

Sampada

Your Window to UVCE

SpecialREPORT

◆ Editorial

"Hi All, we are here with our 34rd Edition of SAMPADA !!! We are very excited to share some good news with all of you... But, first, ..

◆ Team MECHMind

Team "MechMind!" is a group formed by seven V semesters BE students from the Department of Mechanical Engineering, UVCE. The group members of the team are Vaisakh R

◆ In the Pursuit of Treasure

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◆ ನಾನು ಹೇಗೆ ವಿಜ್ಞಾನಿಯಾದೆ?

ಇದೆಲ್ಲವೂ ಮನೆಯಿಂದಲೇ ಆರಂಭವಾದದ್ದು. ಹುಟ್ಟಿ ಬೆಳೆದ ಆ ಸಣ್ಣ ಪಟ್ಟಣವೊಂದರ ಮೊದಲ ಕೆಲವೇ ವಿಜ್ಞಾನ ಪದವೀಧರರಲ್ಲಿ ಒಬ್ಬರಾಗಿದ್ದ ನನ್ನ ತಂದೆ ಮುಂದೆ ಅಲಹಾಬಾದಿನಲ್ಲಿ -ಮನೆಯಿಂದ ಸುಮಾರು ಸಾವಿರ ಮೈಲಿ ದೂರ-



ದೀಪಾವಳಿ ಹಬ್ಬದ ಹಾರ್ಡಿಕ ಶುಭಾಶಯಗಳು !!!



Vote for **VISIONUVCE** today by clicking on the image !!! More Details inside....

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EDITORIAL

Hi All, we are here with our 34rd Edition of SAMPA-DA !!! We are very excited to share some good news with all of you... But, first,

“A VERY HAPPY AND PROSPEROUS DIWALI TO YOU ALL !!! “

Hope that all of you celebrate this Festival of Light safely and enjoy it. Team VisionUVCE wishes that this Diwali bring joy, health and wealth to you



Ok, now the list of Good News.... Yes, we do have a list of them-

Firstly, we have successfully completed second round of Scholarship interviews on Nov 3rd in the College Campus. Out of 300 applications, we had shortlisted around 80 applicants for the interviews. There were 5 panels, with 2 interviewers from 2008 and 2009 batch. We are thankful to them making on the day and interviewing the candidates thoroughly. It was a very difficult job, but we have few shortlisted candidates which are yet to be announced. There are few technical problems, which we are waiting to get resolved before announcing the Final Scholarship Awardees. We are also very thankful to the donors from various batches and branches, who have come forward to join hands with us. We will be announcing their names and other details shortly in our website. But, we would like to mention two names here which meant a lot to us- Prof P Deepa Shenoy and H S Veena. They volunteered to contribute immediately after they heard about the Scholarship initiative. Thanks to both of you Madam !!!



Second news is about VisionUVCE entering into an contest organized by Mahindra - **Sparktherise**. We have been shortlisted for the second round in the Social Entrepreneurship Project category. We are very happy to share with all of you, as it is only because of all your support and motivation we have been able to sustain this initiative. We request you all to vote here to promote our initiative more- <http://www.sparktherise.com/projectdetails.php?pId=7285>. You need to register by providing your mobile number and enter the code that is sent to your mobile. We understand that it is not straight forward as clicking the Facebook Like button. But, hope that you can vote by spending

5 mins out of your busy schedule. We have listed all of our Objectives, Milestones achieved so far, Future plans which might be useful to know about.

Next, we have are really happy to see the students initiatives and eagerness in the college to work for the betterment of the College. This has been one of our targets, as we need to strengthen the “Give Back” culture at grass root level. And we are delighted to know about them happening so quickly. In this edition, you will know more about Team MechMind- a group of Mechanical students who have dedicated their time to clean up the models and keep them in better shape. There is an article about Robotic Workshop that happened in college. A fresher sharing his experience about the Treasure Hunt event organized by IEEE and a report about Kagada. Of course there is also an extract from Rhoddem Narasimha’s interview to Vijaya Karnataka. We thoroughly enjoyed reading it. Hope you will enjoy it too !!

And of course, we are still open for Guest Editors, who would want to share his/her thoughts through the Editorial with the rest of the UVCE Alumni. Please do let us know if interested.

Team MECHMIND !!!

Team “MechMind!” is a group formed by seven V semesters BE students from the Department of Mechanical Engineering, UVCE. The group members of the team are Vaisakh R, Sridhar Yadav, Nagarjunagupta G V, Kartik S D, Guruprasad, Arun Kumar K R, and Tanseer Ilahi. The aim of the group is to make sure the lab facilities of Department of Mechanical Engineering, UVCE are put to optimum use and to take care of the maintenance. The team is focusing on organizing a Mechanical Tech fest within the college and also to conduct few technical activities to help our fellow students.



We have divided the activities of Team “MechMind!” into different phases, of which four phases of the scheduled activities are complete. They are-

- Phase 1- Cleaning of the models in the model room of Department of Mechanical Engineering.
- Phase 2- 12 computers in the CAD Lab of Department of Mechanical Engineering are updated to Windows 7 64-bit along with the following software -
 - Catia V5 R20
 - Autodesk Inventor Professional 2011
 - Autodesk AutoCAD Mechanical 2011
 - Autodesk AutoCAD 2012
 - Turbo C++ - 64 bit
- Phase 3- 3 tube lights in the V semester BE class room of Department of Mechanical Engineering repaired.
- Phase 4- An old model of car comprising of all the parts in the lab of Department of Mechanical Engineering have been cleaned and placed in the model room for studying purpose. Also all the models in the model room have been oiled and they are brought back to the working condition (almost 100 models).



