್ತಿ ನೀ  
ಅಪ್ಪನ ಮನದರಸಿ ನೀ

## ಕಾದಿರುವೆ ನಿನಗಾಗಿ

- ಸುನೀಲಕುಮಾರ  
ಅಂತಿಮ ವರ್ಷ

ತಂತ್ರದಿಂದ ಪಳಗಿಸಿದೆ ನಿನ್ನ ಹೃದಯವ  
ನೀನು ಅರಿಯದೆ ಹೋದೆ ನನ್ನ ಕಷ್ಟವ  
ಯಂತ್ರವೆಂದು ಬಿಟ್ಟು ಹೋದೆ ನನ್ನ ಹೃದಯವ  
ನಿನ್ನ ನೆನಪಲೆ ಮರೆತು ಹೋದೆ ನನ್ನ ದಿನನಿತ್ಯದ ಕೆಲಸವ  
ನನ್ನವಳೆ ನೀನು ಎಂದು ಹಂಬಲಿಸುತ್ತಿದೆ ಈ ಹೃದಯವ  
ನನಗಾಗಿ ತೋರಿಸಬಾರದೆ ಚೂರು ಒಲವ  
ಸದಾ ನಿನ್ನ ಸಲುವಾಗಿ ಕಾದಿರುವ ಈ ಮನವ  
ಬಿಡೆನು ಎಂದೆಂದಿಗೂ ಈ ಭಲವ...!

# ಮರುಳು

- ವಿಕಾಸ

ಸರಿವ ಕಂಬಿಗಳ ಹಿಂದೆ  
ಓಡುವ ಜಗದ ಮರುಳು

ಗೋಳಾದ ಭೂಮಿಯ ಮೇಲೆ  
ಅಂತ್ಯವಿಲ್ಲದೆ ಓಡುವ ಕಂಬಿಗಳ ಮರುಳು

ಕಪ್ಪು ಬಿಳುಪಿನ ಜಗದೊಳು  
ಬೆಳಕು ಬಣ್ಣಗಳ ಮರುಳು

ಅಲ್ಪಕಾಲದೊಳು ಪ್ರೀತಿ-  
ಮಾಯೆಯ ಮರುಳು

ಬ್ರಹ್ಮಚರ್ಯದ ಮಾರ್ಗದೊಳು  
ಬಳಕು ವಯ್ಯಾರದ ಮರುಳು

ನಾಲ್ಕು ದಿನದ ಪಯಣಕೆ  
ಅಪರ ಹೊನ್ನಿನ ಚಿಂತೆಯ ಮರುಳು

ಭೌತಿಕ ಸುಖ ಸಂಪಾದನೆಯಿಂ  
ಜಗವನಾಳುವೆನೆಂಬ ಹುಂಬ ಮರುಳು

ಮೂರು ಶಬ್ದ ಅರಿತ ಮಾತ್ರಕೆ  
ತಾನ್ ಬುದ್ಧಿಜೀವಿಯೆಂಬ ಮರುಳು

ಕಣ್ಣ ಮುಚ್ಚಿ ಓಡುತ  
ಗುರಿಯ ಮುಟ್ಟುವೆನೆಂಬ ಮರುಳು

ಮರುಳು ಮರುಳೆಂಬ ಈ ಮೂಢನಿಗೆ  
ಮರುಳೆಲ್ಲವೂ ಈ ಜಗದೊಳು,

ಒಳಗಣ್ಣು ತೆರೆದು, ಮರುಳ ಮಾಯೆಯ ಸರಿಸು,  
ಬಡಜೀವವೇ, ಸತ್ಯದರ್ಶನಕದೇ ದಾರಿ



## ಕಳೆದುಹೋದ ಆ ದಿನಗಳು...

ಮೂರು ವರ್ಷಗಳ ಇಂಜಿನಿಯರಿಂಗ್ ಮುಗಿಸಿ ರಜೆಯಲ್ಲಿ ಎಂತದೋ ಪ್ರೊಜೆಕ್ಟ್ ಮಾಡುವ ಚಟದಿಂದ ಬೆಂಗಳೂರಿಗೆ ಬಂದು ಒಂದು ತಿಂಗಳು ಕಳೆದಿತ್ತು. ಮೊನ್ನೆ ತಮ್ಮನೊಂದಿಗೆ ಫೋನಿನಲ್ಲಿ ಸಂಭಾಷಿಸುತ್ತಿದ್ದಾಗ 'ಅಕ್ಕಾ, ನಾ ಎಂತಾ ತಿಂತಾ ಇದ್ದೆ ಹೇಳು ನೋಡುವ???' ಎಂದ. ನಾನೂ ಕೊಂಚ ಚಿಂತಿಸಿದವಳಂತೆ ನಟಿಸಿ ಕೊನೆಗೆ 'ನೀನೇ ಹೇಳೋ ಮಾರಾಯ' ಎಂದೆ. ಇವ ಎಲ್ಲಿಲ್ಲದ ಜೋಶ್ ನಿಂದ 'ಹಲಸಿನ್ದಣ್ಣು!!! ಅಣ್ಣ ಊರಿಂದ ಬರುವಾಗ ತಂದಿದ್ದೆ!!!' ಎಂದ...ನನಗೆ ಒಮ್ಮೆಲೇ ನಾಯಿಯ ಬಾಯಿಂದ ಮೂಳೆ ಕಸಿದುಕೊಂಡಾಗ ಅದಕ್ಕಾಗುವ ಅನುಭವದಂತೆ ಆಯಿತು!!! ತಮ್ಮನನ್ನೂ ಅಣ್ಣನನ್ನೂ ಬೈದುಕೊಂಡು ಫೋನಿಗೆ ಹಲಸಿನ ಹಣ್ಣಿನ ಕನಸು ಕಾಣುತ್ತಾ ಮತ್ತೆ ಲ್ಯಾಬಿಗೆ ನಡೆದೆ...

ಕೆಲವು ವರ್ಷಗಳ ಹಿಂದೆ, ನಾವಿನ್ನೂ ಶಾಲೆಗೆ ಹೋಗುವ ಪೋರರಾಗಿದ್ದಾಗ ನಮ್ಮ ಬೇಸಿಗೆ ರಜೆಯ ಮಜವೇ ಬೇರೆ ಇತ್ತು.. ದಿನವೂ ಹೊಸಬಗೆಯ ಮಂಗಾಟಗಳಿಗೆ ನಾವೇ ಜನ್ಮದಾತರು!! ಒಂದು ದಿನ ಮರ ಹತ್ತಿ ಮಾವಿನ ಹಣ್ಣು ಚೀಲಗಟ್ಟಲೆ ತುಂಬಿ ತಂದರೆ, ಆ ವಾರ ಪೂರ್ತಿ ಮನೆಯಲ್ಲಿ ಮಾವಿನ ಹುಳಿ ಮಾಡಿ ತಿನ್ನಿಸಿದರೂ ನಮಗೆ ಮಾವಿನ ಚಟ ಬಿಡುತ್ತಿರಲಿಲ್ಲ!!

ಅಣ್ಣನನ್ನು ಬಲವಂತವಾಗಿ ಎಳೆದುಕೊಂಡು ಮನೆಯ ಹತ್ತಿರವೇ ಇದ್ದ ಹೊಳೆದಂಡೆಯ ವರೆಗೆ ಹೋಗಿ ನೇರಳೆ ಮರ ಹತ್ತಿಸಿ, ಕೆಳಗಡೆ ನಾವು ಕೋತಿಗಳಂತೆ ತಲೆ ಮೇಲೆ ಮಾಡಿ ಕಾಯುತ್ತಿದ್ದೆವು. ಅವನ ಸಿಗ್ನಲ್ ಸಿಗುತ್ತಿದ್ದಂತೆ ನಾವು ಕದ್ದು ತಂದ ದೊಡ್ಡಪ್ಪನ ಲುಂಗಿಯೋ ಅಥವಾ ಇನ್ನೆಂಥದನ್ನೋ ಅಣ್ಣ ಎಸೆಯುವ ನೇರಳೆ ಹಣ್ಣನ್ನು ಕ್ಯಾಚ್ ಹಿಡಿಯಲು ಹರಡಿ ನಿಲ್ಲುತ್ತಿದ್ದೆವು!! ಡಬ್ಬಿ ತುಂಬಾ ಹಣ್ಣು ತುಂಬಿಸಿ ಹೊಟ್ಟೆ ತುಂಬಾ ತಿಂದು ಯಾರ ನಾಲಗೆ ಹೆಚ್ಚು ಕಲರ್ ಫುಲ್ ಎಂದು ವಾದಿಸುತ್ತಾ ಮರಳುತ್ತಿದ್ದೆವು!!

ಇನ್ನು ನನ್ನ ಹಲಸಿನ ಪ್ರೇಮವನ್ನು ವರ್ಣಿಸಲಸಾಧ್ಯ!! ಊಟದ ಸಮಯಕ್ಕೆ ಸರಿಯಾಗಿ ನಾನು, ಅಣ್ಣ, ತಮ್ಮ ಎಲ್ಲ ಸೇರಿ ದೊಡ್ಡದೊಂದು ಹಣ್ಣನ್ನು ಗುಳುಂ ಮಾಡಿ ಯಾರಿಗೂ ಹೇಳದೆ ಮುಳ್ಳಣ್ಣಿನ ಬೇಟೆಗೆ ಹೊರಡುತ್ತಿದ್ದೆವು!! ವಾರಕ್ಕೊಮ್ಮೆ ನಾಲ್ಕಾರು ಹಲಸಿನಕಾಯಿಗಳನ್ನು ಕೊಯ್ದು ಅಕ್ಕನೊಂದಿಗೆ ಸೇರಿ ಚಿಪ್ಪ್ ಮಾಡಿ ಚಪ್ಪರಿಸಿದ್ದು ತುಂಬಾ ನೆನಪಾಗಿದೆ ಇವತ್ತು!!!

ಅಣ್ಣನಿಗೆ ತಿಳಿಯದಂತೆ ಗೇರು ಬೀಜಗಳನ್ನು ಕದ್ದು ತಿಂದದ್ದು ಇಂದಿಗೂ ಆತನಿಗೆ ತಿಳಿದಿಲ್ಲ!! ನೀವೂ ಹೇಳ್ಬೇಡಿ

ಆಯ್ತಾ???

ಎಲಾ ಇವಳಾ.... ರಜೆಯಲ್ಲಿ ಬರೀ ತಿಂದಿದ್ದೇ ಆಯ್ತಾ ಇವಳ ಕಥೆ?? ಅಂತ ಅಂದೋಬೇಡಿ ಮತ್ತೆ!!! ಊಟದ ನಂತರ ದೊಡ್ಡವರು ಚಿಕ್ಕವರೆನ್ನದೆ ಮನೆಯ ಹಿರಿಯ ತಲೆಯಿಂದ ಹಿಡಿದು ಚಿಳ್ಳೆ ಪಿಳ್ಳೆಗಳ ವರೆಗೆ ಎಲ್ಲರೂ ಸೇರಿ ಇಸ್ವೀಟು ಆಡುತ್ತಿದ್ದುದರ ಮಜವೇ ಬೇರೆ.. ನನ್ನ ಅಡ್ಡಾಡಿ ಗುರಿಯ ಪರಿವೆಯಿದ್ದ ನಾನು ಕೇರಂ ಆಡುವಾಗ ಯಾವಾಗಲೂ ಕೇರಂ ಕಲಿ ಅಣ್ಣನ ಟೀಂಪನ್ನೇ ಸೇರುತ್ತಿದ್ದೆ!!! ಆಗಾಗ ಜಾಣ ಮಕ್ಕಳಂತೆ ಮನೆಗೆಲಸದಲ್ಲೂ ನೆರವಾಗುತ್ತಿದ್ದೆವು ಬಿಡಿ!!!

ದಿನವಿಡೀ ಇಷ್ಟೆಲ್ಲ ಕಾರ್ಯಗಳ ಕೈಗೊಂಡ ಮೇಲೆ ರಾತ್ರಿ ಬಿಸಿಬಿಸಿ ನೀರಲ್ಲಿ ಸ್ನಾನಗೈದು ಬೇಕೋ ಬೇಡವೋ ಎಂಬಂತೆ ಚೂರು ಹೊಟ್ಟೆಪೂಜೆ ಮಾಡಿ ಕಲ್ಪಿ ಹತ್ತಿ ಗೋಡೆಗೆ ಒರಗಿದರೆ ಕ್ಷಣಾರ್ಧದಲ್ಲಿ ಗೊರಕೆ ಹೊಡೆಯುವಷ್ಟು ಘೋರ ನಿದ್ರೆಗೆ ಜಾರಿಬಿಡುತ್ತಿದ್ದೆವು!! ಮತ್ತೆ ಬೆಳಗಾಗಿದ್ದು ನಮ್ಮದು ಅದೇ ದಿನಚರಿ! ಮಧ್ಯದಲ್ಲೆಲ್ಲೋ ಚೂರು ಪಾರು ಓದಿದ್ದೋ ಬರೆದಿದ್ದೋ ನಡೆದಿದ್ದಾದರೂ ನಮಗಾಗ ಅದು ಮಜವಾಗಿರಲಿಲ್ಲ!!

ಬೆಳವಣಿಗೆಯ ಹಲವಾರು ಹಂತಗಳಲ್ಲಿ ಇವೆಲ್ಲವುಗಳಿಂದ ಯಾವಾಗ ದೂರವಾದೆವೆಂಬುದೇ ತಿಳಿಯಲಿಲ್ಲ.. ಪಟ್ಟಣದ ಬದುಕು ಆರಾಮದಾಯಕವಾದರೂ ಯಾಂತ್ರಿಕತೆ ಬಹುಬೇಗ ನಮ್ಮನ್ನು ಹೈರಾಣಾಗಿ ಸುತ್ತದೆ.. ದೊಡ್ಡ ಮರವನಪ್ಪಿ ಬೆಳೆಯುವ ಲತೆ, ಆಗಸದಲ್ಲಿ ಸ್ವಲ್ಪಂದವಾಗಿ ಹಾರಾಡುವ ಹಕ್ಕಿ, ಮರಗಳ ನಡುವೆ ಕಣ್ಣಾಮುಚ್ಚಾಲೆಯಾಡುತ್ತಾ ಮಾಯವಾಗುವ ಸಂಜೆಯ ರವಿ, ರಾತ್ರಿಯ ಪೂರ್ಣಚಂದ್ರ, ಅಗಣಿತ ನಕ್ಷತ್ರಗಳ ಹಾಸು, ಎಲ್ಲವೂ ವಿಸ್ಮಯ!! ಎಷ್ಟೆಂದರೂ ನಿಸರ್ಗದ ಮಡಿಲೇ ಸ್ವರ್ಗವಲ್ಲವೇ??

'ಓಯ್!! ಕ್ಯಾ ಸೋಚ್ ರಹೆ ಹೊ???' ಎಂದು ಲ್ಯಾಬ್ ನ ಸಹಪಾಠಿ ಕರೆದಾಗ 'ನಾನಿನ್ನೂ ಇಲ್ಲೇ ಇದ್ದೇನೆ???' ಅನಿಸಿತು!!!

ಥತ್! ಎಂದು ತಲೆ ಕೊಡವಿ ಕನಸಿನ ಲೋಕದಿಂದ ಹೊರಬಂದು ಕೆಲಸ ಶುರು ಮಾಡಿದೆ!!!



