

# Sampada

Your Window to UVCE

## SpecialREPORT

- **IEEE UVCE Astronomy Club**

IEEE UVCE Astronomy club started as an 'SIG' under 'IEEE UVCE' student chapter in the year 2011, It aims at keeping all the pupil of UVCE updated

- **Thatva Theatre Group**

Thatva is reality. Thatva is also the theatre club of our college, UVCE. Maybe the whole point of calling a theatre club

- **Star Event - Million \$\$ Smiles**

It was a bright and sunny morning when a group of 31 girls accompanied by 3 teachers from BBMP Girls High School boarded the bus heading to UVCE. They were jittery

- **INSPIRON 13.0**

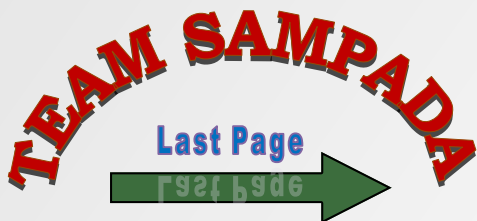
Who said technical fests are not fun? INSPIRON 13.0, managed to prove it wrong in every sense of the word! INPSIRON 13.0, held on 18<sup>th</sup> and 19<sup>th</sup> of November 2013 was organized by Placement Office



ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವದ ಹಾರ್ಡಿಕ ಶುಭಾಶಯಗಳು !!



**ONE MORE EDITION AND IT WILL BE 4 YEARS !!!  
TEAM SAMPADA HAS A REQUEST TO ALL SAMPADA  
READERS...CHECK ABOUT IT IN PAGE 11..HOPING TO  
HEAR FROM YOU !**



## THIS MONTH ISSUE

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## ಸಂಪಾದಕೀಯ

ಈ ಸಂಚಿಕೆಯ ಸಂಪದದ ಬಗ್ಗೆ ಬರೆಯುವ ಬದಲು, ಸಂಪಾದಕೀಯದಲ್ಲಿ ಒಂದಿಷ್ಟು ಕನ್ನಡತನದ ಬಗ್ಗೆ, ಕರ್ನಾಟಕದ ಭಾವೈಕ್ಯತೆಯ ಬಗ್ಗೆ ಬರೆಯೋಣ ಎಂದು.. ಸಂಪದದ ಒಳಗಿರುವುದನ್ನು ನೀವೇ ನೋಡಬಹುದು... ಅಲ್ಲವೇ?



ನವಂಬರ್ ತಿಂಗಳು ಬಂದರೆ ಕರ್ನಾಟಕದ ಬಹುತೇಕ ಪ್ರದೇಶಗಳಲ್ಲಿ ಹಬ್ಬದ ವಾತಾವರಣ. ಹುಯಿಲಗೋಳ ನಾರಾಯಣರಾಯರ 'ಉದಯವಾಗಲಿ ನಮ್ಮ ಚೆಲುವ ಕನ್ನಡ ನಾಡು' ಎಂಬ ಭಾವಪೂರ್ಣ ಕರೆಯ ಫಲಿತಾಂಶವೆಂಬಂತೆ ೧೯೫೬ ರ ನವಂಬರ್ ೧೪ ರಂದು ನಡೆದ ಕರ್ನಾಟಕ ಏಕೀಕರಣಕ್ಕೆ ಈ ವರ್ಷ ೫೮ ವರ್ಷಗಳೇ ತುಂಬಿದೆ. ಅಂದಿನಿಂದ ಇಂದಿನವರೆಗೆ ಕರ್ನಾಟಕ ಬಹಳಷ್ಟು ಬೆಳೆದಿದೆ , ಶೈಕ್ಷಣಿಕ, ವೈಜ್ಞಾನಿಕ , ವೈದ್ಯಕೀಯ ಹೀಗೆ ಮುಂತಾದ ವಿಭಾಗಗಳಲ್ಲಿ ಬಹಳಷ್ಟು ಮುಂಚೂಣಿ ಸಾಧಿಸಿದೆ. ಆದರೆ, ಕನ್ನಡಕ್ಕಾಗಿ ಒಂದುಗೂಡಿಸಲ್ಪಟ್ಟ ಈ ನಾಡಿನಲ್ಲಿ ಕನ್ನಡದ ಸ್ಥಿತಿ-ಗತಿ ಏನು ;ಯೋಚಿಸಿದ್ದೀರಾ ? . ಪ್ರಸ್ತುತ ಸ್ಥಿತಿ ಹೀಗೆಯೇ ಮುಂದುವರಿದದ್ದಾದರೆ ಕರ್ನಾಟಕದಲ್ಲಿ ಕನ್ನಡವನ್ನು ಹುಡುಕಬೇಕಾಗುವ ಪರಿಸ್ಥಿತಿ ಬಂದೊದಗುವ ಕಾಲ ಖಂಡಿತ ದೂರವಿಲ್ಲ.