Future activities of Team “MechMind!”:

- Cleaning and repairing of all the models and machineries in the labs of Department of Mechanical Engineering.
- Conducting a Mechanical Expo during the techno-entrepreneurial fest Inspiron-2012.
- Formation of a student’s club for supporting and continuing the activities of Team “MechMind!” in future.
- Technical fest for the Department of Mechanical Engineering.
- Designing a well maintained website for UVCE (Work in Progress).
- Arranging for seminars from industry experts and organize industrial visits for the students of Department of Mechanical Engineering.

Team “MechMind!” is geared up to do all the planned activities at our sincere best. We request students to join us in this flagship initiative of ours and we suppose that this is a very good way of giving back to college and to learn using what we already have within the campus. All we have been doing is to enhance our knowledge and for the love of the college. We are constantly guided by the saying - “**Let us overcome our difficulties**”.

We are very happy to see the enthusiasm and energy among the students to maintain the models and bring them back to working condition. We are sure that it will be a mini museum and are keen to contribute towards the cause. VisionUVCE is in constant touch with the group and support them.

Team VisionUVCE

A Day Out With Robots at UVCE

'Robot', a word that got constantly redefined in my dictionary through my years of growing up. As a child when one asked what a robot was, I would answer "It is a Super toy with Magical powers". But the perception didn't stay long. In high school, a Robot seemed like a Complex Machine that only geniuses or scientists could build. In college, "why break my head now, I'll anyway learn it in Engineering!" Finally in engineering, if one asked about what a robot was, my answer would be "Who knows?!" Well, I finally got my right meaning of a Robot by attending the Robotics Workshop organized by the Robotics Club of IEEE UVCE in our college on the 20th and 21st of October 2012.



The workshop on 'Line-Following Robots' was conducted by a company called Li2 Innovations. As the morning of 20th arrived, all the students of various branches and semesters, pretty much filled with excitement and eagerness to learn making the robot reached MINCHU where the workshop took place as for there was a requirement of computers. Mr. Ranjith of Li2 Innovations was present to conduct and take us through the workshop. Filled with enthusiasm, the workshop kick-started with Mr. Ranjith giving us a brief overview of Robot Anatomy and what we would learn through the course of the workshop. The Robot kits were given to everyone and assembling of the robot went underway as the step by step instructions for the same were given by Mr. Ranjith. Being newbies, the complete assembly of the robot took quite a lot of time after which the various electrical connections were made. For the purpose of programming the robot, a programming language called Arduino was chosen. The basic briefing of the Arduino programming commands was given to us after which we started writing programs with our first program being a task to blink the LED on the robot at various intervals. Now the time had come for the robot to warm up doing some physical exercise hence the programming for the basic motion of the robot as in moving forward, backward and so on took place. As the dusk fell, we came to the part of the programming the robot to respond by reading the incoming serial data entered by the user and returning a value or response depending on the key pressed by the user. As the clock stroked 5, it marked the end of Day 1 of a successful workshop and we returned home happy and excited on having built a robot.

Day 2 started off with no delay as the room bustled with energy and all of us came to working on a program where the movement of the robot is defined on the key pressed similar to working of a remote control car. Soon after finishing this task IR sensors were mounted on the robot for detection and data was returned to the robot on what was detected. Using the above concept the final program on which the entire workshop was themed "Line Follower" was made where the robot was made to follow a given path and if on deviation from the path, the robot was programmed to self adjust itself back to the path. To provide a fun end to the wonderful workshop all the students were asked to program their robots for a "SUMO WRESTLING CHALLENGE". The competition involved the students to program their robot in such a way that the robot stays in a given arena and searches for the opponent by moving in a random direction and on detecting the opponent, it had to wrestle it in a effort to push the opponent robot out of the arena. After applying a lot of thoughts and scratching our brains, all the teams were ready with their programmed robots. All the teams then contested with their robots and it was fun to watch the matches, with everyone cheering for their robots. Joyous shouts of the teams filled the room on the victory of their triumphant robots and sighed slightly disappointed when their robot was defeated. The scene looked like an exact replica of an actual Sumo wrestling match. Well, with this, Day 2 and the Line-Follower Robotics Workshop successfully came to an end and all the students left having gained worthy knowledge on robots and the related topics and having had loads of fun at the workshop learning.



Chitra S Reddy, 1st Sem, ECE

In the Pursuit of Treasure

“There comes a time in every rightly-constructed boy’s life when he has a raging desire to go somewhere and dig for hidden treasure.” - Henry Kissinger

Like to fulfill this desire, an opportunity was provided to us by our seniors who organized a treasure hunt event in the college for the freshers. It was a time when we were finding very difficult to adjust to new college campus, new friends, new teachers, new syllabus and everything new. This game organized, came as a savior. It served as an ice breaker as we were able to interact with seniors and students of other branches and share our feelings and felt comfortable that all were alike with the feelings. The seniors usually like to rag their juniors and they are the ones whom the juniors are very scared off. But in UVCE, it was entirely different. The seniors are so kind and are good guide to us. The event had a good response from the freshers. We were put into a team of two and more than 20 teams were made. The teaming was done between the students of various branches.