ಐಶ್ವರ್ಯ ಎಮ್ಮ ರವಾಡಿಗ ಅಂತಿಮ ವರ್ಷ

# ಕಷ್ಟ-ಇಷ್ಟದ ಪ್ರತೀಕ ಹೆಣ್ಣು

ಬದಲಾವಣೆ ಜಗದ ನಿಯಮ. ಭೂಮಿ ಒಂದು ಅದ್ಭುತ ಕಲ್ಪನೆ. ವಿಶ್ವ ಒಂದು ಅದರಲ್ಲಿಯ ಅನನ್ಯ ಕಾಯ ಹೇಗೆ ಭೂಮಿ ಸದಾ ಸುತ್ತುತ್ತಲೆ ಇರುತ್ತದೆ ಹಾಗೆ ಭೂಮಿಯ ಮೆಲೆ ಸದಾ ಬದಲಾವಣೆಗಳು ಆಗುತ್ತಲೆ ಇರುತ್ತದೆ. ಅಂತಹ ಬದಲಾವಣೆಗಳ ನಡುವೆ ಮನುಷ್ಯನ ಆಸೆ .ಒಂದು ಆ ಆಸೆಗಳ ಆಗರವೇ ಇಂದಿನ ಈ ಕಷ್ಟದ ಜೀವನ. ಈ ಆಸೆಗಳು ಮಿತಿ ಮೀರಿದಾಗ ಭೂ ತಾಯಿ ಸುಮ್ಮನಿದ್ದಾಳೆಯೆ ಜ್ವಾಲೆಯಾಗಿ ಉರಿದು ನಮ್ಮನ್ನೆಲ್ಲ ಸುಡುವುದು ಖಂಡಿತ. ಅದೇ ಸಹನೆ, ಕಷ್ಟದ ಬದುಕು, ಕೊನೆಗೆ ತಾನು ಉರಿದು ಬೆರೆಯುವರಿಗೆ ಬೆಳಕು ಕೊಡುವಂತಹ ಮೇಣದ ಬತ್ತಿಯ ಕಾಯಕ, ಚಿತ್ರದ ಪ್ರತಿ ಪ್ರತಿಯಲ್ಲಿ ಕಾಣಿಸುವುದು.

ಎಲ್ಲದರ ಮೂಲ ಹೆಣ್ಣು. ಕರುಣೆಯ ಕನಿಕರ ತುಂಬಿದ ಹೆಣ್ಣು, ತ್ಯಾಗದ ಹೆಣ್ಣು, ಬಾಳಿನಲ್ಲಿ, ಬದುಕಿನ ಜಟಿಲಾ ಬಂಡಿಯಲ್ಲಿ ಏನೆ ಕಷ್ಟ ಬಂದರು ಅದನ್ನು ಭೂ ತಾಯಿ ತನ್ನ ಮಡಿಲಲ್ಲಿ ಬೆಂಕಿಯ ಉಂಡೆ ಇಟ್ಟುಕೊಂಡ ಹಾಗೆ ಒಳಗೆ ಉರಿಯುತ್ತ ಹೊರಗೆ ನಗೆ ಬೀರುವ ಹೆಣ್ಣು, ಕೊನೆಗೆ ಎಲ್ಲವನ್ನು ಸಾಧಿಸಿದ ಮೆಲೆ ಯಾರಿಗೂ ಹೇಳದೆ, ಪ್ರೀತಿ ಮದುರ, ತ್ಯಾಗ ಅಮರ ಎನ್ನುವ ಮಾತನ್ನು ನಿಜ ಮಾಡುವ ಸೀತಾ ಮಾತೆಯ ಪ್ರತಿ ರೂಪವೇ ಈ ಹೆಣ್ಣು. ಸಂಸಾರದ ಬದುಕು ಎಂಬುದು ಕಷ್ಟ ಸುಖಗಳ ಸಮಾಗಮ. ಅದರ ಪಾಲಕರು, ನಿರ್ವಾಹಕರು ಎರಡು ಗಾಲಿಗಳ ನಡುವಿನ ಸಂಬಂಧದ ಕೊಂಡಿ ಹೆಣ್ಣು ಗಂಡಿನ ಕಷ್ಟ ಸುಖಗಳ ಸ್ವೀಕಾರ ತೀರಸ್ಕಾರ ಮನೋಭಾವನೆ. ಈ ಸಂಸಾರದ ಕಣ್ಣು.

ಈ ಚಿತ್ರ ಎಷ್ಟೊಂದು ವರ್ಣಮಯವಾಗಿ ಕಂಡರೂ ಒಳ ಅರ್ಥವನ್ನು ಹುಡುಕಿದಾಗ ತೋರಿ ಬರುವುದು ಚಿತ್ರದ ಮರ್ಮ. ಹಾಗೆಯೇ ಹೆಣ್ಣಿನ ಜೀವನವು ನೊಡಲಿಕ್ಕೆ ವರ್ಣರಂಜಿತ ಚಿತ್ರದ ಹಾಗೆ ಕಂಡರೂ, ಪರದೆಯ ಹಿಂದಿನ ಆಟ ಕಾಣಿಸುವುದು ಮನಸ್ಸಿನ ಅಂತರಂಗದ ಭಾವನೆಯ ಬದುಕು ಅನಾವರಣಗೊಳ್ಳುವುದು.

ಹಾಗೆ ಹೆಣ್ಣೊಂದು ಸಾಧನೆಯ ಪ್ರತಿಬಿಂಬ. ಎಲ್ಲರಲ್ಲೂ ತಾನು ಒಬ್ಬಳು ಎನ್ನುವ ಅನುಬಂಧ. ಆಪ್ತರಿಗೆ ಕಷ್ಟ

ಬಂತೆಂದರೆ ತನ್ನದೆ ಕಷ್ಟ ಎನ್ನುವ ಭಾವನೆ ಅವಳದ್ದು. ಅದಕ್ಕೊಸ್ಕರ ಯಾವ ವ್ರತ, ಯಾವ ಕಷ್ಟವನ್ನು ಸಹಿಸಿಕೊಳ್ಳಲು ಸಿದ್ಧ. ಅದೇ ರೀತಿಯಾಗಿ ಚಿತ್ರದಲ್ಲಿ ಹಳದಿ ಸೀರೆಯ ಆ ಹೆಣ್ಣು ಅಗ್ನಿ ಪೂಜೆಯಲ್ಲಿ ನೀರತರಾಗಿ ಯಾವುದೋ ಕಷ್ಟವನ್ನು ಅಗ್ನಿದೇವತೆಗಾಗಿ ಬೇಡಿಕೊಳ್ಳುವ ಬಯಕೆ ತಾನು, ತನಗೆ ಏನು ಆಗುತ್ತಿದೆ ಪ್ರತಿಫಲವನ್ನು ಬಯಸದೆ ಪರರಿಗಾಗಿ ಅಥವಾ ತನಗಾಗಲಿ ಎನ್ನುವ ಯಾವುದೇ ಭಾವವನ್ನು ಮನಸ್ಸಿನಲ್ಲಿ ಇಟ್ಟುಕೊಳ್ಳದೆ ಅಗ್ನಿದೇವನ ಮೋರೆ ಹೋಗುವ ತವಕ. ಕೊನೆಗೆ ಬದುಕಿನಲ್ಲಿ ಸಾಧನೆಯ ಕೊನೆಯ ಮೆಟ್ಟಿಲು ಏರುವುದು, ಕಷ್ಟದ ಮೊದಲು ಮೆಟ್ಟಿಲು ಹತ್ತಿದ ಮೆಲೆ ಎನ್ನುವುದು ಈ ಚಿತ್ರ. ಹೆಣ್ಣು ಸಹನೆಯ ಸಾಗರ ಎಂದು ತೋರುವುದು ಈ ಚಿತ್ರ. ಕಾಣದ ಕಡಲಿಗೆ ಮನಸ್ಸಿನ ಹಾದಿ ಸಾಗಿದರು ಕಾಣುವ ಈ ಕಡಲಿನ ತನ್ನವರು ಚೆನ್ನಾಗಿರಲಿ ಎಂದು ತೋರುವುದು ಈ ಚಿತ್ರ. ಬದುಕಿನ ನೂರರು ಬದಲಾವಣೆಯಲ್ಲಿ. ಬದುಕನ್ನು ಬಯಕೆಯನ್ನಾಗಿಸಿದೆ ಸಾರ್ಥಕತೆಯಗೆ ನಯುವದೇ ಈ ಜೀವನ ಎಂದು ತೋರುವುದೇ ಈ ಚಿತ್ರ...!

ವಿಶ್ವನಾಥ ಗ. ಬೆಕ್ಕೇರಿ

ಎಂ. ಎಸ್ಸಿ, ೧ನೇ ವರ್ಷ





# ನನ್ನ ಹಾಡಿನ ಪಲ್ಲವಿ

- ಬಿ. ಸಿ. ಪ್ರಮೋದ

ಸ್ನೇಹದ ಸವಿನೆನಪಿನ ಇಂಪಾದ ಸ್ವರ ನೀನು,  
ಬಯಸಿರುವೆ ನಿನ್ನ ವಾಣಿಯ ಮಾಯೆಯನು;

ನನ್ನ ರಹಸ್ಯ ಹೊತ್ತಿಗೆಯ ಸಾರಾಂಶ ನೀನು,  
ಲೇಖನಿಯು ಕಾತರಿಸಿದೆ ಮೊದಲ ಅಕ್ಷರವನು;

ಇಳಿಸಂಜೆಯ ಮಧುರವಾದ ಕಲ್ಪನೆ ನೀನು,  
ಕಾದಿರುವೆ ನಿನ್ನ ಒಲವಿನ ಆಗಮನವನು;

ಮುಂಬರುವ ಕ್ಷಣದಲ್ಲಿ ನಿನ್ನ ಕಾಣುವೆನು,  
ಕಬಳಿಸಿರುವ ಪುಟ್ಟ ಹೃದಯದ ಕೋಣೆಯಲಿ;

ಬರೆಯುವೆ ನನ್ನ ಜೀವಾಳದ ಸುಮಧುರ ಹಾಡನು,  
ಆಗುವೆಯಾ ಆ ಹಾಡಿನ ಚರಣಕ್ಕೆ ಪಲ್ಲವಿ ನೀನು.

# ತನ್ನೀರಭಾವಿ ಕಡಲುತೀರ

- ಬಿ. ಸಿ. ಪ್ರಮೋದ

ಕಡಲತೀರದ ಆ ಶಾಂತ ಸೌಂದರ್ಯವನು,  
ಹೇಗೆ ತುಂಬಲಿ ಈ ನನ್ನ ಪುಟ್ಟ ಕಣ್ಣಲಿ;

ಸುಳಿಯುತ್ತಿದೆ ತಂಗಾಳಿಯ ವಿಭಿನ್ನ ನರ್ತನ,  
ಆ ತಾಳಕ್ಕೆ ಹಾಡಿದೆ ಮನವು ಸರಿಗಮ;

ಹಸಿರು ಮರಗಳ ತಂಪಾದ ನೆರಳಲಿ,  
ಕರಗುತ್ತಿದೆ ಬಳಲಿಕೆ ಅದರಡಿಯಲಿ;

ಅಲೆಗಳಲ್ಲಿ ಕಾಲನೆನೆಯುವ ಆ ಗಳಿಗೆ,  
ವರ್ಣನೆಗೆ ಸಿಗದ ಪದಪುಂಜಗಳ ಜೊಡನೆ;

ಜೊತೆಗಿರಲು ಅಪ್ಪ ಮಿತ್ರರ ಸಂಗವೂ,  
ತಂದಿದೆ ತನ್ನೀರಭಾವಿಗೆ ಮರೆಯಲಾಗದ ಬಂಧವೂ;

# ಮುಸ್ಸಂಜೆ ಮಾತು

- ಹರೀಶ್ ನಾಗರಾಜ್

ಮುಸ್ಸಂಜೆ ಸಮಯದಲ್ಲಿ  
ಕಡಲ ತೀರದಲಿ ಕುಳಿತ ನಾನು  
ಕಡಲ ರಬಸ, ಹಕ್ಕಿಯ ಸದ್ದು, ತೆಂಗಿನ ಸಿರಿ,  
ನೋಡಿ!! ಮಾಸಿದ ನೆನಪು ಮತ್ತೆ ಕಾಡಿದೆ!!  
ಅಲೆಗಳು ಮತೇ ಅಪ್ಪಳಿಸುವ ಹಾಗೆ  
ನಿನ್ನ ನೆನಪು ಕಾಡಿದೆ  
ಪಕ್ಕದಲ್ಲಿ ಬಂದು ಕೂತ ಹಕ್ಕಿ  
ಸದ್ದು ಮಾಡದೆ ಹೋದ ಹಾಗೇ!!  
ಉಸಿರಾಡುವ ಪ್ರತಿ ಉಸಿರು ಕಾಡಿದೆನಿನ್ನ ನೆನಪು  
ಕಣ್ಣು ಹನಿ ಜಾರಿ  
ಕನಸಿನ ಕನ್ಯೆ, ಹೋಗದಿರೂ ದೂರಕೆ  
ಒಮ್ಮೆ ಮನಸಿಡು ಚಲುವೆ  
ಜೋಪಾನ ಮಾಡಿ ಕಾಯುವೆ!!  
ಹೃದಯದಲ್ಲಿ ಆಸೆ, ನಿನ್ನ ಪಡೆಯುವ ಬಯಕೆ  
ಆದರೆ ನೋವೇ!! ಇಂದು ಕಾಣಿಕೆ  
ನಿನ್ನ ಬಯಸಿದ ಹೃದಯಕೆ???

# ವಿದಾಯ

- ಐಶ್ವರ್ಯ ಎಮ್. ದೇವಾಡಿಗ

ಮಗ್ಗುಲ ತಿರುಗಿಸುವ ಹೊತ್ತಿಗೆ  
ಬದಲಾಗುವ ಭಾವನೆಗಳ ಚೊತೆಗೆ  
ಸಂಘರ್ಷ ನಡೆಸಿದೆ ಮತಿಯು  
ನುಡಿದಿದೆ ಮನಕೆ, ಬೀಳಗೊಡದಿರು  
ಕಣ್ಣಂಚಿನ ಹನಿಯ..

ವಿದಾಯದ ನೋವು ಮಡುಗಟ್ಟಿಹುದು  
ಕಂಗಳಲಿ,ಆದರೂ ಮಂದಹಾಸ ಕೆನ್ನೆಯನಪ್ಪಿ  
ಮತ್ತೆ ಬರುವೆನೆಂದಿದೆ ಮೌನ ಮೆಲ್ಲಗೆ  
ಹರಸಿದೆ ಬೀಳ್ಕೊಡುಗೆಯ ಅಪ್ಪುಗೆ

ಮತ್ತಷ್ಟು ಸುಖದ ಘಳಿಗೆಗಳು  
ಸೇರಿದವು ನೆನಪಿನ ಗುಡಾರವ  
ಮಂಜಾದ ಕಣ್ಣು ತೊರೆದ ಒಂಟಿ  
ಹನಿಯು ಅಪ್ಪಿತು ಕೆನ್ನೆಯ..

## ಅಪರಿಚಿತ ಸಂಗಾತಿ

- ಬಿ. ಸಿ. ಪ್ರಮೋದ

ಮನಸ್ಸಿನ ಭಾವನೆ ಅಲೆ ಅಲೆಯಾಗಿ ಏಳುತ್ತಿವೆ,  
ಎಲ್ಲವೂ ನಿನ್ನೆಡೆಗೆ ಸಾಗುತ್ತಿವೆ.

ಮೌನದ ಬಾಗಿಲು ತೆರೆಯ ಬಯಸಿದೆ,  
ಮೊದಲ ಮಾತು ನಿನ್ನ ಹೆಸರಾಗಿದೆ.