ಹಾಗಾದರೆ, ಪ್ರಗತಿಯೊಂದಿಗೆ ಭಾಷೆಯ ಅವಸಾನ ಸರ್ವೇ ಸಾಮಾನ್ಯವಾ ? ಖಂಡಿತ ಇಲ್ಲ. ಮುಖ್ಯವಾಗಿ ಭಾಷೆಯ ಮೂಲಭೂತ ಗುಣ ಅಭಿವೃದ್ಧಿ. ಒಬ್ಬ ವ್ಯಕ್ತಿಯ ವ್ಯಕ್ತಿತ್ವದೊಂದಿಗೆ ಭಾಷೆಯು ಒಂದಾಗಿ ಬೆರೆತಿಲ್ಲವೆಂದಾಗ ಆತನ ಅಭಿವೃದ್ಧಿಯಲ್ಲಿ ಭಾಷೆಯ ಬಳಕೆ ಮರೆಯಾಗುವುದು ಖಚಿತ. ಹೀಗೆ ನಾವು ಕನ್ನಡದ ಬಳಕೆಯಿಂದ ದೂರವಾಗಲು ಕಾರಣಗಳೇನೆಂದು ಯೋಚಿಸಿದಾಗ ನನಗನಿಸಿದ್ದು ಹೀಗೆ.

### ೧) ಬೆಳೆಯುವ ವಾತಾವರಣ

- ಹಿಂದೆಲ್ಲ ಮಗು ಮಣ್ಣು ತಿಂದಾಗಲೋ, ಬಾಯಿಗೆ ಬೆರೆಳಿಟ್ಟಾಗಲೋ ತಾಯಿ ಮಗುವಿನ ಬಾಯ ಮೇಲೆ ಹೊಡೆಯುವುದನ್ನು ನೋಡಬಹುದಿತ್ತು , ಆದರೆ ಈ ದಿನಗಳಲ್ಲಿ ಮಗು ಕನ್ನಡ ಮಾತನಾಡಿದರೆ ಬಾಯ ಮೇಲೆ ಹೊಡೆಯುವ ತಾಯಂದಿರನ್ನು ನೋಡಬಹುದು. ಮಗು ಮಮ್ಮಿ ಡ್ಯಾಡಿ ಅನ್ನದಿದ್ದರೆ ಓರಗೆಯಲ್ಲಿ ಮರ್ಯಾದೆ ಕಡಿಮೆಯಲ್ಲವೇ ?

- ಮಾತು ಕಲಿತಾಗ ನಮಗೆ ಹೇಳಿಕೊಡುತ್ತಿದ್ದ ಹಾಡುಗಳಾದರೋ - 'ಒಂದು ಎರಡು ಬಾಳೆಲೆ ಹರಡು ..', 'ಬಣ್ಣದ ತಗಡಿನ ತುತ್ತೂರಿ ..', 'ಒಂದು ಕಾಡಿನ ಮಧ್ಯದೊಳಗೆ ' ಇತ್ಯಾದಿ . ಈಗಲ್ಲ ಈ ಹಾಡುಗಳನ್ನು ಕೇಳಿ ಬಲ್ಲವರು ಕೂಡ ಬಹಳಷ್ಟು ಕಡಿಮೆ.