The game began and one clue each was given to all the teams. The enthusiasm and curiosity to find the next clues and the treasure was very high amongst us. All were running here and there, around the campus with the tension on their faces. I was teamed with a guy from CS class named Gurumahesh. We both were very keen on finding the treasure. We cracked the first clue and got the second. But the problem started there. It was a riddle and a difficult one to crack. Here it said, “Thirty white horses on a red hill, 1st they champ, then they stamp, and then they stand still.” We were totally puzzled.

Instead of solving the riddle, we started searching for 30 white horses in our campus. After a long search, we found the answer and the other clues and finally reached the treasure place to see not the treasure but the 4-5 groups who had already reached and found the treasure. That was a bit disappointment to us because we missed the IEEE UVCE T-Shirt. But the one thing that stayed with me is the excitement when I actually found an answer to a clue.

After the event, a T-Shirt was left to be given to us. So many questions were put up for that T-Shirt. Luckily I knew the answer for one of the question and I shouted out aloud and the T-shirt was mine!!! That was a proud moment for me. The whole treasure hunt experience was a great one in my life to relish as it was during the 1st few days at UVCE!!!

Aravind R

1st Sem ISE

PROJECT VISHISHT

For the talented students in UVCE, pursuing their engineering dreams, we came up with the idea of providing a platform to work on small projects which will help them to work on what one learns in the classroom and in that way, also learn more about the practical challenges. We are aiming at projects, at the initial stages to gather the interest amongst the students and going forward in future, aim at some cutting edge technology projects which will bring name and fame to the college along with the students.

Details about the initiative will be announced soon in the website. If you are interested to know more about the initiative or if you are keen on providing support, we would be glad to provide more details. Please reach out to us - samvaada@visionuvce.in



ನಾನು ಹೇಗೆ ವಿಜ್ಞಾನಿಯಾದೆ?

ಇದೆಲ್ಲವೂ ಮನೆಯಿಂದಲೇ ಆರಂಭವಾದದ್ದು. ಹುಟ್ಟಿ ಬೆಳೆದ ಆ ಸಣ್ಣ ಪಟ್ಟಣವೊಂದರ ಮೊದಲ ಕೆಲವೇ ವಿಜ್ಞಾನ ಪದವೀಧರರಲ್ಲಿ ಒಬ್ಬರಾಗಿದ್ದ ನನ್ನ ತಂದೆ ಮುಂದೆ ಅಲಹಾಬಾದಿನಲ್ಲಿ -ಮನೆಯಿಂದ ಸುಮಾರು ಸಾವಿರ ಮೈಲಿ ದೂರ- ಬೋಧಿಸುತ್ತಿದ್ದ ಭಾರತದ ಹೆಸರಾಂತ ಭೌತವಿಜ್ಞಾನಿ ಮೇಘನಾದ ಸಹಾ ಅವರ ಬಳಿ ಕಲಿಯಲೆಂದು ಹೋಗಿದ್ದರು. ಭೌತ ವಿಜ್ಞಾನದ ಸ್ನಾತಕೋತ್ತರ ಪದವಿಯೊಂದಿಗೆ 1930ರ ಹೊತ್ತಿಗೆ ಹಿಂದಿರುಗಿದ ನನ್ನ ತಂದೆ ಬೆಂಗಳೂರಿನ ಸೆಂಟ್ರಲ್ ಕಾಲೇಜಿನಲ್ಲಿ ಬೋಧನೆ ಮಾಡಲಾರಂಭಿಸಿದರು; ನಂತರದ ದಿನಗಳಲ್ಲಿ ವಿಜ್ಞಾನ ಕುರಿತು ವಿಸ್ತೃತವಾಗಿ ಭಾರತೀಯ ಭಾಷೆಗಳಲ್ಲೊಂದಾದ ಕನ್ನಡದಲ್ಲಿ ಬರೆಯತೊಡಗಿದರು. ಅವರು ನನಗೆ ನೇರವಾಗಿ ವಿಜ್ಞಾನ ಅಥವಾ ಭೌತವಿಜ್ಞಾನವನ್ನು ಕಲಿಸಿದ್ದು ಕಡಿಮೆ. ಆದರೆ ವೈಜ್ಞಾನಿಕವಾದ ಅಧುನಿಕತೆ, ಸಾಮಾಜಿಕವಾದ ಔದಾರ್ಯ ಹಾಗೂ



ಸಾಂಸ್ಕೃತಿಕವಾದ ಸಾಂಪ್ರದಾಯಿಕತೆಗಳೊಡಗೂಡಿದ್ದ ಅವರ ಆದರ್ಶ ಹಾಗೂ ನಿಲುವುಗಳ ಮೂಲಕ ನನ್ನೊಳಗೆ ಮೂಲವಾಗಿ ಅಡಕವಾಗಿದ್ದ ಹಿರಿಮೆಯನ್ನು ಚೇತನಗೊಳಿಸಿದರು. ಹತ್ತನೇ ವಯಸ್ಸಿನ ನಂತರ ಶಾಲೆಗೇ ಹೋಗದಿದ್ದರೂ ನನ್ನ ತಾಯಿ ಹೆಚ್ಚು ಓದಿಕೊಂಡಿದ್ದರು ಹಾಗೂ ಒಳ್ಳೆಯ ಸಂಸ್ಕಾರ ಪಡೆದವರಾಗಿದ್ದರು - ಹಾಗೆಯೇ ಹೆಮ್ಮೆಯ ವ್ಯಕ್ತಿಯಾಗಿದ್ದರು. ರಾತ್ರಿ ಮಲಗುವ ಮುನ್ನ ಅವರೇ ಕಲಿಸಿದ ಪ್ರಾರ್ಥನೆಗಳ ಮೂಲಕ ಮಕ್ಕಳಾದ ನಾವು ಕೇವಲ ಬುದ್ಧಿವಂತಿಕೆ ಮತ್ತು ಜ್ಞಾನವನ್ನು ಕೊಡು ಎಂದು ದೇವರಲ್ಲಿ ಕೇಳಿಕೊಳ್ಳುತ್ತಿದ್ದೆವು.