ನನ್ನ ಕಣ್ಣೋಟ ಎಲ್ಲಾ ದಿಕ್ಕಲ್ಲಿ ಹರಡಿದೆ,  
ಯಾವ ದೃಶ್ಯವು ನೀನೇ ಎಂದನಿಸಿದೆ.

ಯನ್ನ ಪಯಣದ ಪ್ರತಿ ಹೆಜ್ಜೆಯು,  
ನಿನ್ನ ನೆರಳನ್ನೆ ಹಿಂಬಾಲಿಸಿದೆ.

ತೋರುವೆಯಾ ನಿನ್ನ ನಗು ಮೊಗದ ಚಂದವಾ,  
ಸಿಗಲಿ ನನ್ನ ಜೀವಕ್ಕೆ ಅರ್ಥವಾ.

## ನನ್ನ ಅಪ್ಪ

- ಬಿ.ಸಿ.ಪ್ರಮೋದ

ಅಪ್ಪ ಶಬ್ದ ಕೇಳಿದಾಗ ನೆನಪಾಗುವ,  
ಮೊದಲ ಪ್ರಿಯ ದೇವರು ನೀವು,

ನನ್ನ ಬಾಳ ಬಲಹೀನ ಕ್ಷಣಗಳ ಮಳೆಗೆ,  
ಬಲಿಷ್ಠವಾದ ಆಸರೆಯ ಕೊಡೆ ನೀವು,

ನನ್ನ ಎದೆಯ ವೈಭವ ಗೋಪುರದ,  
ಹೆಮ್ಮೆಯ ಸುವರ್ಣ ಕಳಸವು ನೀವು,

ನನ್ನ ಜೀವನದ ಹುಡುಕಾಟದ ಗುರಿ,  
ನಿಮ್ಮ ಮೊಗದ ಚಿರು ನಗುವಿನಲ್ಲಿ ಅಡಗಿರುವುದು,

ನಿಮ್ಮ ಕರುಣೆಯ ಆಳವನು ಹೇಗೆ ಅರಿಯಲಿ,  
ಅದು ನನಗೆ ಚಿದಂಬರ ರಹಸ್ಯವಾಗಿದೆ.





# 3D ಎಂಬ ಒಡನೂಡಿ

3D ಎಂದಾಕ್ಷಣ ಎಲ್ಲರಿಗೂ ತಕ್ಷಣ ಕಣ್ಮುಂದೆ ಬರುವುದು three Dimension ಅಂತಾನೊ ಅಥವಾ ಇನ್ನೇನೋ. ಆದರೆ ನನಗೆ ಅದು ೧೮ ಜನರ ಪ್ರೀತಿ ತುಂಬಿರುವ ನನ್ನ Hostel Wing ಮಾತ್ರ. ಪೌದು ನಾನು ಈಗ ಹೇಳಬಯಸಿರುವುದು ಈ ಎರಡು ವರ್ಷಗಳ ಕಾಲ ನಾನಿದ್ದ ಈ Wingನ ಸಹಪಾಠಿಗಳ ಬಗ್ಗೆ. ನನ್ನ NITK ಬದುಕಿನ ಈ ನಾಲ್ಕು ವರ್ಷಗಳಲ್ಲಿ ಮರೆಯಲಾಗದ ಕ್ಷಣಗಳೆಂದರೆ ಅದು ಈ “3D” life ಮಾತ್ರ. ಒಬ್ಬರ ಕಷ್ಟಕ್ಕೆ ಒಬ್ಬರು, ನಮ್ಮ ಸುಖದಲ್ಲಿ ಎಲ್ಲರನ್ನೂ ಸೇರಿಸಿಕೊಂಡು ಈ ಎರಡು ವರ್ಷಗಳನ್ನು ಕಳೆದಿದ್ದೇವೆ. ಈ ಲೇಖನ ಬರೆಯುವಾಗ ಮುಂದಿನ ನನ್ನ 3D ಇಲ್ಲದ ಬದುಕನ್ನು ನೆನೆದು ತುಂಬಾ ಬೇಚಾರು, ದುಃಖ, ವಿಷಾದವೆನಿಸುತ್ತದೆ. ಮಾವಿನಕಾಯಿ ಕದ್ದು ತಂದು ಎಲ್ಲರೂ ಹಂಚಿ ತಿಂದಿದ್ದು, ಹಲಸಿನ ಹಣ್ಣು ಬಿಡಿಸುವಾಗ ಕೈಯಲ್ಲಾ ಅಂಟಿದ್ದು, late night parties, ಮಧ್ಯರಾತ್ರಿ ಬೀಚ್‌ಗೆ ಹೋಗಿದ್ದು ಇವೆಲ್ಲವನ್ನು ನೆನೆದರೆ ಅಯ್ಯೋ ಎಲ್ಲಾ ಮುಗಿದುಹೋಯ್ತಾ ಎಂಬ ಭಾವನೆ.

ಮನೆಯಿಂದ ತಂದ ತಿಂಡಿ ತಿನಿಸುಗಳನ್ನು ಹಂಚಿಕೊಂಡು ತಿನ್ನುತ್ತಿದ್ದ ಋಷಿ ಇನ್ನೆಂದೂ ಇಲ್ಲಾ ಎಂಬುದೇ ದುಃಖದ ವಿಚಾರ. ನಮ್ಮನ್ನು ನೋಡಿ ಕೆಲ ಸ್ನೇಹಿತರು 3D Fans Club ಎಂದು ಶುರುಮಾಡಿದ್ದು ಇದೆ. ನಮ್ಮಲ್ಲಿ ಪ್ರತಿಯೊಬ್ಬರೂ ಒಂದೊಂದು ವಿದ್ಯೆಯಲ್ಲಿ ಪ್ರವೀಣರು, ತಮ್ಮದೇ ಆದ ಸಾಮರ್ಥ್ಯ ಹೊಂದಿದ್ದಾರೆ. ನಾನು ಮರೆಯಲಾಗದ ನಾವು ಆಚರಿಸಿದ ದೀಪಾವಳಿಯು ಕೂಡ ಒಂದು. ಅದರ ಅಧ್ಯಕ್ಷತೆ ನನ್ನದೇ. ಇಡೀ wing ತಳಿರು ತೋರಣಗಳಿಂದ ಸಿಂಗರಿಸಿ, ಎದುರಿಗೆ ರಂಗೋಲಿ ಹಾಕಿದ್ದು, ದೇವರ ಪೂಜೆ, ಪ್ರಸಾದವನ್ನು ಇತರರಿಗೆ ಹಂಚಿದ್ದು, ಸಾಯಂಕಾಲ ಪಟಾಕಿಗಳನ್ನು ಸುಟ್ಟಿದ್ದು ಈಗ ನೆನೆಪು ಮಾತ್ರ.

ಇನ್ನೂ ಎಷ್ಟೋ ಘಟನೆಗಳಿವೆ ಆದರೆ ಎಲ್ಲವನ್ನು ಒಂದೆ ಪುಟಗಳಲ್ಲಿ ಬರೆಯಲು ಸಾಧ್ಯವಿಲ್ಲ. ಪ್ರತಿ ಮಾತಲ್ಲೂ ಹಾಸ್ಯ, ಮನೋರಂಜನಾ ಕಲೆ, ನಗು ಇವೆಲ್ಲವೂ ನಾವು ಇನ್ನಷ್ಟು ಹತ್ತಿರವಾಗಲು ಕಾರಣವಾದ ಅಂಶಗಳು.

ಯಾವುದೇ ಸಮಯದಲ್ಲೂ ಸಿದ್ಧವಿರುತ್ತಿದ್ದ ತಮಟೆ, ಅದರೊಂದಿಗೆ ನಮ್ಮೆಲ್ಲರ ಕುಣಿತ ಇಡೀ Mega tower ನಮ್ಮ ಕಡೆ ನೋಡುವಂತೆ ಮಾಡಿದ ಉದಾಹರಣೆಗಳೂ ಇವೆ.

ಹೊಸ ವರ್ಷದ ಆಚರಣೆ ನಮ್ಮಂತೆ ಯಾರೂ ಮಾಡಿರಲ್ಲ. ಆ ಡ್ಯಾನ್ಸ್, ಆ ಮೋಜು, ಆ ಮಸ್ತಿ ಇನ್ನೂ ಕಣ್ಣಿಗೆ ಕಟ್ಟಿದಂತಿದೆ. ಭಾರತ ದರ್ಶನದಲ್ಲಿ ನಮ್ಮ ರಾಜ್ಯವನ್ನು ಉತ್ತಂಗಕ್ಕೆ ಏರಿಸಿದ್ದು ನಮ್ಮ ಉಸ್ತುವಾರಿಯಲ್ಲೆ. ಅದರಲ್ಲೂ 3D ಹುಡುಗರ ಡೊಳ್ಳು ಕುಣಿತ ಇಡೀ NITKಯೇ ಕುಣಿಯುವಂತೆ ಮಾಡಿದ್ದು ಈಗ ಬರಿ ನೆನಪು. ತದನಂತರ ಅಗರ್ತಲಾಗೆ ಹೊಗಿದ್ದನ್ನು ಮರೆಯುವಂತಿಲ್ಲ. ನಮ್ಮ ಕಾಲೇಜಿನ ಹ್ಯಾಂಡ್ ಬಾಲ್ ಟೀಂನ ಆ ಜನರು ನಮ್ಮವರೆಂಬುದೇ ನಿಜಕ್ಕೂ ಹೆಮ್ಮೆ. First flight, ಅಲ್ಲಿನ ಊಟ, ಹ್ಯಾಂಡ್‌ಬಾಲ್ ಆಟ, ಕೊಲ್ಕತ್ತಾದ ನೋಟ ನಮಗೆಲ್ಲರಿಗೂ ಒಂದು ಜೀವನ ಪಾಠ.

ಹೋಳಿ, Incidentನಲ್ಲಿ, high on colour ನಂತೆ high in 3D. ಇವೆಲ್ಲವನ್ನು ನೆನಪಿಸಿಕೊಳ್ಳುವುದಷ್ಟೆ ಇರೊಂದು. ಹೊಸ ಬಟ್ಟೆ ಹಾಕಿ ತಯಾರಾಗಿ SJAಗೆ ಮದುವೆ ಊಟಕ್ಕೆ ಹೋಗುವುದು ಒಂದು ಹವ್ಯಾಸವಾಗಿದ್ದು ವಿಶೇಷ. ಕೆಲವೊಂದು ಇರಿಸು ಮರಿಸುಗಳು, ಒಂದಿಷ್ಟು ಜಗಳ, ನಂತರದ ಮಾತು ಇವೆಲ್ಲಾ ನಮ್ಮನ್ನು ಇನ್ನಷ್ಟು ಹತ್ತಿರ ಮಾಡಿದ್ದಂತೂ ಸುಳ್ಳಲ್ಲ. ಕೊನೆಯಲ್ಲಿ ನನ್ನ 3D ಮಿತ್ರರಿಗೆ All The Best, ಮುಂದೆ ಯಾವಾಗಲೂ ಎಲ್ಲರು ಒಂದು ಕಡೆ ಸೇರೋಣ ಎಂದು ಹೇಳುತ್ತಾ ನನ್ನ ಲೇಖನಕ್ಕೆ full stop ಇಡುತ್ತಿದ್ದೇನೆ.



ದರ್ಶನ್ ಎನ್ ಎಚ್  
ಅಂತಿಮ ವರ್ಷ  
ರಾಸಾಯನಿಕ ಅಭಿಯಾಂತ್ರಿಕೆ





# ಡಬ್ಬಿಂಗ್ ಬೇಡ

ಕನ್ನಡ ಚಿತ್ರರಂಗದಲ್ಲಿ ಡಬ್ಬಿಂಗ್ ವಿರೋಧಿ ಅಲೆ ಮೊದಲಿನಿಂದಲೂ ಕೇಳಿ ಬರುತ್ತಿದೆ. ಆದರೆ ಏಕೆ ಬೇಡ ಎಂಬ ಮಾತಿಗೆ ಸಮಜಾಯಿಸಿ ನೀಡಿದ ಮಾತುಗಳು ಹಾಸ್ಯಕ್ಕೆ ಎಡೆ ಮಾಡಿ ಕೊಡುತ್ತದೆ. ಪ್ರೇಕ್ಷಕನ ಅಭಿಮತ ಕೇಳದ ಚಿತ್ರರಂಗದ ಎರಡು ಗುಂಪುಗಳ ಒಳಜಗಳ ಇತ್ತೀಚೆಗೆ ಬೀದಿಗು ಬಂದಿತ್ತು. ಸುಪ್ರೀಂ ಕೋರ್ಟ್ ತೀರ್ಪಿನಂತೆ ಡಬ್ಬಿಂಗ್ ಮಾಡಲು ಹಲವು ನಿರ್ಮಾಪಕರು ಬಯಸಿದರಾದರೂ ಅದನ್ನು ಬಿಡುಗಡೆಗೊಳಿಸುವ ಧೈರ್ಯ ಯಾರೂ ಮಾಡಲಿಲ್ಲ. ಈ ವಿಷಯ ಮಾಧ್ಯಮದವರಿಗೆ ಅನ್ನವಾಗಿ ಮಾರ್ಪಾಡಾಗುತ್ತದೆ. ಇಬ್ಬರ ಜಗಳ ಮೂರನೆಯವನಿಗೆ ಲಾಭ ಎಂಬಂತೆ ಅನ್ಯ ಭಾಷಾ ಚಿತ್ರಗಳು ಬಿಡುಗಡೆಯಾಗಿ ಸುದ್ದಿಮಾಡುತ್ತಿವೆ.

ಈಗಿನ ಚಿತ್ರರಂಗದ ಸ್ಥಿತಿಗತಿಗಳನ್ನು ಮನವರಿಕೆ ಮಾಡಿಕೊಳ್ಳದ ವ್ಯಕ್ತಿಗಳ ವ್ಯರ್ಥ ಮಾತುಗಳು ಚಿತ್ರರಂಗವು ಮತ್ತಷ್ಟು ಕುಗ್ಗಲು ಸಹಾಯ ಮಾಡಿದಂತಾಗುತ್ತದೆ. ಡಬ್ಬಿಂಗ್ ಏಕೆ ಬೇಡ ಎಂಬುದಕ್ಕೆ ಸಾಕಷ್ಟು ಪ್ರಶ್ನೆಗಳಿವೆ. ಮಕ್ಕಳಿಗಾಗಿ ಬರುವ ಮನೋರಂಜನೆ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಕನ್ನಡ ಬಿಟ್ಟು ಬೇರೆ ಎಲ್ಲಾ ಭಾಷೆಗಳಲ್ಲಿ ಪ್ರಸಾರ ಮಾಡುತ್ತಾರೆ. ಅರ್ಥವಾಗದ ಭಾಷೆಯನ್ನು ಮಕ್ಕಳು ನೋಡಬೇಕಾ... ಅಥವಾ ಇಂಥಹ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ನಿರ್ಮಾಪಿಸುವವರು ನಮ್ಮಲ್ಲಿ ಇದ್ದಾರಾ?? ಇತ್ತೀಚೆಗೆ ತೆರೆಕಂಡ ಸುದೀಪ್ ಅಭಿನಯಿಸಿದ ಈಗ ಚಿತ್ರವು ಇಡಿ ಭಾರತದಾದ್ಯಂತ ಅನ್ಯ ಭಾಷೆಗಳಲ್ಲಿ ತೆರೆಕಂಡಿತು ಆದರೆ ನಮಗೆ ಅದನ್ನು ನಮ್ಮ ಭಾಷೆಯಲ್ಲಿ ನೋಡುವ ಭಾಗ್ಯ ಇಲ್ಲವೇ ಇಲ್ಲ ಬಿಡಿ.