- ಆಡಲು ಹೋದರೆ ನಮ್ಮದೇ ಕಬ್ಬಿ, ಲಗೋರಿ , ಕಣ್ಣ ಮುಚ್ಚಾಲೆ, ಮರಕೋತಿ ಇಂತಹ ಆಟಗಳನ್ನು ಆಡುತ್ತಿದ್ದ ಮಕ್ಕಳು ಈಗ ಕಾಣಿಸಿರುವುದೇ ಇಲ್ಲ. 'ಹೊರಗೆ ಹೋದರೆ ಮಗುಗೆ ಇನ್ಸೆಕ್ಷನ್ ಆಗುತ್ತಿ , ಅದಕ್ಕೆ ಮನೇಲೆ ಆಡ್ಯೂಂಡು ಇರಲಿ ಅಂತ ವೀಡಿಯೋ ಗೇಮ್ಸ್ ಕೊಡ್ತಿದಿವಿ ' ಅನ್ನೋ ತಂದೆ ತಾಯಂದಿರ ಹೆಚ್ಚು.

- ಅದ್ಭುತ ಸಾಹಿತ್ಯ , ಮೃದು ಮಧುರ ಸಂಗೀತವಿರುವ ಕನ್ನಡ ಭಾವಗೀತೆಗಳನ್ನು ಕೇಳಿಸಿ ಮಕ್ಕಳಿಗೆ ಅದರ ಅರ್ಥ ವಿವರಿಸುವ ಗೋಜಿಗಂತೂ ಹೋಗುವುದೇ ಇಲ್ಲ ಬಿಡಿ.

### ೨) ಓದುವ ಹವ್ಯಾಸ

- ನಾನು ಚಿಕ್ಕವನಿದ್ದಾಗ ನನ್ನನ್ನು ಬಾಲಮಂಗಳ , ಚಂದಮಾಮ , ಚಂಪಕ ಇತ್ಯಾದಿ, ಬೆಳೆಯುತ್ತ ಸುಧಾ, ತರಂಗ, ಕೊರವಂಜಿ ಇತ್ಯಾದಿ ಪತ್ರಿಕೆಗಳಿಗೆ ನನ್ನನ್ನು ಪರಿಚಯಿಸಿದ ನನ್ನ ಹಿರಿಯರಿಗೆ ಸದಾ ಚಿರಋಣಿ. ಇಲ್ಲವಾದಲ್ಲಿ ಅಂತಹ ಅದ್ಭುತ ಹವ್ಯಾಸದಿಂದ ವಂಚಿತನಾಗುತ್ತಿದ್ದೆನೋ ಏನೋ ?- ಹೀಗೆ ಕೇವಲ ಪರೀಕ್ಷೆಗಾಗಿ ಕನ್ನಡ ಭಾಷೆಯ ಪುಸ್ತಕಗಳನ್ನು ಓದಿ ಮುಗಿಸಿ ಹೇಗೋ ತಪ್ಪಿಸಿಕೊಂಡರೆ ಸಾಕಪ್ಪ ಎನ್ನುವ ಮನೋಭಾವ ಮಕ್ಕಳಲ್ಲಿ ಬೆಳೆಯುತ್ತಿರುವಾಗ ; 'ಕಾನೂರು ಹೆಗ್ಗಡತಿ', 'ಮೂಕಜ್ಜಿಯ ಕನಸುಗಳು', 'ಜುಗಾರಿ ಕ್ರಾಸ್', ಮುಂತಾದ ಪುಸ್ತಕಗಳನ್ನು ಓದಿ , ಡಿ ವಿ ಜಿ , ಭೈರಪ್ಪ, ಕುವೆಂಪುರಂತಹ ಲೇಖಕರ ಪರಿಚಯ ಮಾಡಿಕೊಳ್ಳಿರಪ್ಪ ಎಂದರೆ ಕೇಳಿಯಾರೇ ?