ಶಾಲೆಯಲ್ಲಿದ್ದಾಗ ಕೆಲವೊಂದು ಶ್ರೇಷ್ಠ ಶಿಕ್ಷಕರನ್ನು ಪಡೆಯುವ ಅದೃಷ್ಟ ನನ್ನದಾಗಿತ್ತು. ಅವರಲ್ಲೊಬ್ಬರು ನೊಬೆಲ್ ಪುರಸ್ಕೃತರಾಗಿದ್ದ ಸಿ.ವಿ. ರಾಮನ್ ಸಂಗಡ ನಮ್ಮ ಭೇಟಿಯನ್ನು ಹೇಗೋ ಹೊಂದಿಸಿದ್ದರು. ಆಗ ರಾಮನ್ ಅವರದು ಭಾರತದ ವಿಜ್ಞಾನರಂಗದ ಅತಿ ದೊಡ್ಡ ಹೆಸರಾಗಿತ್ತು. ಅವರು ತಮ್ಮ ಕಾರ್ಯದ ಬಗ್ಗೆ ಲಘು ಧಾಟಿಯಲ್ಲೇ ಅದೆಷ್ಟು ಸುಲಲಿತವಾಗಿ ಮಾತನಾಡಿದರೆಂದರೆ ಸಭೆಯಲ್ಲಿದ್ದ ಎಲ್ಲ ವಿದ್ಯಾರ್ಥಿ ಹಾಗೂ ಶಿಕ್ಷಕವರ್ಗ ಮೋಡಿಗೊಳಗಾದಂತಿತ್ತು. ರಾಮನ್ ಅವರ ಆ ಭೇಟಿಯನ್ನು ಏರ್ಪಡಿಸಿದ್ದ ಕೆವಿಆರ್ ಎಂಬ ನನ್ನ ಗುರುಗಳು ಪುಟ್ಟದಾಗಿ ಹಾಗೂ ಪ್ರಾಮಾಣಿಕವಾಗಿ ಬರೆಯುವುದನ್ನು ನನಗೆ ಕಲಿಸಿಕೊಟ್ಟವರು. ಆ ಸಮಯದಲ್ಲಿ ಶಾಲೆಯಲ್ಲಿ ನಾವು ಬರೆಯುತ್ತಿದ್ದ ಅನೇಕ ಪರೀಕ್ಷೆಗಳಲ್ಲಿ 'ಸೌರ ಮಂಡಲದಲ್ಲಿ ಎಷ್ಟು ಗ್ರಹಗಳಿವೆ?' ಎಂಬಂಥ ಪ್ರಶ್ನೆಗಳನ್ನು ಸಾಮಾನ್ಯವಾಗಿ ಕೇಳಲಾಗುತ್ತಿತ್ತು. ನನ್ನ ಉತ್ತರ ಪತ್ರಿಕೆಯಲ್ಲಿ ಪ್ರಶ್ನೆಯ ಸಂಖ್ಯೆಯೊಂದಿಗೆ ಕೇವಲ '9' ಎಂಬ ಸಂಖ್ಯೆಯ ಹೊರತಾಗಿ ಬೇರೇನೂ ಇರುತ್ತಿರಲಿಲ್ಲ, ಗ್ರಹಗಳ ಹೆಸರುಗಳನ್ನು ನಾನೇಕೆ ಬರೆದಿಲ್ಲವೆಂದು ಇತರ ಶಿಕ್ಷಕರು ನನ್ನನ್ನು ಗದರಿಸುತ್ತಿದ್ದರು. ಪ್ರಶ್ನೆಯಲ್ಲಿ ಗ್ರಹಗಳ ಹೆಸರುಗಳನ್ನೂ ಬರೆಯಬೇಕೆಂದು ಕೇಳಿಲ್ಲವಾದ್ದರಿಂದ ಇದು ನ್ಯಾಯಬದ್ಧವಲ್ಲವೆಂಬ ಅನಿಸಿಕೆ ನನ್ನದಾಗಿತ್ತು. ಇಂಥ ಸಂದರ್ಭಗಳಲ್ಲಿ ಕೆವಿಆರ್ ನನ್ನ ಪರವಾಗಿರುತ್ತಿದ್ದರು. ಹೀಗಾಗಿ ನಮ್ಮ ನಡುವಿನ ಬಾಂಧವ್ಯ ಗಟ್ಟಿಯಾಗತೊಡಗಿತು. ಖಾಸಗಿಯಾಗಿ ಹತ್ತಿರವಾಗದಿದ್ದರೂ ಒಂದು ಕಡೆ ಆತ್ಮೀಯ ಪ್ರೀತಿ ಮತ್ತೊಂದು ಕಡೆ ಗೌರವ ಆದರಗಳ ನಂಟು ಅದಾಗಿತ್ತು. ಮತ್ತೊಬ್ಬ ಗುರುಗಳು ನಮ್ಮೊಂದಿಗೆ ತೀರಾ ಆತ್ಮೀಯರಾಗಿಬಿಟ್ಟರು. ಅವರು ನನ್ನನ್ನು ಹಾಗೂ ಇನ್ನೂ ಕೆಲವೊಂದು ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಕಾಫಿ, ದೋಸೆ ಹಾಗೂ ಸುದೀರ್ಘ ಮಾತುಕತೆಗಳಿಗಾಗಿ ಹೊರಗೆ ಕರೆದೊಯ್ಯುತ್ತಿದ್ದರು. ಹೀಗೊಮ್ಮೆ ಅವರು ನನಗೆ ಎರಡು ಪುಸ್ತಕಗಳನ್ನು ಉಡುಗೊರೆಯಾಗಿ ಕೊಟ್ಟರು. ಅವುಗಳಲ್ಲಿ ಒಂದು 'ಲೈವ್ಸ್ ಆಫ್ ಗ್ರೇಟ್ ಸೈಂಟಿಸ್ಟ್ಸ್' (ಶ್ರೇಷ್ಠ ವಿಜ್ಞಾನಿಗಳ ಜೀವನ ಚರಿತ್ರೆ), (ಪಾಶ್ಚಿಮಾತ್ಯ) ವಿಜ್ಞಾನದ ಅದ್ಭುತ ಬೌದ್ಧಿಕ ಲೋಕದತ್ತ ಅದು ನನ್ನ ಕಣ್ಣು ತೆರೆಯಿಸಿತು. ಮತ್ತೊಂದು ಪುಸ್ತಕ ಲ್ಯೂಯಿಸ್ ಕ್ಯಾರಲ್ ಅವರ 'ಅಲಿಸ್ ಇನ್ ವಂಡರ್‌ಲ್ಯಾಂಡ್' (ಪಾತಾಳದಲ್ಲಿ ಪಾಪಚ್ಚಿ) ಪುಸ್ತಕದ ಕನ್ನಡ ಅವತರಣಿಕೆ, ನನ್ನನ್ನು ಕೂಡಲೇ ಮನಸೂರೆಗೊಂಡಿತು. ಅದು ಹೇಗೆ ಬಿಎಲ್‌ಎ ಅವರಿಗೆ ಯಾವ ಪುಸ್ತಕಗಳು ನನ್ನ ಮನದಲ್ಲಿ ಅಚ್ಚಳಿಯದೆಯೇ ಉಳಿದುಕೊಳ್ಳುತ್ತವೆಂಬ ವಿಷಯ ನಿಖರವಾಗಿ ಗೊತ್ತಿತ್ತು?