ಇನ್ನೂ ಹಲವು ಪ್ರಶ್ನೆಗಳಿವೆ ಆದರೆ ಡಬ್ಬಿಂಗ್ ಬೇಡ ಎಂಬುದಕ್ಕೆ ಹಲವಾರು ಉತ್ತರಗಳಿವೆ. ಸದ್ಯದ ಪರಿಸ್ಥಿತಿಯಲ್ಲಿ ಕನ್ನಡ ಚಿತ್ರಗಳಿಗೆ ವೀಕ್ಷಕರು ಕಡಿಮೆಯಾಗುತ್ತಿದ್ದಾರೆ ಎಂಬ

ಸುದ್ದಿ ಹಳೆಯದೆನಲ್ಲ. ಹಾಗೆ ಹಲವಾರು ಹಿರಿಯ ನಟರು ಅಳಿವಿನ ಅಂಚಿನೆಡೆಗೆ ಹೋಗಿದ್ದಾರೆ. ಹೀಗಿರುವಾಗ ಡಬ್ಬಿಂಗ್ ಏನಾದರೂ ಬಂದರೆ ನಮ್ಮ ಕಲಾವಿದರು ಏನು ಮಾಡುವರು ಎಂದು ಊಹಿಸಲು ಅಸಾಧ್ಯ. ಕನ್ನಡೇತರ ಭಾಷೆ ಗೊತ್ತಿರುವ ಪ್ರೇಕ್ಷಕ ಪ್ರಭುಗಳು ಡಬ್ ಮಾಡಿದ ಚಿತ್ರಗಳನ್ನು ನೋಡಲು ಇಷ್ಟಪಡುವುದಿಲ್ಲ. ಹೀಗಿರುವಾಗ ಡಬ್ಬಿಂಗ್ ಮಾಡುವ ಅವಶ್ಯಕತೆ ಏನಾದರೂ ಇದೆಯೇ. ಡಬ್ಬಿಂಗ್ ಮಾಡಲೇ ಬೇಕೆಂದವರು ಕಾರ್ಟೂನ್ ಹಾಗೂ ಅನೇಕ ಚಾನಲ್ ಗಳಲ್ಲಿ ಬರುವ ಉಪಯುಕ್ತಕಾರಿ ವಿಷಯಗಳನ್ನು ಮಾಡಿ, ವಿನಾಕಾರಣ ನಮ್ಮವರ ಹೊಟ್ಟೆ ಹೊಡೆಯುವುದು ಎಷ್ಟು ಸರಿ.



ದರ್ಶನ್ ಎನ್ ಎಚ್ ಅಂತಿಮ ವರ್ಷ ರಾಸಾಯನಿಕ ಅಭಿಯಾಂತ್ರಿಕೆ



# ಸಂದರ್ಶನ

## NITKಗೆ ಬಂದ ಮೊದಲ ಅನುಭವ?

ನಾನು ಮೊದಲು ಇಲ್ಲಿ ಬಂದಿದ್ದು 1990 ಯಲ್ಲಿ, ನಾನು ಅಂತಿಮ ವರ್ಷದ ಬಿ.ಇ ಇದ್ದಾಗ. ಆಗ ಇದು KREC. ಇಲ್ಲಿನ ವಿಧ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಿಗುವ ಸೌಲಭ್ಯ ನಿಜಕ್ಕೂ ನನ್ನ ಗಮನ ಸೆಳೆದಿತ್ತು ಹಾಗೂ ಇದನ್ನು ಸಮರ್ಪಕವಾಗಿ ಬಳಸಿಕೊಳ್ಳುವ ಆಶಯವಿತ್ತು. ನಂತರದ ದಿನಗಳಲ್ಲಿ ಎಕ್ಸಾಂ ಬರೆದು ಇಲ್ಲಿ ಎಂ ಟೆಕ್ ಸೇರಿದೆ.

## ನಿಮ್ಮ M. Tech ನ ದಿನಗಳು ಹೇಗಿದ್ದವು?

ಮೊದಮೊದಲು ಇಲ್ಲಿನ ಪರಿಸರಕ್ಕೆ ಹೊಂದಿಕೊಳ್ಳಲು ತುಂಬಾ ಕಷ್ಟವಾಗಿತ್ತು. ಇಲ್ಲಿನ ಊಟ, ಸೆಕೆ ಬೇಸರ ತರಿಸಿದ್ದು ನಿಜ. ಆದರೆ ಉತ್ತಮ ಗೆಳೆಯರು ಸಿಕ್ಕಿದ್ದು ಖುಷಿ ವಿಚಾರ. PG ಗ್ರೌಂಡ್‌ನಲ್ಲಿ ಆಡುತ್ತಿದ್ದ ಕ್ರಿಕೆಟ್ ಇನ್ನೂ ನೆನಪಿದೆ. ದಿನಾ ಸಾಯಂಕಾಲ ಬೀಚ್ ಗೆ ಹೋಗುತ್ತಿದ್ದದ್ದು ವಿಶೇಷ. ನಂತರ ಇಲ್ಲೇ ಪಿ ಎಚ್ ಡಿ ಮಾಡಲು ನಿರ್ಧರಿಸಿದೆ. ಅದರಲ್ಲಿ ನನಗೆ best paper ಅವಾರ್ಡ್ ಸಿಕ್ಕಿದ್ದು ಹೆಮ್ಮೆಯ ಸಂಗತಿ.

## ಪಿ.ಎಚ್.ಡಿ. ನಂತರದ ದಿನಗಳು?

ಪಿ ಎಚ್ ಡಿ ಮುಗಿಯುತ್ತಿದ್ದಂತೆಯೇ ನನಗೆ ಇಲ್ಲಿ

ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕನಾಗಿ ಕೆಲಸ ಮಾಡಲು ಅವಕಾಶ ಸಿಕ್ಕಿತು. ನಂತರ ಹೊಸ್ಟೆಲ್ ವಾರ್ಡನ್ ಆದಮೇಲಂತೂ ಜವಾಬ್ದಾರಿ ಇನ್ನೂ ಹೆಚ್ಚಾಯ್ತು. ಖಾಸಗಿ ಮೆಸ್‌ನ್ನು ಇಲ್ಲಿ ಶುರುಮಾಡಿಸಲು ಸೋಚಿಸಿದ್ದೆ. ಇನ್ನಿ ಕ್ರಿಸೆಂಡೋ ಸಮಯದಲ್ಲಿ ನಮ್ಮ ವಿಧ್ಯಾರ್ಥಿಗಳ ಪ್ರತಿಭೆ ಕಂಡು ನಿಜಕ್ಕೂ ಬೆರಗಾದೆ.

## KREC ಇಂದ NITK ಆದಾಗ ಆದ ಬದಲಾವಣೆಗಳು?

ಹೆಚ್ಚಿನ ವ್ಯತ್ಯಾಸಗಳೇನು ಕಾಣುತ್ತಿಲ್ಲ. ಈಗ ಇರುವಷ್ಟು ಬಿಲ್ಡಿಂಗ್ ಗಳು ಆಗ ಇರಲಿಲ್ಲ. ಯೆಆರ್ ವೈಸ್ ಸ್ಪರ್ಧೆಗಳು ನಡೆಯುತ್ತಿದ್ದವು ಈಗ ಕಾಣಬರುತ್ತಿಲ್ಲ. ಇನ್ನುಳಿದಂತೆ ಎಲ್ಲಾ ಯಥಾಪ್ರಕಾರ ಈಗಿನಂತೆಯೇ ಇದೆ.

## ವಿಧ್ಯಾರ್ಥಿಗಳಿಗೆ ನಿಮ್ಮ ಮಾತು.

ನೀವೆಲ್ಲಾ ಪ್ರತಿಭಾವಂತರು, ಆದರೆ ಸುಮ್ಮನೆ ಅದನ್ನು ವ್ಯಯಿಸಬಾರದು. ನಿಮ್ಮ ಗುರಿಯತ್ತ ಸಾಗಲು ಇಲ್ಲಿರುವ ಸೌಲಭ್ಯಗಳನ್ನು ಪಡೆಯಿರಿ. ಯಾರ ಬಗ್ಗೆಯೂ ಕೀಳರಿಮೆ ಬೇಡ. ಅವರವರಿಗೆ ಅವರದೇ ಆದ ವಿಶೇಷತೆಗಳಿರುತ್ತದೆ ಅದನ್ನು ಗುರುತಿಸಿ ಯಶಸ್ಸಿನತ್ತ ಸಾಗಬೇಕು. ಮತ್ತು ಆಲ್ ದಿ ಬೆಸ್ಟ್.

1990ರಿಂದ ಇಲ್ಲಿಯವರೆಗೆ ನಮ್ಮ ಸಂಸ್ಥೆಯಲ್ಲಿ ಸೇವೆ ಸಲ್ಲಿಸುತ್ತಿರುವ ಡಾ|| ಬಿ. ಎಮ್. ದೊಡ್ಡನಿಯವರಿಗೆ ಮೊದಲು ನಮ್ಮ ನಮನಗಳು. ಸಂಸ್ಥೆಯ ಹಾಗೂ ವಿಧ್ಯಾರ್ಥಿಗಳ ಕಲ್ಯಾಣಕ್ಕಾಗಿ ಶ್ರಮಿಸುತ್ತಿರುವ ಇವರು ಪ್ರಸ್ತುತ ಹಾಸ್ಟೆಲ್ ವಾರ್ಡನ್, ಮತ್ತು SC/ST cell ಮುಖ್ಯಾಧಿಕಾರಿಯಾಗಿ ಸೇವೆ ಸಲ್ಲಿಸುತ್ತಿದ್ದಾರೆ. ನಮ್ಮ ಕರೆಗೆ ಓಗೊಟ್ಟು ತಮ್ಮ ಅಮೂಲ್ಯವಾದ ಸಮಯವನ್ನು ವ್ಯಯಿಸಿದ ಇವರಿಗೆ ನಮ್ಮ ಧನ್ಯವಾದಗಳು.

- ಸಂಪಾದಕರು

ಸಮುದ್ರವು ನೀಲಿ ಆಗಸವನ್ನು ಪ್ರತಿಬಿಂಬಿಸುತ್ತ, ಆ ಮುಳುಗುವ ರವಿಯ ಕೆಂಪಾದ ಬಣ್ಣದ ರುರಿಯಿಂದ ಮಿನುಗುತ್ತಿತ್ತು. ಅದರ ಅನಂತವಾದ ನೀರಿನ ಭಂಡಾರ, ಬಾನಂಚಿನವರೆಗೂ ಹೋಗುವ ದೃಷ್ಟಿ ನಮ್ಮ ತಿಳುವಳಿಕೆಗೆ ಮೀಸಲಾಗುವುದಿಲ್ಲ, ನಾವು ಕೇವಲ ಅದರ ಬಗ್ಗೆ ವಿಮರ್ಶಿಸಬಹುದು.

ನಮಗೆಲ್ಲ ಜ್ಞಾನದ ದಾಹವಿದ್ದೆ ಇದೆ; ಆದರೆ ಚಿರವಾದ ಜ್ಞಾನದ ಭಂಡಾರವೇ ಈ ಸಮುದ್ರ! ಈ ಸಮುದ್ರ ತೀರದಲ್ಲೆ ಇರುವ ನಾವು ಅದರಿಂದ ಸ್ಪೂರ್ತಿ ಹೊಂದಬೇಕು, ಪ್ರೇರೇಪಿತಗೊಳ್ಳಬೇಕು. ಸಮುದ್ರ ನೀರು ಅಪಾರ ಜ್ಞಾನಹೊಂದಿದ್ದರು ನಾವು ಅದನ್ನು ಕುಡಿಯಲಾಗುವುದಿಲ್ಲ. ಆ ಜ್ಞಾನವನ್ನು ಹೀರಲು, ಒಬ್ಬ ಗುರು ಅದನ್ನು ಶೋಧಿಸಿ, ಶುದ್ಧ ಮಾಡಿ ನಮಗೆ ನೀಡಬೇಕು. ವಿದ್ಯೆ ಗಳಿಸಲು ಗುರುವಿನ ಅವಶ್ಯಕತೆ ಅತ್ಯಗತ್ಯ. ಸಮುದ್ರದ ಅಲೆಗಳು ಹೇಗೆ ಬಿದ್ದರು, ಮತ್ತೆ ಮತ್ತೆ ಏಳುತ್ತದೆಯೋ, ಹಾಗೆಯೇ, ನಮ್ಮ ವಿದ್ಯಾರ್ಥಿ

ಜೀವನದಲ್ಲಿ ಏಳು ಬೀಳುಗಳಿದ್ದರೂ, ಮತ್ತೆ ಶ್ರಮ ಪಟ್ಟು ಮೇಲೆಬರಬೇಕು. ಸಮುದ್ರದ ಕ್ರಿಯಾತ್ಮಕ ಗುಣದಂತೆ, ನಮ್ಮ ಅಭಿಯಂತ್ರಣ ವಿದ್ಯಾರ್ಥಿಗಳ ಸ್ವಭಾವ ಇರಬೇಕು.

ಆ ಮುಳುಗುವ ಸೂರ್ಯ ನಮ್ಮ ಜೀವನದಲ್ಲಿ ಅಂಧಕಾರ ಅನವರತ ಎಂದು ಹೇಳುತ್ತದೆ, ಆದರೆ ನಾಳೆ ಮತ್ತೆ ಕಗ್ಗತ್ತಲನ್ನು ಹೋಗಲಾಡಿಸಿ ಆ ಪ್ರಜ್ವಲಿಸುವ ಸೂರ್ಯನಂತೆ ಮತ್ತೆ ಹುಟ್ಟಿ ಬರಬೇಕು. ನಾವು ಎಷ್ಟೇ ದೊಡ್ಡವರಾಗಿದ್ದರೂ ಆ ಅಬುಧಿಯ ಗಾತ್ರದ ಮುಂದೆ ಒಂದು ಕಣದಂತೆ. ನಮ್ಮ ಅಹಂಕಾರ ಆ ಸಮುದ್ರದ ರಭಸದ ಅಲೆಗಳಲ್ಲಿ ಕೊಚ್ಚಿಹೋಗುತ್ತದೆ.

ನಮ್ಮ “ಎನ್.ಐ.ಟಿ.ಕೆ” ಸಮುದ್ರ ತೀರಾ ನನ್ನನ್ನು ಕರೆಯುತ್ತದೆ , ಈ ಆಲೋಚನೆಗಳಲ್ಲಿ ಮೈಮರೆಸುತ್ತದೆ.