- ಸಾಪ್ತಾಹಿಕ ಪುರವಣಿಗಾಗಿ ಕಾಯುತ್ತ ಕುಳಿತಿಿದ್ದು ಆಸಕ್ತಿಯಿಂದ ಓದುತ್ತಿದ್ದ ಸಮಯ ಕನಸಿನಂತೆನಿಸುತ್ತದೆ.. ತಂತ್ರಜ್ಞಾನದ ಬೆಳವಣಿಗೆಯೊಂದಿಗೆ ಕನ್ನಡ ಪತ್ರಿಕೆಗಳು ಅಂತರ್ಜಾಲದಲ್ಲೇ ದೊರಕುತ್ತಿದ್ದರೂ ಓದುವ ಮನಸ್ಸಾಗಲಿ ವ್ಯವಧಾನವಾಗಲೀ ನಮ್ಮಲ್ಲಿಲ್ಲವೆನ್ನುವುದು ಶೋಚನೀಯ.

### ೩) ಭಾಷಾಭಿಮಾನ

- ಆಗಾಗ ಹೊಸ ಕನ್ನಡ ಪದಗಳನ್ನು ಕಲಿತು ಬಳಸಿ , ಖುಷಿ ಪಡುವುದು, ಯಾವುದೋ ಕನ್ನಡ ಪುಸ್ತಕವನ್ನು ಕೊಂಡು ಓದಿ ಸ್ನೇಹಿತರೊಡನೆ ಹಂಚಿಕೊಳ್ಳುವುದೋ , ಕನ್ನಡ ಕಾರ್ಯಕ್ರಮಗಳಿಗೆ ಭೇಟಿ ಕೊಡುವುದೋ ಇತ್ಯಾದಿ ಅಭಿಮಾನದ ಪಟ್ಟಿಯಲ್ಲಿ ಸೇರುತ್ತವೆ.

- ಕಲಿಯುವ ಮನಸ್ಸಿರುವ ಇತರ ಭಾಷಿಗರಿಗೆ ತಾಳ್ಮೆಯಿಂದ ಕನ್ನಡ ಕಲಿಸುವುದು. - ಎಲ್ಲಿಯಾದರೂ ಪ್ರವಾಸ ಹೋಗಬೇಕೆಂದಾಗ ಕರ್ನಾಟಕ ಬಿಟ್ಟು ಹೊರಗೆ ಹೋಗುವ ಆಲೋಚನೆ ಮಾಡುವ ಮೊದಲು, ನನ್ನ ರಾಜ್ಯದ ಅಂದದ ಪ್ರದೇಶಗಳನ್ನು ನಾನು ನೋಡಿದ್ದೀನ ? ಅಂತ ಕೇಳಿಕೊಂಡರೆ ನೀವು ಏನನ್ನು ಕಳೆದುಕೊಂಡಿದ್ದೀರಿ ಎಂಬುದು ನಿಮಗೆ ತಿಳಿಯುತ್ತದೆ.

ಮುಖ್ಯವಾಗಿ ಎಷ್ಟು ಸಾಧ್ಯವೋ ಅಷ್ಟು ಮಾತ್ರ ದಿನ ನಿತ್ಯದ ವ್ಯವಹಾರಗಳಲ್ಲಿ ಕನ್ನಡದ ಬಳಕೆ ಮನಸ್ತೂರ್ವಕವಾಗಿ ಮಾಡಿದರೆ ಅಷ್ಟೇ ಸಾಕು. ಪ್ರತಿಯೊಮ್ಮೆ ಬಾಯ್ಕಿರದು ಕನ್ನಡ ಮಾತಾಡುವಾಗ 'ಇದು ನನ್ನ ಭಾಷೆ' ಎಂಬ ಸ್ವಂತಿಕೆಯ ಭಾವನೆ ಮನಸ್ಸಿನಲ್ಲಿ ಮೂಡಿದರೆ ಅದೇ ಭಾಷಾಭಿಮಾನ.





# IEEE UVCE ASTRONOMY CLUB

IEEE UVCE Astronomy club started as an 'SIG' under 'IEEE UVCE' student chapter in the year 2011, It aims at keeping all the pupil of UVCE updated about the progress in the field of "Astronomy". Also we have organized seminars, discussions and talks on various current issues in Astronomy like talk on 'Higgs-Boson' etc.