ಸರಕಾರಿ ಕಾಲೇಜಿನ ಹುಡುಗ...

1949ರಲ್ಲಿ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಪ್ರವೇಶ ಪಡೆಯುವ ಹೊತ್ತಿಗೆ ಭೌತ ವಿಜ್ಞಾನವನ್ನು ಗಂಭೀರವಾಗಿ ಅಧ್ಯಯನ ಮಾಡುವ ಒಂದೇ ಅಭಿಲಾಶೆ ನನ್ನೊಳಗಿತ್ತು. ಆದರೆ ಆ ಸಮಯದಲ್ಲಿ ದಕ್ಷಿಣ ಭಾರತವಿಡೀ ವ್ಯಾಪಿಸುತ್ತಿದ್ದ (ರಕ್ತರಹಿತ) ರಾಜಕೀಯ ಹಾಗೂ ಸಾಮಾಜಿಕ ಕ್ರಾಂತಿಯು ನನ್ನ ಮನದಾಸೆಯನ್ನು ಪೂರೈಸಿಕೊಳ್ಳುವ ಅವಕಾಶ ನೀಡಲಿಲ್ಲ. ಕೊನೆಗೆ ನಾನು ಬೆಂಗಳೂರಿನ ಸರ್ಕಾರಿ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಷಯವನ್ನು ಕಲಿಯಲು ಹೊರಟೆ. ಕಲಿಕೆಯ ಆ ವರ್ಷಗಳಲ್ಲಿ ನನ್ನನ್ನು ಸ್ಫೂರ್ತಿಗೊಳಿಸುವ ಘಟನೆಯೊಂದು ಜರುಗಿತು.