# ಸಮುದ್ರತೀರ ಆಲೋಚನೆಗಳ ಸಂಗಮ



ಎಸ. ಸುಹಾಸ್, ಪ್ರಥಮ ವರ್ಷ





LIFT

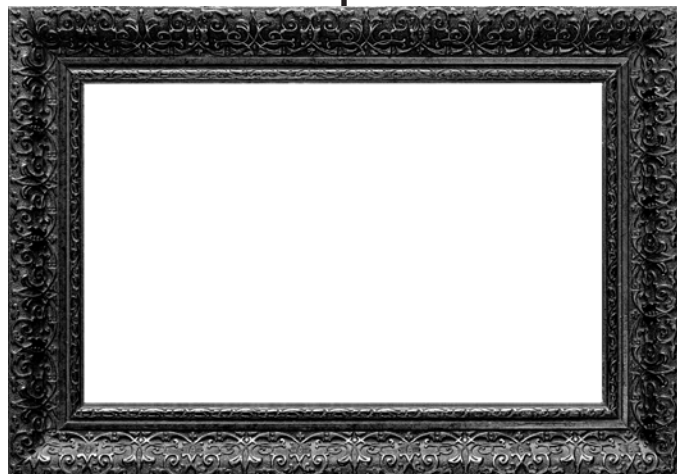
THINK  
CREATE  
ENGINEER







# Photo Gallery





# Chemical Engineering B. Tech



- G Madhusudhan, Balagopal K V, Pasila Praveen Kumar, Kushal K, Akshay Navin, Souvik Das, Himanshu Kumar, Varun Moka, Nikil Thakkar, Jaipal Pai, Ashik Gangadharan, Tala Hemanth Kumar, Muttappa Gowda, Pawan Kumar, Purushottam Deshpande, Sai Prasad Shetty, V S Pavan Kumar, Sachin Kumar, Gibran Khan, Mervin Joseph.
- U K Rakshith, Arjun V, Praveen Kumar, Sridar M Naik, Khade Pavan Ashok, Aarati Makkada, Sivathatchayani T, Pearl Philip, Shalini Suresh Kumar, Apoorva Bademi, Pritha Sao, Jahnavi K, Anjali Rebecca Nelliat, Mukta Anant, Rathlavath Raju, M Mithun Bylappa, Nitin Solanki, Prasanta Burman, Pranav Karanth, Arjun V P, Roshan John Cherian, Praveen P Suvarna.
- Mervyn Rohit Soams(Class Representative), Mr. K Balakrishna, Dr. Keyur Raval, Dr. Rajmohan, Dr. A N Shetty, Dr. Ruben Sudhakar, Dr. Vidhya Shetty K(HOD), Dr. M B Saidurta, Dr. Prasana B D, Dr. D V R Murthy, Dr. I Regupathi, Dr. Jagadeesh Babu, Dr. D R Trivedi, Darshan N H.



# Civil Engineering B. Tech



- Prajwal K Aithal, Nagaraj Angadi, Vikas Yadav, Patel Jay Mahendra, Vishal Thakur, Praneet Kumar, Arun A, Vishnu Rajesh, Mayank Tulsiani, Sriram S, Vishnu Chaudhary, Dharmendra Kumar, Navratan, Arvind Kumar, Rajesh Kumar Sublania, Ravi Kumar, Sagar L, K Dhileep, Rohith Reddu Sureddy, Manish Kumar, Varun V Prabhu, Sahil Ratusaria, Varun Dupare, Suraj Jaiswal, Surya Pratap, Rakesh G, Raj Kalyan Degala
- Mahesh Pyatha, Abhishek Kumar, Noumaan Manzoor, Girish Kumar, Anirudh V Raja, Vishwanath Prudhivi, Aswin Prakash, Rahul R Karuharti, S H Rakesh, Vittal S Honnahalli, Gyanendra Kumar, Ranvijay Azad, Pradeep Dubey, Prithvi Raj Jaiswal, Chandan Kumar, Abhay Singh, Anurag Chowdhary, Shivam Agarwal, Shashank K Pal, Punith Putran S, Rajat Chatterjee
- Karan Sheoran, Upmanyu Mallik, Mukesh Jaiswal, Saket Bajpai, Nikhil Sinha, Ashish Sharma, Abhishek Master, Amer Yaying, Surabhi Muralidhara, P Shilpa, Meena Kamna Kirodi Lal, Seema Shet, Monika Lodha, Harshitha S, Movia R, Varsha, Meghamandara V T, Manish Kumar, Danish Hussain, Manjunath Hande P S, Saurabh Kumar Jayant, Siyabonga Menon, Sandesh Raj Kharel, Sukarn Singh, Harshit Mishra, R Manoj Raghav, Salkar Abhishek Raghuvir
- Ass. Prof. A Gowri, Ass. Prof. Arun Kumar Thalla, Prof. S Srihari, Prof. Nagaraj M K, Prof. K Swaminathan, Prof. A U Ravishankar, Prof. & HOD K N Lokesh, Prof R Shivshankar, Prof. Mattur C Narsimhan, Prof. Sitaram Nayak, Ass. Prof. Gangadhar Mahesh, Ass. Prof. A S Balu, Ass. Prof. Basavaraju Manu, Research Scholar K Rajendra Prabhu
- Nischal Mohan, Abhy Thomas Leslie, Akshay Bansal, S K Deepak, Sachin Jha, Harsh Kumar, Ramesh Sapkota, Umang Khatiwada, Rishu Ranjan Rai, Sandeep Kashyap, Manoj Belbase, Vishesh Shaurya, Bhattad Anand Badrinarayan, Deepak Kumar Mallick, Avnish Kumar Pandey, Ayush Verma, Arunabh Choudhury, M Praveen Raj, Kishan Kumar, Kaushik B O



# Computer Engineering B. Tech



- Vishnuraj, Avinash Kamath, Deepak Puthraya, Vidyashankar, Aditya Sundaram, Sourabh S, Akshay, M A Raghuram, H G Rama Bhatt, Anjan Shah, Gaurav Mokhasi, Sasank C, Sukruth Ananth, Anul Kanti, Bhajan Bishnoi, Anik Bhowmick, Vinod Rathod, Jake Joseph, Monel Gupta, Sonu Kumar, Mitesh Mutha, Karthik C, Aayush Gupta, Tushar Makkar, Shravan Kumar, Chaitanya B S, Sidharth Santurkar
- Sreecharan S, Sachin Hosmani, Abhishek Arora, Hemath G, Jay Pridarshi, Pankaj S K, Mukesh Kumar Gupta, Nagraj, Karan Sabhani, Balchander V R, Manpreet Singh, Khelesh Damor, Sandesh Limbu, Nirlendu Saha, Sampad Medda, Manish Premi, Rajat Yadav, Ranveer, Aman Gandhi, Adit Biswas, Vikas B, Shyam Gopal, Mohammad Tabish, Dyanand Ingale, Manal Bhingardeve.
- Suraj Kumar, C M Anand, Ravikiran Belur, Hota Sri Harsha, Adithya H K, G Anish, Karthik Naidu, Sameeran Rao, Aditya Kadam, Rahul Bhojwani, Sayan Paul, Ketan Pandhi, C Karthik Iyer, Asmita Gupta, Ankita, Rajeta, Kirti Maurya, Akshaya Muralidharan, Sakshi Agrawal, Bhavna Ambi, Keerthika K, Kavya Vishwanath, Gautam C Prabhu, Deepak Nainani, Shreyas G, Abhishek Vasantha Naik, Nikhil Chavan, Rabindra Chanchhan, Rahul Das, Girish Shatry, Deepak Meena.
- K Sai Sidhartha, Mayank Sharma, Alok Shah, Pruthvi P, Radheshyam Verma, Gaurav Jain, Prasad, Dr Basavaraj Talawar, Mr. K Vinay Kumar, Dr Shashidhar K G, Dr Mohit P Tahiliani, Sparsh Yadav, Chandraketan Sahu, Prateek Bokade, Pranav Bhat T, Jayendra Dewani, Sahil Pai.



# Electronics and Communication Engineering B. Tech



- Babagouda Patil, Abel Saju, Tarun Ala, Sharon George, Taha, Jestin Abraham, Akshar Jain, Danish Khan, Oshim Jain, Neeraj Kulkarni, Shubham Yadav, Santhosh Prasad, Nishchal Shukla, Arjun A, Priyesh Ghiya, Srinivas B S, Shodhan S, Sunjyoth Shetty, Chethan N, Abhijith S, Vadiraj M Kulkarni, Prashant Saurabh, Manoj Kumar, Aswin Suresh Krishnan, Gauresh Shirodkar, Arjun Jagdish, Shyam Prasad
- Naseem Alam, Sandeep Rajendran, David Joshy, Saharsh Samir, Ashutosh Bansod, Manu Pai, Balraj, Sandeep Singh Deora, Vinay, Dshit Dak, Prakash Pali, Ritesh Shekhar, Krupal Rajendra, Ankit Shah, Supreeth Prajwal, Aatish Chandak, Sandeep B V, Sudipta Patowary, Prakhar Gupta, Ajay Krishnan, Raghavendra B S, Dhanush B K, Pravin Kumar Singh, Harsha M, Sandeep A D
- Joss Benny, Arjun Raghunath, Adhokshaja Pradeep, Nikhil Bhat, Devendra Kumar, Rakshit R K, Sunil Kumar, Sushma A, Radhika M, Nymisha B, Niketha M, Radhika N, Navya S Prem, Namratha S, Meghana B Raj, Moushika V, Srushti K, Ishani Choudhary, Yamganti Chakravarthy, Akshay Kumar, Adarsh Murthy, Ashwin Kalyan, Bharadwaj Lingam, M Ranga Sai Shreyas
- Pratik Gujjar, Dr M R Arulalan, Dr A V Narasimhadhan, Dr Deepu Vijayaseenan, Dr Aparna P, Dr Rekha S, Dr Raghavendra B S, Prof. M S Bhat, Prof. Muralidhar Kulkarni, Prof. U Sripati, Dr T Laxminidhi, Dr Ramesh Kini M, Dr. Srihari P, Akanksha Wasnik, Pawan Kumar, A Bejesh
- Lakshmikanth B R, Prajwal M V, Tarun Thokala, Sreegowtham J, Karthik Hegde, Bharath C Renjith, Milind Nimbal, Nishant Gupta, Srikanth Pachala, Rajesh Meena, Avinash T K, Shashank G, Bharat S Subramanian, Shamanth M K, Amit R, Nithin Kamath, Rojin Raj, Abhilash Dhondalkar



# Electrical and Electronics Engineering B. Tech



- Nishant Chandra, Venkatram, Ashwin V, Rohan Tirumale, Sandeshkumar S S, Vipin Sagar, Ziyauddin Khan, Nitish Srivastava, Hanamgond, Anurag Daru, M S Satish, Vishnukanth Phathepure, P Kiran, Nekar Ravichandra, Gajjala Hussainaiiah, Rathod Anilkumar, Himanshu Gautham, Vidyaagar V S, Ullas A Indi, Niteen Bali, Venkatesh Shenoy, Anurudh M G, R Gopalakrishnan, Rejin Joy, Ritwik Avaneesh, Pratyush Pullela, Jayant Meena
- Nitin Nataraj, Nikhil Srihari, Racha Saikrishna, P Naveen Kumar, Christopher Stephen L D'Souza, Chinmaya D, Ajitesh Kumar, Sandip Kumar, Mukesh Kumar Ghosalya, Tushar Dobhal, S Sai Ashrith Reddy, Bhuvnesh Parmar, Rishab Hura, Ashish Jethani, Ratmesh Singh Bagri, Venkatesh T, K Bala Vignesh, U Prathwiraj, Sharath N S, Ajay Kumar, Blessen K George, Kumar Kishan
- Gabriel Thomas Maliakal, B Sai Srivatsa, Gaurav Jain, Saurabh Kumar, Sathi Venkata Reddy, Abhinav Patel, Himanshu, Rajesh Kumar Bajjiya, Ratheesh Raghavan, Naveen Bali, Ashwin D T, M R Sampath, Arnav Kundu, Vitswan Shitole, Vikash Kumar, Sudarshan Vairagi, Harsh Jhawar, Nikhil Kumar Singh, Santosh Horo, Nikhil Vijay, Mehul Kothari, Rajiv Kumar, Shreyansh Ankit, Rahul Pradhan, Aman Goyal, Henry Johnson, Mallela Vikas
- Sagar N, Naveen Kaswa, Manoj Ammoga, Dr. Debashisha Jena, Mr. K Rajagopala, Dr. Dattatraya N Gaonkar, Dr. Udaykumar R Yarangatti, Mr. Jora M Gonda, Dr. K Panduranga Vittal, Dr. Ashvini Chaturvedi, Dr. Gururaj S Puneekar, Shams, Nitin Samanta, Shankar Kumar
- Aritro Banerjee, Shriya Nair, Carmen Angeline Goveas, Netravati M Naik, Anargha J, Jeevitha S, P S Sumashini, M Jyothi, Deeksha Kosta, Soumyashree Priyadarshani, Shwetha Ram, Vichitha K Chinmaya, Harshala Jambhulkar, C Raja Rajeswari, Ridhima Solanki, Adlyn Belinda Rodrigues, Gowri Balakrishnan, Ruchi Jain, Apurva Agarwal, Roshan John David, Sunil Sreedhar



# Information Technology B. Tech



- Arahant A, Deepak D S, Shubham Gupta, Sachin C Bapure, Vinaykumar K M, Pradeep T, Pratik Ravindra Kamtam, Manishman Shrestha, Shivam Singh, Matta Sree Mourya, Polasani Vivek Rao, C Srikiran Goud, Satti Venkata Narayana Reddy, Shaik Anwar, Shalav Sakeet, Gouranish Sharma, Urwa Prashanth, Dilip Mallaya, Gaurav Yadav, Abhinav Prakash, Rachit Khaitan, Akhilesh Saini, Divyang Srivastava
- Varun H, Dhanush A, Shreeharsha Nageshwar Voonna, Hrishikesh Kashyap, Ashrith H C, Aynesh Sundararaj, Mayank Pahadia, Jatin Sood, Shreeman Narayan Murthy, Atif Ahmed, Ravuri Venkata Rao, Kamlesh Deypal, Sachin Mamadapur, Sunny Murdia, Faem Abduljabbar Shaikh, Rubin Maharana, Mrinal Malhotra, Pavan Gopichand Talreja, Nachiketh P S Avinash, Apoorva Chandra S, R Kaushik, Ravi Prakash Mundotia, Kumar Shubham, Panakaj Jagat
- Santosh Kumar, Preeti Yadav, Kotagiri Sahitya, J Architha Krishna, Susmitha Pulakhandam, Shwetha N Hadimani, Pruthvi H R, Ruchika S, Nisha K K, Isha Singh Jassi, Aarti Prabhhu, Pandramishi Naga Sirisha, Swetha S Rao, Hiba Ahsan, Deeksha S D, Pramati S Kalwad, Chandana T L, Sparsha C Raj, K Puneetha, Shaakti Vyjayanthi, Harthi S, Navami K, Shaalja Pattanank, Divyashree S
- Varun D N, Vaibhav Prabhakar Tripathi, Vikas Mohandoss, Anmol Varma, Mr. Raghavendra, Mr. Ramkrishna Shastry, Mr. Ashwin T S, Asst. Prof. Sowmya Kamath, Prof. G R M Reddy, Prof. Ananthanarayana V S, Asst. Prof. Geetha V, J Naga Venkata Krishna Chaitanya, Sandeep D, Ankit Goel, Kalpit Tiwari, Gaurav Raj
- Vikas S Yaligar, Syed Ehtesham, Mani Shankar, Rohan Ashok Bansode, Kartik Sreenivasan, Mohammad Akram Rameez, Prince Regmi, Aditya Rohan, Akash Srivastava, Anuj P K Jain, Sandeep Kumar, Ranjeet Kumar, Anmol Vijayvargiya



# M1 Mechanical Engineering B. Tech



- Abhijith Balakrishnan, Anoop Sunil, George Justin, Aditya Alape, Mayur, Kevin Anilson, Antony George, Vivek Chandane, Abhinav Kumar Borah, Siddharth Joshi, Udhav Gawandalkar, Laksh Kumar P, Anurudh Bhand, Jones John, Jacob J Ovelil, Jeff Francis, Bharadwaj, Abhinav Pathak, Abhijith C Sabu, Anmol Gaurav, Apurba Deka
- Akshay Deshmukh, Deepak D, Nishant Doshi, Rutwick Om Dixit, Keerthish Ballal, Bharadwaj Chintalapathi, Avinash Kumar, Gourav Kumar, Kiran MV, Akash, Kaushik, Shahid MD, Atul Pahariya, Piyush Chopda, Abhilash, Amod Kumar, Bonda Niranjan Kumar, Aswin Purushotaman, Manjeet Kumar, Manoj Kumar
- Dr. Ranjith M, Abhishek Mudgal, Guloi Afi, Anirudh Gupta, Athul Rao, Akul Kumar, Ashutosh Shrivatsava, Hari Krishnan, Aravindhan Ramesh, Ayush Agrawal, Gourav Shet, Girish Kini, Shreya Kamath, Nikkita Meena, Anchal Sahai, Mahaveer Meena, Manoj Kumar, Gautham Kumar, Akhil Ahmed S R, Amogh M H, Ashley Melvin, Giriraj, Dr. Mrityunjay Doddamani, Dr. Ramesh, Dr. Gnansekaran
- Dr. Jeyaraj, Dr. Vijaykumar, Dr. Anish S, Dr. Arun M, Dr. Guruprasad, Dr. Kumar GN, Dr. Ravikiran Kadoli, Shri. Suresh Kumar Y, Dr. Narendranath, Dr. K V Gangadharan, Dr. Ashok Babu TP, Dr. Mohanan, Dr. Prasad Krishna, Shri. Santanu Bhattacharya, Dr. Vijay Desai, Dr. Ajay Kumar Yadav, Dr. Srikanth Bontha.
- Keshav Ramaswami, Kartvik Rajan S, Janak Chand P, Jakkinaipalli Aravind, Ankith Ullal, Manoj Chettiar, Gagandeep, Vinay Bharath, Dheeraj Kumar, Gautam Prabhu, Krishna Agarwal.