We kick-started the events for the academic year 2011-12 starting with a seminar on Moon Hoax and Transit of Venus which had an pretty amazing turnout of curious students. In the academic year 2012-13 the astronomy club took up the seminar on Higgs-Boson which was a boom all over the world at that time. We also organized a program called 'Night Watch' by inviting the people from Bangalore Astronomical Society (BAS), where in people who attended learnt the basics of Modern optical Telescopes and also were enriched with basics of watching the sky. Also the session gave the attendees an opportunity to view the sky through a telescope.

Finally in that academic year, the astronomy club welcomed the Research Scholars from IISc Bangalore to give a talk on one of the most mysterious objects in the space, 'The Black Holes'. Also a brief introduction about the moons of planets of our solar system was given. In the present semester we successfully organized a science quiz which received quite a good response. Till our now effort to instill an interest and curiosity in students about astronomy has really paid off and the students also been quite supportive.

In all the seminars or talks held, the students have been quite interactive and led us the events into a good discussion session. We still have plans of carrying out various activities like star parties and taking people from our college to talks by various people working in astronomical field. The Astronomy Club of IEEE UVCE would feel very privileged and happy if any Alumni sort in their interest and help nurture the club further.

For more information about the club activities and its progress catch up with us at <https://www.facebook.com/groups/astro.uvce/>

**Prashanth S, 5<sup>th</sup> Sem Mech**  
**Chiranjeevi M, 3<sup>rd</sup> Sem Mech**



## CAMPUS SAYS !!

**This Edition, Sampada introduces you to our new column "Campus Say" ! Well Campus Says is column where teachers and students open up and speak about what is happening in the college and share their thoughts on the ongoing events/activities in the college. Hope you enjoy it!**



The Entrepreneurship Cell UVCE, after creating a buzz in the campus and spreading awareness about startup ecosystems, has now launched its registrations for the year 2014. Do join us and make this student community stronger!

**- Tejas N, 7<sup>th</sup> Sem ECE**

The morning of 29<sup>th</sup> November, drew a lot of people to the UVCE campus. It was the dawn of Fiesta 2013, a cultural extravaganza! The audience included teachers and students from different college apart from UVCE. The enthusiasm with which the students displayed their talents was over whelming. This would not have been possible without the meticulous efforts of the event organizers, volunteers, coordinators and the participants. We are grateful to SBM and BU for the sponsorships without which Fiesta would not have been such a great success. Being an organizer of Fiesta myself, I had a great time organizing the fest and had a lot of fun!



**-Sadhana P, 5<sup>th</sup> Sem ECE**



KAGADA '13, the annual paper presentation symposium, saw a relatively higher number of women participation. Both the PG and WIE section witnessed significantly large number of women presenters. It is indeed a very good sign for UVCE. The highlight of the day was the participation of 30 girl students from Government Girls High School, Ulsoor. They presented their models and posters in the poster making competition and also participated in the various events that were conducted for them by the college. The success and improvement of KAGADA is an indicative of positive growth and I'm extremely happy for it.

**Dr. P Deepa Shenoy, Branch Counselor, IEEE UVCE**

Inspiron 2013 was a pleasant surprise in that it was quite different from the previous versions. There were 22 events to choose from, catering to students with varied interests. The events ranged from the regular, like general quiz to the truly mind boggling, like 'Sherlock Holmes'. Taking part in these new events was a refreshing experience. As the organizer of one of the events, I was helped monumentally by the enthusiastic support of the volunteers. To sum up, in the four years that I have been here, this was the best Inspiron I have seen. Hearty congratulations to the organizing team.

**-Kaushik Dutt, 7th Sem ECE**



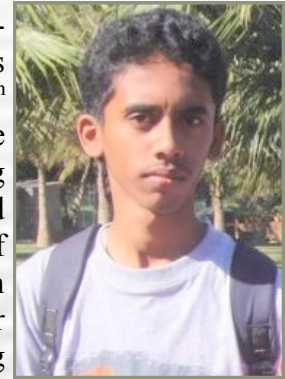




Fiesta was my first fest in UVCE and it was awesome! There were many fun events which kept me occupied throughout the day like pot breaking, treasure hunt and many more. It was hard to choose what to do and what not to. Best part was to be a part of the play. Thanks to the seniors to give 1st years the chance to perform and make our play successful. The real entertainment started in the evening when the dance show began. Everyone were on their feet and couldn't help themselves from enjoying. In short, it was something out of the world and I'm waiting for the next fest to happen soon!!