ಸಾರ್ವಜನಿಕರಿಗಾಗಿ ತೆರೆದಿದ್ದ 'ಮುಕ್ತ ದಿನ'ದಂದು ಭಾರತೀಯ ವಿಜ್ಞಾನ ಮಂದಿರಕ್ಕೆ (ಐಐಎಸ್ಸಿ) ನಾನೊಮ್ಮೆ ಭೇಟಿಯಿತ್ತೆ. ಅಲ್ಲಿ ಕೆಲವೇ ವರ್ಷಗಳ ಹಿಂದೆ ಆರಂಭವಾಗಿದ್ದ ಏರೋನಾಟಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಆವರಣದ ಮುಂದೆ ಭಾರತೀಯ ವಾಯುಪಡೆ ಸಾಲವಾಗಿ ನೀಡಿದ್ದ ದ್ವಿತೀಯ ಮಹಾಯುದ್ಧ ಕಾಲದ 'ಸ್ಟಿಟ್ ಫೈರ್' ವಿಮಾನ ವಿರಾಜಮಾನವಾಗಿ ನಿಂತಿತ್ತು. ವಿಮಾನವೊಂದನ್ನು ಅತಿ ಹತ್ತಿರದಿಂದ ನೋಡುವ ಅವಕಾಶ ನನ್ನದಾಯಿತು, ಹಾಗೆಯೇ ಮತ್ತೊಂದು ಲೋಕದತ್ತ ನನ್ನ ಕಣ್ಣು ಹರಿಯುವಂತಾಯಿತು. ಸ್ಟಿಟ್ ಫೈರ್‌ನ ಹೊರ ಆಕೃತಿಯು ವಿಶೇಷವಾಗಿ ಅದರ ದೀರ್ಘ ವೃತ್ತಾಕಾರದ ಸುಂದರ ಹಾರುರೆಕ್ಕೆಗಳು ಎಷ್ಟೊಂದು ನಯ ಹಾಗೂ ಗಾಂಭೀರ್ಯವನ್ನು ಸೂಸುತ್ತಿದೆಯೆಂಬ ಭಾವನೆ ನನ್ನಲ್ಲಿ ಮೂಡಿತು. ಆದರೆ, ವಿಮಾನದೊಳಗೆ ಕಣ್ಣು ಹಾಯಿಸಿದರೆ ತಂತಿಗಳು, ಕೊಳವೆಗಳು, ನಾಳಗಳು, ಕವಾಟಗಳು- ಹೀಗೆ ಎಲ್ಲವೂ ಸುತ್ತಿಕೊಂಡ ಗೊಂದಲದ ಗೂಡಿನಂತೆ ನನಗೆ ಭಾಸವಾಗುತ್ತಿತ್ತು. ನನಗಾಗ ಅಚ್ಚರಿಯಾಗಿ ತೋರಿದ್ದು ಗಾಂಭೀರ್ಯವೇ ಮೂರ್ತಿವೆತ್ತಿದ್ದ ಬಾಗುಗೆರೆಗಳು, ಹಾಗೂ ಉಬ್ಬುತ್ತಿಗಿನ ಮೇಲ್ಮೈಗಳ (ಇವೆಲ್ಲವೂ ಗಣಿತ ವಿಜ್ಞಾನದಿಂದ ತೆಗೆದುಕೊಂಡಿರುವುದೆಂದು ನಾನು ಭಾವಿಸಿದೆ) ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಅಡಗಿರುವ ದಂಗುಬಡಿಸುವ ಕ್ಲಿಷ್ಟ ತಂತ್ರಜ್ಞಾನ - ಇವೆರಡನ್ನೂ ಕರಗತ ಮಾಡಿಕೊಂಡಿರಬಹುದಾದ ಆ ಅಸಾಮಾನ್ಯ ಜನರ ಬಗ್ಗೆ ನಾನು ಕೌತುಕಗೊಂಡೆ.

ಹೀಗಾಗಿ ನಾನು ಪದವಿ ಪಡೆದ ನಂತರ ಏರೋನಾಟಿಕ್ಸ್‌ಗೇ ಹೋಗಬೇಕೆಂದುಕೊಂಡೆ, ಆದರೆ ಆ ಕಾಲದಲ್ಲಿ ಅದು ಫ್ಯಾಷನಬಲ್ ಆಗಿರಲಿಲ್ಲ. ನನ್ನ ತಂದೆಯವರ ಸಲಹೆಯಂತೆ (ಈ ವಿಷಯದಲ್ಲಿ ಸ್ನಾತಕೋತ್ತರ ಅಧ್ಯಯನ ನೀಡುತ್ತಿದ್ದ) ಇನ್ಸ್ಟಿಟ್ಯೂಟ್‌ನಲ್ಲಿದ್ದ ಕುಟುಂಬದ ಮಿತ್ರರ ಬಳಿ ವಿಚಾರಿಸಿದೆ. ಅವರ ತಕ್ಷಣದ ಪ್ರತಿಕ್ರಿಯೆ ಏನಿತ್ತೆಂದರೆ, 'ನೀನು ಮೂರ್ಖನಂತೆ ಆಡಬೇಡ. ಇದರ ಬದಲು ರೈಲ್ವೆಯನ್ನೋ ಬರ್ಮಾ ಶೆಲ್ ಕಂಪನಿಯನ್ನೋ (ಬೆಂಗಳೂರಿನ ಇಂದಿನ ಕೈತುಂಬಾ ಸಂಬಳದ ಸಾಫ್ಟ್‌ವೇರ್ ಕೆಲಸಕ್ಕೆ ಸಮವಾದದ್ದು) ಸೇರುವುದು ಒಳ್ಳೆಯದು!'. ಮಿತ್ರರ ಸಲಹೆಯಿಂದ ನಿರಾಶನಾದ ನಾನು, ತಂದೆಯ ಬಳಿ ಹಿಂದಿರುಗಿದಾಗ ಅವರು 'ಹಾಗಿದ್ದರೆ ಏನು ಮಾಡಬೇಕೆಂದಿರುವೆ?' ಎಂದು ಪ್ರಶ್ನಿಸಿದರು. 'ನನಗೆ ಈಗಲೂ ಇಷ್ಟವಾದದ್ದು ಏರೋನಾಟಿಕ್ಸ್ ಮಾತ್ರ' ಎಂದೆ. ಅವರು 'ಹಾಗಿದ್ದರೆ ಸರಿ, ಮುಂದುವರಿ' ಎಂದು ಪ್ರತಿಕ್ರಿಯಿಸಿದರು. ಗಂಟೆಗಟ್ಟಲೆಯ ಚರ್ಚೆ ಮಾಡಬೇಕೇನೋ ಎಂದುಕೊಂಡಿದ್ದ ವಿಷಯ ಕೇವಲ ಎರಡೇ ನಿಮಿಷಗಳಲ್ಲಿ ಇತ್ಯರ್ಥವಾಗಿತ್ತು, ಹಾಗೆಯೇ ನಾನು ಇಂಡಿಯನ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಸೈನ್ಸ್ ಪ್ರವೇಶಿಸಿದೆ - ಕಳೆದ ಅರವತ್ತು ವರ್ಷಗಳ ಬಹುತೇಕ ಭಾಗವನ್ನು ನಾನು ಒಂದಿಲ್ಲೊಂದು ಕಾರ್ಯಭಾರದಿಂದಾಗಿ ಇದೇ ಆವರಣದಲ್ಲಿ ಕಳೆದಿದ್ದೇನೆ.