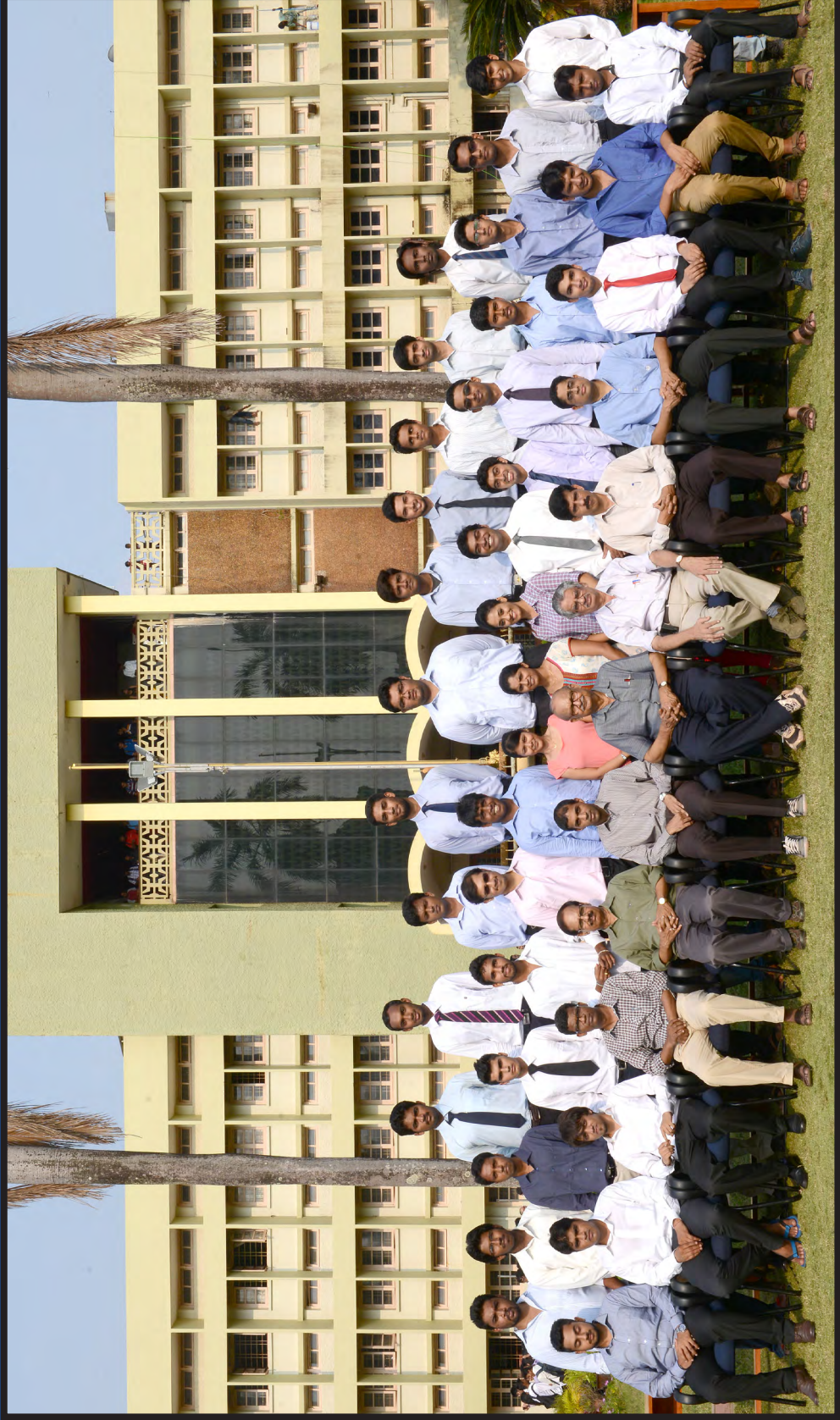
# M2 Mechanical Engineering B. Tech



- Wani Suyog, Neeraj Kumar, Vishal Kumar Dash, Suraj Kumar, Umesh, Siddhant Banerjee, Sushob Ranjit, Vishal Murali, Periyasamy Balaruban, Dhruv Chand, Souvik Halder, Sutterwala Tamu, Navaneeth N Prabhhu, Rakshan Y Amin, Srikanth Sagar, Mortade Akshay Vyankat, S Sakthivel, Saurav Bose, Shyam Somani, Shricharana Shastry, Shiv Singh Saini, Nair Vivek, Udayakumar N.
- Ramachandra, Yashwanth Reddy M, Piyush Pramod Kunder, Siddharth Kataria, Prajwal K V, Shrinivas Chimmalagi, Varun H S, Vinit K Vardhan, Supreeth M S, Sawant Swapnil Suresh, Varuna K V, Pruthvi Bharadwaj, Suhas M.Chavan, Shyamasundar M S, Rangaswamy A V, Prashant Kumar, Prince, Praveen Patel, Vikas Antim Pachori, Satyendra Kumar, Sanjeev Kumar, Preetnam R Nayak, Shreyas Dandwate.
- Dr. Ranjith M, Rathod Anil, Rohith K, P Sriharsha, Varadaraj, Sandeep Kumar, Pallav Pattnaik, Vitul Varshney, Melvin K Wilson, Sidhant Satish Sherty, Rakshith L, Pavan P S, Mickhad Mohammed, Rajesh Kumar, Oswal Gaurav Vijay, Satwan C H, Subham Kumar Burnwal, Rohit Nagar, Syed Mohammed Nadeem, Vishal, Ghotkar Rhushikesh, Somnath Krishnan, Vikram Rana, Dr.Gnansekarar, Dr.Srikanth Bontha, Dr.Ajay Kumar Yadav.
- Dr. Jeyaraj, Dr.VijayKumar, Dr.Anish S, Dr.Arun M, Dr.Guruprasad, Dr.Kumar GN, Dr.Ravikiran Kadoli, Shri.Suresh Kumar Y, Dr.Narendranath, Dr.K V Gangadharan, Dr.Ashok Babu TP, Dr.Mohanana, Dr.Prasad Krishna, Shri.Santanu Bhattacharya, Dr.Vijay Desai, Dr.Ramesh MR, Dr.Mrityunjay Doddamani.



# Metallurgy and Materials Engineering B. Tech



- Basavaraj P Kaliganavar, Abhishek S Kashinath, Rajashekar Reddy, Prasidh Naik, Rahul V Gangapurtra, B Sandeep, Ritvik Dhoke, Manu Parmesh, Aditya Patel, Aditya Kumar.
- Praveen Murthy, Karthik C Padmashali, Abhishek A Abkari, Dillip Singh, Nerella Vishnu Vardan, Sridhar D Kamoji, Saidev Bhaskar Channamserti, Soumita Mondal, Aishwarya M Devadiga, Kruthi Naik, Sam Terence Roberts, Abhishek R, T Aditya Srinivasan, Marjunath A M, Chirag Sharma, Karthik T R, Akshay Varambally B.
- Sidhanth Tyagi, Shanti Kumar, Vignesh Kumar Pal, Dr.Shashi Bhushan Arya, Dr-A O Surendranathan, Dr.Sreeram K Kalpathy, Dr.Krishna Kanta Prasad, Dr.K.R Udupa, Dr.Ravishankar KS, Dr.Subray R.Hegde, Arv Ramchandani, Pradeep Kumar, Bipin Singh



# Mining Engineering B. Tech



- Gagandeep, Kamwadamut Lalloo, Anand Krishna, Manikanta Sai, R. Abhi, Shankar Doddamani, Amaresh NK, Rahul Bhatt, Yoomiki Kyndiah, P Vijay, Davinder Singh, Kamson Hangshing, Paramanand, Jammu Yadav, Venu Saketh
- Aman Agrawal, Brijesh Singh, Bennet Doss, Dhannasi Babu, Sanjeev Kumar, Deepak Kumar, Animesh Thakur, Ambrish Kosgi, Anil Chavan, Suchith Satish, Aman Kumar, Mohd. Farhan, Ritesh Kumar, Gurudev, Nikhil Gaonkar, Allan Menezes
- Ibanjop Suting, Bandla Yamini, Vineet Sethi, Shubham Agarwal, Dr. B Kunar, Dr. M Aruna, Prof M Govindraj, Dr. Harshavardhan, Dr. K Ram Chandar, Prof. ChSN Murthy, Honey Agarwal, Hemanth Reddy, Rajnish Ranjan



# Chemical Engineering M. Tech



- Adarsh M, Kishorkumar D, Nithin K M, Vishnu M, Sreehari M V, Lokesh Ramana V, Kalvagadda Maheshkumar, Amir Khan, Sumit Sharma.
- Chaithra S, Sumithra K, Renu K P, Sreeja S, Sahana N murthy, Priyanka R, Aysla Sahla Kumbala Muhammad Kunhi, P Devi, Shrutee L, Loomi Sasankan, Anushri C, Bhosle Shradha Satyawan, Anjana M, Nithasha Chinnan P, Purva Gupta, Sunaina S Patil, Vaishnavy Pervaje, Chavan Bhagyshri Indrajit, Soumya Raj, Sahana Vijay Kumar.
- Akhil Pazhayadeth, Suresh P, Badekar Sagar Dilip, Dr. Rajmohan B, Dr. Keyur Raval, Dr. Ruben Sudhakar, Dr. Vidya Shetty K, Prof. M B Saidutta, Dr. Prasanna Bellur D, Prof. D V R Murthy, Dr. I Regupathi, Dr. P E Jagadeeshbabu, Chinna Pandi R, Shashi Shankar Kumar.



# Civil Engineering M. Tech



- Sooraj V S, Katikitala Prudhvi, Ashish Nair, Mohammed Shafi, Abhijith B S, Revanth Nannapaneni, Manoj B S, Vinaykumar R, Raviprasad Upadhyaya, Ajmal M P, Nidhin K M, Manas N, Karthik M, Athul Sundar, Ejas Ansari, Stifin Berny, Naseem O, Sasikumar M, Faisal K M, Ajinkya More, Anup Kanoj, Katesh M, Rahul Saini, Shindon Baby, Ganaraj K
- Sutar Vishal, Bharath C, Paul Tom, Muhammed Naseef, Pola Rakesh, K M Surjith, Dumpati Cheran Teja, Deepak Anand, Thete Swapnil Tanaji Rao, Mukhesh G K, Suman Saha, Noothan Kaliveer, Manoj A, Sehle Basheer, Vipin Raj V U, Radhakrishnan U, Nebin Jose, Rahul R Nair ,Vinay K, Manjunath B
- Dilip Kumar P, Anuroop C H, Vinod Kumar G, Saketh Kumar P, Athuru Mahesh, Ajmi Kharim, Catherin Jeselia, Indu Manomohan, Maneesha B, Anusree K Anju, Sarika K, Betsy Maria Lukkas, Dhanya K R, Anaswara S, Aida Isac P, Aswathi K V, Gayathri V L, Sahana Poornima, Kushitha U Poornima H, Anitha Mohandas, Shweta Katte, Dhanalakshmi L, Prateek Pranab, Puttaraju K O, Surendra Karampudi, Kumbamutlang War, Akhil K S
- Dr. A Gowri, Dr. Arun Kumar Thalla, Dr. S Shrihari, Dr. M K Nagaraj, Dr. K Swaminathan, Dr. A U Ravi Shankar, Dr. K N Lokesh, Dr. R Shivashankar , Dr. Mattur C Narasimhan, Dr. Sitaran Nayak, Dr. Gangadhar Mahesh, Dr. A S Balu, Dr. Basavaraju Manu, Rahul Kotian



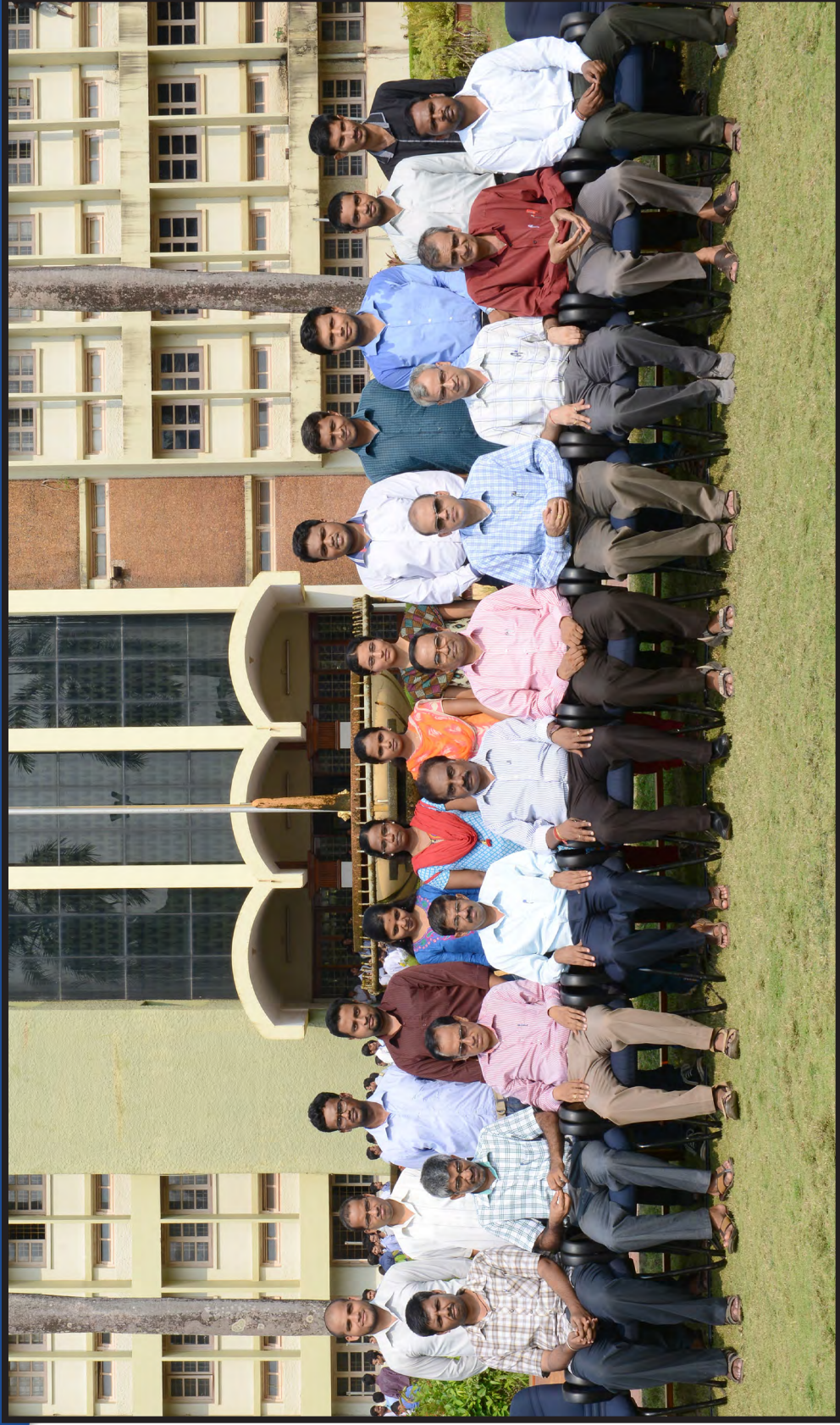
# Computer Science and Engineering M. Tech