ಧವನ್ ತೋರಿಸಿದ ಜಗತ್ತು

ಇನ್ಸ್ಟಿಟ್ಯೂಟ್‌ನಲ್ಲಿ ಪ್ರೊಫೆಸರ್ ಸತೀಶ್ ಧವನ್ ಅವರಿಂದ ನನಗೆ ಹೊಸತಾದ ಮತ್ತೊಂದು ಲೋಕ ತೆರೆದುಕೊಂಡಿತು. ಕ್ಯಾಂಪಸ್‌ನಲ್ಲಿ ನವ ಜಗತ್ತಿನಿಂದ ಬೀಸಿದ ತಾಜಾ ಗಾಳಿಯ ನವಿರೇಳಿಸುವ ಉಸಿರಿನ ಪ್ರತಿನಿಧಿಯಾಗಿದ್ದವರು. ಕ್ಯಾಲಿಫೋರ್ನಿಯ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿಯಿಂದ (ಕ್ಯಾಲೆಕ್) ಡಾಕ್ಟರೇಟ್ ಪದವಿಯೊಂದಿಗೆ ಬಂದಿದ್ದ ಅವರು ತಮ್ಮ ನಡವಳಿಗಳಲ್ಲಿ ಸಂಪ್ರದಾಯರಹಿತರಾಗಿದ್ದರೂ ಕೆಲಸದ ಬಗ್ಗೆ ತೀರಾ ಬಿಗಿಯಾಗಿದ್ದರು (ಆ ಸಮಯದಲ್ಲಿ ಇನ್ಸ್ಟಿಟ್ಯೂಟಿನಬಹುತೇಕ ಪ್ರಾಧ್ಯಾಪಕರು ಇದಕ್ಕೆ ತದ್ವಿರುದ್ಧ ನಡೆಯುವರಾಗಿದ್ದರು). ಬಹುತೇಕ ಸ್ಟಿಟ್ ಫೈರ್ ವಿಮಾನವನ್ನು ನೆನಪಿಸುವಂತೆ, ಅವರ ಪ್ರಯೋಗಶಾಲೆಯಲ್ಲಿ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ತುಡುಕುಗಳಂತೆ ಬೆಸೆದುಕೊಂಡಿತ್ತು. ಅವರ ಬಳಿಯಿದ್ದ ಗಾಳಿ ತಿದಿಯೊತ್ತುವ ಬೃಹತ್ ಕಂಪ್ರೆಸರ್ ಯಂತ್ರಗಳು ಅವರೇ ನಿರ್ಮಿಸಿದ್ದ ಶಬ್ದಾತೀತ ವೇಗದ ವಾಯುಸುರಂಗಗಳನ್ನು ನಡೆಸುತ್ತಿದ್ದವು, ಆದರೆ (ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಎಂಬುದು ತೀರಾ ಅಪರಿಚಿತವಾಗಿದ್ದ ಆಗಿನ ದಿನಗಳಲ್ಲಿ) ವಾಯುಸುರಂಗಗಳಲ್ಲಿ ಮಸೂರಗಳನ್ನು ಹಾಗೂ ಗ್ಯಾಲ್ವನೋಮೀಟರ್‌ಗಳನ್ನಷ್ಟೇ ಬಳಸಿಕೊಳ್ಳುತ್ತಿದ್ದ ಮಾಪಕಗಳಿದ್ದವು. ಮುಂದಿನ ದಿನಗಳಲ್ಲಿ ಅವರು ದೇಶದ ಮಹತ್ತರ ವೈಜ್ಞಾನಿಕ ಮುಂದಾಳಾಗಿ, ಬಾಹ್ಯಾಕಾಶ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆಯನ್ನು ಕಟ್ಟಿ ಅದನ್ನೊಂದು ಯಶಸ್ವಿ ಬೃಹತ್ ತಂತ್ರಜ್ಞಾನ ಅಭಿವೃದ್ಧಿ ಉದ್ಯಮಿಯಾಗಿಸಿದರು. ಹಾಗೆಯೇ, ಧವನ್ ಅವರು ವಿಜ್ಞಾನದ ಬೃಹತ್ ಶಾಖೆಗಾಗಿದ್ದ ತಮ್ಮ ರಾಷ್ಟ್ರೀಯ ಬದ್ಧತೆಯನ್ನು ವಿಜ್ಞಾನದ ಪುಟ್ಟದೊಂದು ಶಾಖೆಯೊಂದಿಗಿದ್ದ ಆಳವಾದ ಹಾಗೂ ಖಾಸಗಿ ಪ್ರೇಮವನ್ನು ಸರಿದೂಗಿಸಿಕೊಂಡಿದ್ದರು. ಅಗತ್ಯವಾಗಿದ್ದ ಎಲ್ಲ ಸಾಧನ ಸಲಕರಣೆಗಳು ಇಲ್ಲದಿದ್ದಾಗಲೂ ಸಂಶೋಧನೆಯನ್ನು ಹೇಗೆ ಮುನ್ನಡೆಸಬೇಕೆಂದು ನಾನು ಅವರಿಂದ ಕಲಿತುಕೊಂಡೆ. ಅವರ ಪ್ರಯೋಗಶಾಲೆಯ ತುಂಬಾ ಅವರೇ ಮುದ್ದಾಗಿ ಕರೆಯುತ್ತಿದ್ದ ಸುಂದರ ಗಿರ್ರೋಗಳಿದ್ದವು - ಅವೆಲ್ಲವನ್ನೂ ಧವನ್ ಅವರ ವಿನ್ಯಾಸ ಹಾಗೂ ಆದೇಶಗಳಿಗೆ ಅನುಗುಣವಾಗಿ ಪುರಾತನ ಕಾಲದ ಯಂತ್ರೋಪಕರಣಗಳೊಂದಿಗೆ ಡಿಪಾರ್ಟ್‌ಮೆಂಟಿನ ವರ್ಕಶಾಪಿನಲ್ಲೇ ಅಲ್ಪಸ್ವಲ್ಪ ವಿದ್ಯೆ ಕಲಿತಿದ್ದ ಮೆಕ್ಯಾನಿಕ್‌ಗಳು ಸಿದ್ಧಪಡಿಸುತ್ತಿದ್ದರು. ನಂತರ ನಾವು ಜತೆಯಾಗಿಯೇ ಆಸಿಲೋಸ್ಕೋಪ್‌ನ ಗೀಚುಗಳನ್ನು ವೇಗವಾಗಿ ದಾಖಲಿಸಬಲ್ಲ ಒಂದು ಡಾಲರ್‌ನ ಬಾಕ್ಸ್ ಕ್ಯಾಮೆರಾ ಸೇರಿದಂತೆ ಹಲವನ್ನು ಆ ಸಂಗ್ರಹಕ್ಕೆ ಸೇರಿಸಿದೆವು. ಹೀಗೆ ಸಂಗ್ರಹಿಸಿದ ಅಂಥ ದಾಖಲೆಗಳು ಜಗನ್ಮಾನ್ಯ 'ಜರ್ನಲ್ ಆಫ್ ಫ್ಲಯಿಡ್ ಮೆಕ್ಯಾನಿಕ್ಸ್'ನಲ್ಲಿ ಪ್ರಕಟವಾದ ಪ್ರೌಢ ಪ್ರಬಂಧಗಳಲ್ಲಿ ಸೇರಿಹೋದವು.