- Dharavath Narendar, Rashid Ali Jamal, Suresh Pal, Vivek Kushwaha, Asheed Kumar, Shashikant Gautam, Piyush Shegokar, Anik Hore, Ashish Kumar Dhanotiya, Shivam Purwar, Sawan Belekar, Vishal Babu Chak, Prasad Teji, Anand Dhole, Nuresh Dewangan, Shiva Kumar, Mohammed Asfag, Gaurav Gupta, Rahul Sharma, Ankit Patidar
- Tejaswi Karthiyayini, Padmini Gaur, Sanchi Rajput, Nikita Sinha, Garima Jindal, Dr. Basavaraj Talawar, Dr. Shashidhar Koolagudi, Mr. K. Vinay Kumar, Dr. Mohit Tahiliani, Shalini Satre, Bhawna Bharwani, Divya Mohan, Suma Bhat, Shruti Goyal, Nushafreen Palsetia



# Electrical and Electronics Engineering M. Tech



- Dharavath Ranga, Prasannajit Sahoo, Sagar Shankar Mitta, Preethul Prasad, Sikha V.s, Rajarathnamala, Praveena, Elchuri Prasanthi, Maheshwar Ap, M V Gururaj, Pruthiraj Swain, R Manoj Kumar, Archith V
- K Udaya Kishore, Dr. Debashisha Jena, Mr. K Rajagopala, Dr. D Goankar, Dr. Uday Kumar R Y, Mr. Jora M Gonda, Dr. K P Vittal, Dr. Ashwini Chaturvedi, Dr. G S Puneekar.



# Information Technology M. Tech



- Vilasagarapu Sundeep, Mahajan Gautam Suresh, Jarugumalli Ashok Kumar, Ingole Sanket, Utkarsh Gupta, Amarendra, Arpit Bhargava, Dipu E.R, Vivek T.V
- Sushil Kumar Sah, Pavan Anantrao Ughade, Arjoo Jain, Dharavath Suresh, Priya Malik, Bharti Chaturvedi, Snehal Farfade, Shailesh S. Tayde, Anjali.



# Mechanical Engineering M. Tech



- Kiran Vernekar, G Yaswanthkumar, Mallikarjuna K, T Harish, Mobin Mathew, Praveen Kumar H N, Ranjitha Prasad T D, B Sindu, K Srinivasa Sagar, Manjunath K N, Reyees Ahmed, Sanjay K Wepin, B C Pramod, Sivanandam M, Vinay Kumar Yadav, Abhishek Kumar, Gnanasekharan, M R Ramesh, Ajaykumar Yadav,
- Dr. Ranjith M, Dr. Vijaykumar, Dr. Anish S, Dr. Arun M, Dr. Guruprasad K R, Dr. Kumar G N, Dr. Ravikiran Kadoli, Mr. Suresh Kumar Y, Dr. Narendranath S, Dr. Gangadharan K V, Dr. Ashok Babu T P, Dr. Mohanan P, Dr. Prasad Krishna, Mr. Santanu Bhattacharya, Dr. Vijay H. Desai, Dr. Jeyray P, Dr. Srikath Bonta



# Metallurgy and Materials Engineering M. Tech



- Arun T N, Sandeep Kumar, Bachu Gnaneswara Nag, Sunil Meti, Karegouda, Komalakrushna Hadagalli, Nagaraj Sadashiv Doddamani, Sudeendran K, Fazil M, Timson Tomty, Shaheer K V, Ashwin Pai M, Manu Mathai, Vivek K M
- Tikale Sanjay Vinayak, Vimal Edachery, Rahul Sathyanath, Dr. Shashi Bhushan Arya, Prof. A O Surendranathan, Dr. Sreeram K Kalpathy, Prof. Krishna Kant Prasad, Dr. Anandhan Srinivasan, Dr. Ravishankar K S, Prof. K Rajendra Udupa, Natesh Mogra, Sunil K J, Rajesh Belchada



# Applied Mechanics and Hydraulics M. Tech



- Sooraj Mohan, Anand Sagar, Yannaru Narasimhulu, Gaurav Hegde, Hitesh Kumar H N, Shashank Bangi, Ram Tilak, Chaitra Chandran, Anitha.P, Mohammed Fasil, Ajeesh K, Abid Parari, Sharabeeel P S
- Abhijith R, Budime Raju, Inthikab K, Radhakrishna, Dr. Amba Shetty, Dr. Lakshman Nanadagiri, Dr. Arkal Vittal Hegde, Dr. P C Deka, Dr. H Ramesh, Dr. Nasar Thuvan Ismail, Akshay P R, Rajeeesh R, Arvind Baloorage



# MBA



- Chand Mohd, Akash Thakur, Rahul D Kumar, Diptesh Bhowmick, Punith Kumar, Mongaimo Dovih D, Prateek Rathi, Shantanu Ghosal, Rijil K P
- Kesar Ketan Jha, Shivakumar S Malagihai, B R Rahul, Dhritiman Hazarika, Rajendra Shenoy K, Mrinal Shivam, Singh Tarini Priya, Nimisha George, Sudhanshu Pandey, L Idayadulla, Sarath M, Sreekanth Murala, Shailesh Kumar, Bimlesh Kumar, Kripesh P, Abhishek Ray
- Ahmed Faiz, Dr. Suprabha K.r., Dr. Savita Bhat, Dr. Rashmi Uchil, Dr. Bijuna C Mohan, Dr. Aloysius Henry Sequeira, Dr. K B Kiran, Dr. S Pavan Kumar, Dr. Gopalakrishna B V, Dr. Sreejith Alathur, Dr. Rajesh Acharya H, Sachin Rathode



# MCA



- Sandeep Patidar, Lokesh Agarwal, Dharmesh Dixit, Pramod Kumar, Preetam Malgava, Dharamdeep, Shantanu Roy, Joydeep Mitra, Abhishek Mishra, Devendra Sharma, Vinod Kumar, Rahul Pratap Singh Yadav, Amrit Kumar, Xalxo, Prashant Kumar, Krishnu Choudhary, Neelesh Malviya, Debjyoti Ghoshal, Pravesh Kumar Yadav, Pankaj Sharma, Nikhil Suryawanshi, Jitendra Singh
- Arpit Agarwal, Priyam Gupta, Vishnu Mishra, Ankur Vijayvargiya, Sudhir Kumar, Dheeraj Shukla, Pradeep Sharma, Neeraj Rathore, Sandeep Illal, Chintu Khandelwal, Pramod Malviya, Abrar Khan, Sandeep Rai, Ranveer Singh Lodhi, Ravi Jataw, Indresh Sharma, Nagendra Kumar, Atul Meshram, Anurag Doshi, Vivek Kumawat
- Sarnava Mukherjee, Piyush Dubey, Rahul Tejara, Aashay Jain, Ranjan Kumar Gupta, Kavita Chatar, Neha Tiwari, Kratika Songara, Mahak Baheti, Shalini Lakshkar, Sakshi Nagar, Suman Kindo, Sohini Shah, Anjali Rajput, Lalita Vadera, Mahak Garg, Revati Joshi, Anshu Gupta, Ramindar Kaur, Jyoti Tambare, Vicky Kumar, Rakesh Raigar, Ravi Rathore, Tarang Verma, Ali Natiq
- Sandeep Rabidas, Saksham Malhotra, Dipanjan Das, Mrs Sumitra Subrahmanya, Dr P Sam Johnson, Dr Vishwanath K.P, Dr B R Shankar, Dr R Madhusudhan, Dr Pushparaj Shetty D, Dr I, Jeyaraman, Dr Jidesh P, Mr Rajarshi Bhowmik, Harsh Vardhan Patidar
- Mohit Khalkho, Mayank Sharma, Tinku Kumar, Rejak, Ashutosh Kumar, Rahul Dubey, Keshav Gupta, Surjeet Singh Rajput, Abhishek Gupta, Ishwar Singh Chouhan, Abid Nadeem, Rajesh Prasad Gupta, Deendayal Patidar, Akash Sharma, Vipin Kumar, Muqit Ur Rehman, D Srikanth, Avinash Madhwni, Prabhat Ranjan Verma, Atul Billing.



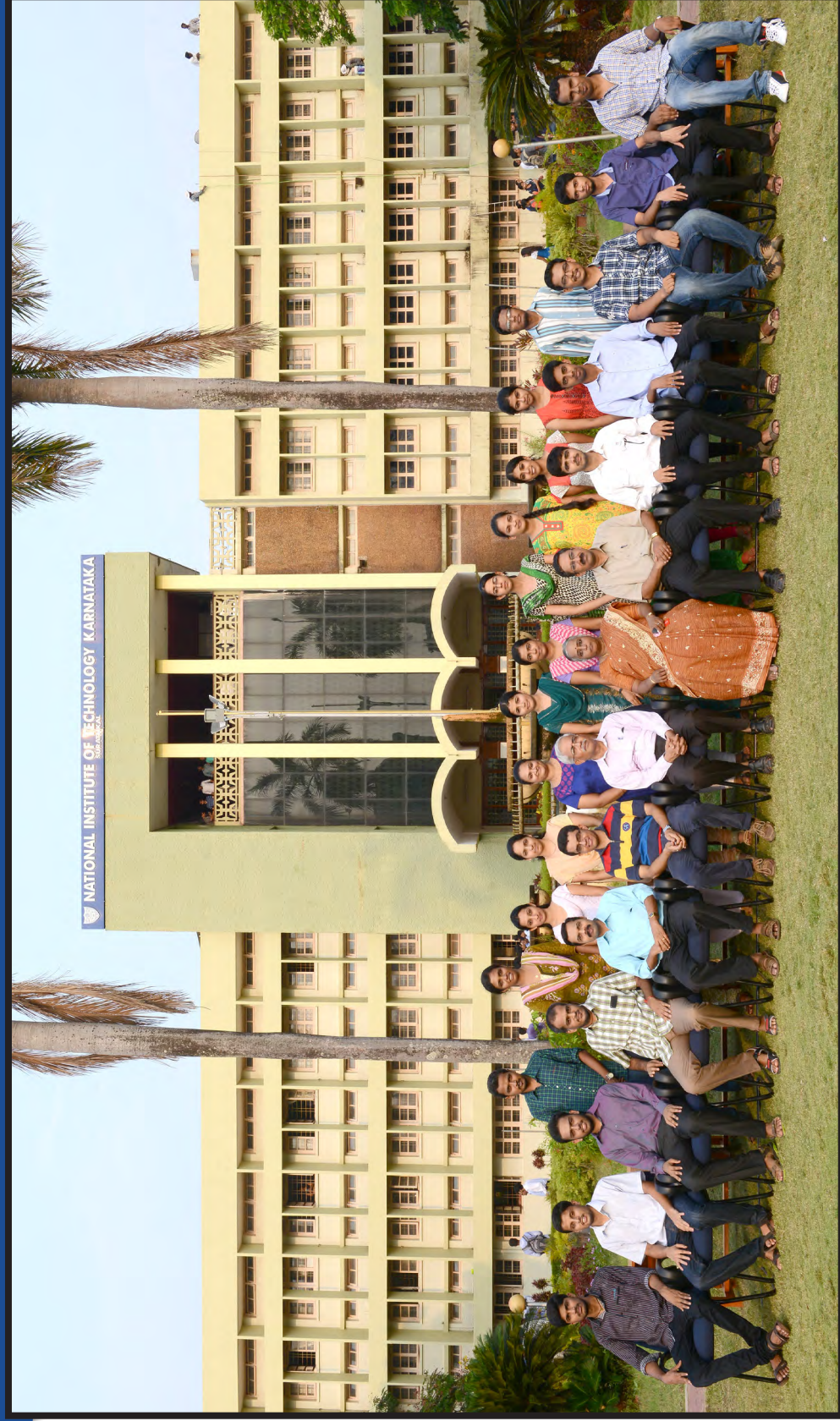
# MSc. Chemistry



- Viprabha K, Reshma K R, Susheela B, Shri Raksha, Amulya K, Kavya, Shilpakala K, Supritha I S, Prajna D Y, Anusha R Monteiro, Akshatha R Shetty, Bhagyashree M, Soumya M, Shwetha M,
- Anand K N, Maruti C, Arjun C H, Sib Sankar Maal, Arun M Isloor, A Chithranjan Hegde, D Krishna Bhat, Uday Kumar D, Darshak R Trivedi, Anusha A, Aswathi K M



# MSc. Physics



- Dinesh G Rathod, Manasa, Sneha Pandith, Varshini G V, Ananya V, Jyothi Uttam Shet, Sushmitha Pandith, Sulakshana Shenoy, Chethana, H Swathi Upendar, Smrithika Subramani, Sarath E.
- Sampath B A, Priyamedha Sharma K R, Krishnamahohara, Dr. Ajith K M, Dr. H S Nagaraja, Dr. Partha Pratim Das, Dr. G Umesh, Dr. H D Shashikala, Dr. M N Satyanarayan, Bhaskar Shridhar Naik, Vijeth, Shawn Ajay Dsouza, Shivprasad Shastri, Raison Dsouza.



# SACA M. Tech



- Jagadeesh N V , Avinash K.s , Sandeep Verma , Ayushman Gupta, Mohini Madavi , Samrangi Ghosh , Aparna M S, Rahul Junwal , Shaibal Kumar, Abhilash M, Abhijith S
- Sumithra S, Jidesh P, Vishwanath K , B R Shankar, R. Madhusudhan,Pushparaj Shetty D, Sam Johnson, I. Jeyaraman



# Students' Council



- Tanuj Kumar Kadiyala, Yeshwanth Gothireddy, Jainam N Gala, Abhijith P A, B. Satya Sandeep, Sahil Hegde, Abhinand Pusuluri, Jaidev Anoop, Sourabh Shetty, Vikram Singh Tomar, Vilkas Meena, Yeshwant Yendoori, Harikrishnan Radhakrishnan, Ayush Khandelwal, Jayendra Sai Ramana Nakka
- Sparsh Yadav, Arc Ramchandani, Manoj Ammoga, Roshan John David, Kaushik Beware, Keerthy Prasad, Akshay Ramani, Arshad Khan, Yama Sai Reddy, Anirudh Ganesh, Vishal Kumar Sah, Sharang Kulkarni, George Vinod, Satish Vishwananth, Richie John Alex, Vineet Mandowra, Shubham Bhutada, Sunny
- Chaitanya, Yashwanth Reddy, Anitha Mohandas, Prof. A Kandasamy, Prof. Ravindranath, Prof. Swapam Bhattacharya, Prof. Uday Kumar Yeragati, Prof. Mattur C Narasimhan, Prof. Katta Venkataramana, Shubham Agarwal, Sushma A, Manoj Kumar, Safwan CH



# American Society of Civil Engineers



- Akshay Kumar, Hitesh Bugata, Avinash Gottimukkula, Siva Prasad Goud, Vanga Purna Chandu, Jaganti Vamsi, Anumeha Ayushi, Almas Parveen, Vaishnavi Sulaya, Nidhi Rao, Shahrukh Khan Patan, Vaibhav Vijan, Divyasunu Pandey, Murthy G K, Samar Kenkre, Yash J Nagpal, Bhargav Kumar, Abhilash Thippineni, Sanath Kumar Reddy, A Charan, Sanjay Sevela
- Manasa Bhat K I, Neha Madhulika, Abhishek Salkar, Girish Kumar, Anand Bhattad, Dr. Manoj Shetty, Dr. Hem Prasad Nath, Prof. Katta Venkataramana, Prof. Udaykumar R Y, Prof. K N Lokesh, Dr. Suresha S N, Abhishek Master, Harshit, Arunabh Choudhury, Anurag Chowdhary, Manish Kumar, Suraj Jaiswal

# Amateur Astronomy Club



- Gaurav M Kumar, Keerthan S S, Shabarish Shetty, Vishal S, Rakesh Sharma, Shashin Pavaskar, Sharath M G, Alok Umarjeet, Aaryaman A Patel, Ashish Kedia, Abhishek Devasya, Vinith Kishore, Athul Anilkumar,
- Sudeep S,B Suresh,Pragun Khera, Sujan Kumar, Pramod kumar, Rohit Chandramohan, Anmol Agarwal, Sharath Kamath Shevcur, Abhilash Krishnan, Ketan Gomsale, Meet Upadhyay, Abhishek Anand, Ajay Hegde, Debajyothi Debonath, Nithin Holla, Rishit Kuber , Vignesh R, Vedant Dhruv, Vivek Kumar, Aditya Kumar, Anand Raut ,
- Ankita Singh, Tejaswi Ravu , Sheetal Shalini, Sheetal Jadhav, Sneha Sonkere, Kavya Sreekumar, Sanjana S, Sneha Malawadi, Vandana Comandur, Chandana G, Asavari Limaye, Prachi Shahi, Sheetal Pasam, Nischita Kaza, Pravalika Avvaru, Chirasvi H R, D Sreelatha, Manogna Sreenivas , Vaishnavi Nayak, Maithli Deshapande, Diva Kumari ,Anumeha Ayushi, Gunjan Kothari, Yashasvi Choukikar, Nimisha Kunnathu, Haritha Naidu, Shailja Dalmia,
- Kavya Vishwanath, Vishesh Shaurya, Sayan Paul, Sam Terence Roberts, U Prathwiraj Hegde, Karthik Hegde, Pratik Gujjar, Hem Prasad Nath, Dr. Udaykumar Yaragatti, Dr. Manoj Shetty, Pawan Kumar, Rushikesh Ghotkar, Vadiraj M Kulkarni, Sreecharan Shankarnarayanan, Tushar Makkar, Seema Shet



# Artists' Forum



- Sarthak Acharya, Vishakha, Rakesh Mosalpuri, Pankaj Kumar, Mohammed Muzammil, Anas Abdul, Yuvraj Singh, meet Upadhyay, Sahil Hegde, Gautam Vinod, Anuj Kumar, Vinay S., Satyesh, Manish kumar, Dayananda Kori, Sarvajeet Singh, Sumukha Harish, Manoj Gowda, Nathan Pereira, Yash Lara, Hardik Patel.
- Ashwin K V, Umakanth Patel, Meghana B. Raj, Ishani chaudhary, Meghana Potta, Prasanna Rathnavath, Maonica Rao, Gandhali P S, Kumari Aishwarya, Rama Shanbhag, Megha Mantur, Sneha T, Prashasthi M, Navita Singhal, Sahara Sedhain, Gunjan Kothari, Deepthi Hegde, Amita Kamath, Sangeeta, Vignesh, Darshan B.
- Vindhya K, Yamini Shakya, Samanvita , Krathika Bhat, Shrishti, Shrivalya Elluru, Nishchita K, Akanksha Kumari, Neha B, Sanmathi Kamath, Navya, Sonali M Naik, Sushmitha Din K, Sowmya S, Namrata Nadagouda, Nikita Vinay Hegde, Chandana Velaga, Smriti Murali, Manasa, Shiwali, HariPriya Nair, G Balbhavya, Kokila Rajaram, Pramati.
- Namrata S, Nisha, Prateek Bokade, Apoorva Bademi, Abhishek S Kashinath, Nikhil R Chavan, Dr. Hem Prasad Nath, Prof. Katta Venkataramana, Prof. Udaykumar R Y, Mr. K Ravindranath, Dr. Chandhni G, Dr. Manoj Shetty, Moushika Vishnumoorthy, Vishesh Shourya, Niketha, Jeevitha S.

# Computer Society of India



- Anirudh Raja, Abhishek Maheshwari, Nikhil Karve, Harshavardhan Reddy, A Sylendran, Vishwas Shashidhar, Harish Kumar, S Girithaja, Surya Vamshi, Sandeep Sharma, Jaithirth Anthony Jacob, Shashank S Kashyap, Mohammed Abdul Azeem, Abhimanyu S G, Mohak Gandhi, Devendra Kumar, Gaurav Verma, Naresh Choudhary, Sutej Kulgod,
- Nishehal Shukla, Ankit Shah, Akshay Kamath, Akshay Kumar J, Vishal, Sarthak Agarwal, Mohammad Asif, Nehal Goudar, Keerthi Selvan, Kishan R, Arvind Satish, Vashist, Harikrishnan Radhakrishnan, Ajith P S, Vaishakh K, Akshay G, Akhil Reddy, Pulkrit Patnaik, Anant Maheshwari, Anamik Sarvaiya, Balaji Balasubramanian, Pradeep Venkatachalam, Anirudh B K, Sanchit Garg
- Medhini Narasimhan, Divya Venkat, Mukta Hardikar, Pooja M Kumar, Sakshi Agrawal, Poorva Rane, Deepthi M Hegde, Chandana Velaga, Nidhi Sridhar, Ananya R, Gunjan Kothari, Shailee Jain, Karishma Mulani, Mounica Sanapala, Namrata Nadagouda, Yaamika, Meghana Ashok, Harshitha S, Mahata Sudeshna, Sagarika Barman, Shreya Mary Kuruvilla, Madhavi Srinivasan
- Saurav Boos, Sidhant Shetty, M R Sampath, Tarun Thokala, Vikas Mohandoss, Abhinav Pathak, Dr. Manoj Shetty, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Dr. Basavaraj Talawar, Sasank Channapragada, Saharsh Samir Oza, Pearl Philip, Kevin Anilson, Vitul Varsaney, Arित्रo Banerjee, Susmitha Pulakhandam
- S Sakthivel, Ajay Sathya, Shalini Suresh Kumar, Ranjith M, Aravindhan Ramesh



# Dance Dramatics and Fashion Club



- Sahil , Anjan , Yuvraj , Hari , Varun,Mayank,Vishal , Sai , Ashiq , Avish , Ameen , Samir , Kevin , Bhanu , Deepak , Kamesh, Ijaaz , Tarun , Abhishek , Mukul , Arjun, Abhinay , Vinay , Sangam
- Neeraj, Nauman, Ananya, Sneha, , Tara, Sukhjindar, Kratika, Arpita, Shivangi, Shramona, Ansu, Pallavi, Priya, Soni, Himanshi, Snehal, Shreya, Akansha, Yashasvi, Manisha, Swaroopa, Bhagyashree, Pooja, Shrishti, Vinita, Rahul
- Kruthi, Aarti, Adlyn, Nisha, Vishal, Abhilash, Jammu, Narendranath Sir, Yeragatti Sir, Registrar, Katta Sir, Rajmohan Sir, Ms. Merlyn D'Souza, Pavan, Sandeep, Jatin.

# E - Cell



- Vivek Eluri, Sanchit Garg, Girish Kini, Saharsh Samir, Tarun Kumar, Nagarjuna Yelisetty, Nitin Mareechi, Vasu Kiran, Santosh Meddie, Sreedhar Akella, Prasanna Muthukumar, Prem Kumar, Sudhanshu Pandey, Mirinal Shivam, Shantanu Ghosal, Dhritiman Hazarika, Prateek Rathi, Mohak Gandhi, Beryl Thomas, Aditya Jain
- Saurav Bose, Antony George, Ankit Shah, Vikas Mohandoss, Adit Biswas, Mahalaxmi Naidu, Ashish Gupta, Shubham Badal, Ajeet Lakhani, Vinod Rathod, Ashish Ongari, Madhusudhana Agrawal, Narendra Shivaraman, Yashwanth Bhanu, Tanishq Diddee, Omendra Bharadwaj, Mintu Jotish, Alok Umarjeet, Vikas Meena, Khush Patel, Chintan Doshi, Rohan Anmol, Prakhar Gupta
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# Team Engineer



- Sandeep Singh Deora, Mayank Sharma, Shivam Singh, Gaurav Jain, Aman Goyal, Jammu Yadav, Ajitesh, Rutwik Om Dixit, Brijesh, Farhan, Oshim Jain, Amit Raj, Karthik Hegde, Gautam V Prabhu, Sunil Sreedhar, Aayush Gupta, Beryl Thomas, Manoj Kumar D, Abhay Singh
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- Pratik Gujjar, Pranav Karanth, Ashutosh Bansod, Manish, Rahul Kumar Bhojwani, Ishani Chaudhry, Aarathi Makkada, Sunny Yadav, Nitin Samanta, Pawan Kumar, Nikhil Vijay, Prasanta Barman, Vikas Mohandoss



# Team Incident



- Manoj Raghav, Pruthvi Prakash, Ashrith Reddy, Seema, Surabhi, Shilpa, Kamna, Mervyn Soans, Praveen Raj, Venkatesh T, Avinash Shankar, Sandeep Kumar, Nishant, Ayush, Vikas, Ashwin, Vishnu Raj, Anirudh Raja, Bharath Renjith, Jayendra, Deepak, Chirag, Mohammed Asif
- Karthik Cp, Manjunath Hande, Manna, Manoj Ammoga, Aswin Prakash, Gagandeep, Sushob Rv, Sasank, Swapnil, Piyush, Farhan, Ajithesh, Ritvik Dhoke, Varun Dn, Sandeep Bv, Gautham Prabhu, Prasanta Barman, Nithin Solanki
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- Saketh Bajpai, Shreyas Raju, Yashwanth Reddy, Sandeep Kashyap, Jacob Ovelil, Profs, Roshan John David, Merlyn Maam, Shubham Agarwal, Mrinal Malhotra, Nachiketh, Jeff Francis, Saurabh Joshi
- Rajneesh, Harsh Kumar, Ravi Kumar

# Voice Club



- Gaurav Verma, Aditya Yadav, Rajshekhar Kumar Nath, Pramod Kumar Das, Kowshik tallam, Anshul Tak, Sujith Nayak, Rishuanand, Abhijeet Kumar, Sanjay Kumar, Dinesh Kumar Yadav, Dileep Kumar, Supai Tudu, Arjun Shamsundar, Suraj Kumar.
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# Web Club



- Rammohan , Bobby Dixit, Nagarjuna, Akshay Sharma, Suraj Rajan, Ashish Kedia, Sarvjeet Singh, Shreyas Udupa, Prabhu Dayal Sahoo, RM Sumukha ,Ankit Tripathi, Yogesh, Rakesh Sharma, S Vinay Kumar, Ohileshwar: Ajinkya Parab , Anirudh GP, Shiva Prakash, Vadiraja , Surya, Ankit Deepak, Mohit, Kartik, Anuj
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# Athletics Team



- Thomas George, Kishore P M, H Koushik, Sandeep
- Santhosh Pujar, Akash R K, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Dr. Manoj Shetty, Amal John, Gautham Kumar



# Badminton Team



• Jitender Sherawat, Stuti Kumar, Maitryee Marathe, Sathyadeep, Gaurav Nayak  
• Aarti Prabhu, Arnav Kundu, Rutwik Dixit, Mukta Hardikar

# Basketball Boys Team



• Arun, Puneet, Hari Shankar, Harshith, Srinidhi Bhat, Ankit Raj, David Nazareth, Bishen Hedge  
• Timson Tomy, Tawfeeq Ahmed Hussein, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Dr. Manoj Shetty, Sheik Shams, Manu Parmesh



# Basketball Girls Team



- Keerthana A, Namrata Kogalur, Jade Pereira, Aparna Velampudi, Sanmathi Kamath, Vaibhavi Pai, Varsha D, Harshita Patidar, Chandana V
- Tejaswi V, Nisha Sharma, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Sushma A, Janaki Perumalla

# Chess Team



- Ashrith H C, Sanjeev K V, Nikhil Karve, Pranav H Deshpande, Sonali K, Sandeep N Menon, Sandeep kumar, Dushyant Patil, Lakshmikant B.
- Balchander V R, Aditya Kumar, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Dr. Manoj Shetty, Kiran A, Jestin Abraham.



# Cricket Team



- Arun Gugulotha, Arun S Kumar, Anuj Bharanwal, Anshuman Dc, Rahul Kumar, Yogesh Ghaturle, Anil Jangid, Abhishek Master
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# Football Team



- Prabhat, Shanil, Shashank, Deeraj, Irfan, David, Rohit, Saravjee, Nehal, Prashant, Shreyas, Rahul, Nikhil, Akhilesh, Akshay
- Jashan, Sooraj, Manjunath, Shamanth, Rohan, Bharath, Mr. Prakash, Dr. Manoj Shetty, Jaipal, Archith, Bennet, Sachin, Arun, Aayush



# Handball Team



- Devi Prasad, S H Rakesh, G Madhusudhan, V Lakshminarayana, Darshan N H, Vinay Kumar K M, Rangaswamy A V, Deepak D S, Uday Kumar N D
- Rahul R Karuhatti, Dr. Hem Prasad Nath, Prof. Udaykumar R Y, Dr. Manoj Shetty, Suhas M Chavan, Shridhar M Naik

# Hockey Team



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• Avinash Reddy, Sandeep Kumar, Sangam Raju,  
• Shahid Hussein, Piyush Chopda, Dr. Hem Prasad Nath, Dr. Manoj Shetty, Swapnil Sawant, Anil Rathod.

## Swimming Team



• Ananya Vasudevan, Tanishq Didee, Kalyanam Rajashree, Chirag Kalose, Shivani Gupta  
• Aditi Chalisgaonkar, Rahul Das, Dr. Hem Prasad Nath, Dr. Manoj Shetty, Sai Prasad Shetty, Abhinav Roy Burman



## Table Tennis Team



• Roshni Ahirrao, Subhashree  
• Neeraj Kulkarni, Ashish Jethani, Dr. Hem Prasad Nath, Dr. Manoj Shetty, Aaryaman Patel, Sharat V

## Tennis Team



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