ಡಾ||ರೋದ್ದಂ ನರಸಿಂಹ ಅವರ ಲೇಖನವನ್ನು ಮತ್ತೊಬ್ಬ ಯುವಿಸಿಇ ಹಳೆಯ ವಿದ್ಯಾರ್ಥಿ ಸುಧೀಂದ್ರ ಹಾಲ್ಕೊಡೇರಿ ವಿಜಯಕರ್ನಾಟಕದಲ್ಲಿ ಕನ್ನಡಕ್ಕೆ ಅನುವಾದ ಮಾಡಿದ್ದಾರೆ. ಪೂರ್ತಿ ಲೇಖನಕ್ಕೆ ಇಲ್ಲಿ ನೋಡಿ - <http://vijaykarnataka.indiatimes.com/articleshow/15235189.cms>

KAGADA- Inspiring innovation

Kagada, the technical paper presentation contest, had its ninth annual student conference on November 2nd. The inauguration was done by Dr. Venugopal K R, Principal, UVCE on behalf of K Chidananda Gowda, Former Vice Chancellor of Kuvempu University. As many as 30 papers were sent from various colleges, out of which 7 papers were selected to be presented in front of the judges. Papers from different colleges like MSRIT, SJBIT, and our college were selected. A paper from Vellore Institute of technology was also selected for the presentation.



Simultaneously, the WIE paper presentation, the STAR program, and the poster presentation programs were conducted. The WIE –women in engineering, paper presentation program saw, women engineers portraying their talent. The paper presented by UVCE students, Samhitha and Shruthi about “Spam detection in mails using RePID- OK” won the first prize in WIE section. STAR- Student Teacher Research program gave an opportunity to school children to explore their talent. They were given three topics to select from, and explain one topic.



The poster presentation also saw a large number of participants. The first prize was won by Madhusudhan, Satish Kumar and Madhu of UVCE. The main paper presentation event was won by Shashank Nevda of SJBIT for his paper “Prioritised motion planning for multiple robot systems”. And second prize was shared by Bijil-Puneeth from UVCE for their paper “Middleware services for unification of data from heterogeneous modes in WSNs” and Mayank from Vellore institute of technology for his paper “ Audio noise cancellation using weiner filter based on LMS algorithm “.

The valedictory function was highlighted by the presence of Mr. Sudeendra Koushik, PMP, speaker and writer, who spoke about the importance of research in students’ life. His speech was encouraging and inspiring. Finally, the prizes were given away to the winners and the event that went with all glory ended successfully.

Feedback/Suggestions



We are already into 34th edition. We are delighted when we listen a lot about SAMPADA when we talk to the seniors, but we would also be glad to receive mails and know what do you think of them. For our 36th edition, we are planning to post few comments/feedbacks/ suggestions from our readers which will guide us through the next phase. Please do write to us what you like about SAMPADA, what you would love to see SAMPADA going forward, how would you like to get involved and more... Our email id is sampada@visionuvce.in and we will hope it will be flooded with emails :)