**-Nishad Rajmalwar, 1<sup>st</sup> Sem Mech**

Inspiron 13.0! Our first fest as UVCE-ians! Expectations were high and Inspiron did not fail to meet our expectations. The campaigning in other colleges was indeed an exhilarating experience! With our Inspiron volunteer shirts on and spirits on as an all-time sign, we greeted the much awaited day, 18<sup>th</sup> November. With over 30 breath-taking events, everyone had a hard time choosing from amongst them! The day went on like the wind, not showing any signs of slowing down! The events and the stalls kept us occupied and did not let the slightest hint of boredom occur. With lots of events, loads of fun and unlimited food, the two days of our tech fest was done! Inspiron 13.0 is over but it has changed our perspective towards technology altogether on multiple realms. On a personal level, it helped me appreciate engineering as a bridge between science and the common man. The fest has definitely left us all wanting more, aiming higher. Now all that is left is the wait for Inspiron 14.0!



**-Vishal K Bhatta, 1<sup>st</sup> Sem ECE**



As a participant of KAGADA '13, presenting the proposed work with the running clock uniquely & in an informative manner was a great challenge. Also realized that making the ideas happen is more important and complex while 'n' number of ideas were popping in my mind about the various work presented in the contest as a daemon process. To pen it out and to sum it up, i would say "if not Kagada - a forum of ideas, innovation & invention, how would i know what i do not know ??"

**-Shamini Dinakar, 7<sup>th</sup> Sem CSE**

Fiesta, my first cultural fest in UVCE turned out to be a grand success. It was a crazy day indeed! I had a blast. With the amazing events, fun was unlimited. At the end of the day, it had left me wanting more of it. I'm grateful to all the coordinators for bringing together such a good fest. Eagerly waiting for the next Fiesta!

**-Shraddha, 1<sup>st</sup> Sem ECE**



## KAGADA' 13

KAGADA '13, the National level Technical Paper Symposium, had its tenth annual student conference on November 8<sup>th</sup>, 2013. The inauguration was done by Dr.K V S Hari, Professor, Department of Electronics and Communication, IISC Bangalore and Vice- Chairman, IEEE Bangalore Section. Dr. K V S Hari gave a very motivating inaugural speech through which he highlighted the importance of Research and the reasons why it is important for one to take up research. Through his words he instilled in the audience and participants a zeal to take up research. During the inaugural function, the toppers of each department were honoured with a certificate and cash prize as token of appreciation of their hard work. As many as 40 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 BNMIT , BMSCE, and our college were selected. A paper from National Institute of Technology, Surathkal was also selected for the presentation. KAGADA '13 witnessed participation from many colleges across the state.

Simultaneously, the WIE and PG paper presentation, the STAR program, project presentation 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, Shamini D K and Sahana T about “Image Spam Detection” won the first prize in WIE section. STAR- Student Teacher Research program gave an opportunity to school children to explore their talent. 30 students from Government Girls’ High School, Ulsoor participated and presented their posters on the topic “Save the Earth”. They enthusiastically participated in the competitions held for them and had a great time.

The poster presentation also saw a large number of participants. The first prize was won by Prashanth S of UVCE who presented a poster on the topic “Utilizing Refrigerator Heat using Seeback Effect”. The Project Category also saw many innovative projects submitted by students. The ideas were indeed jaw-dropping and the winner of project category was given to Aamir of UVCE whose his project titled “Introduction to Conveyor Belt, below to Chassis of car to avoid scraping (due to low cloud clearance )“. The main paper presentation event (UG Category) was won by Madhu D, Satish Kumar A and Madhusudhan G of UVCE for their paper “Design and Development of Hand Function Assessment Device”. And the second prize was awarded to by Shreyas S, Varun D V, Suhas Shiddibhavi and Rakesh B R from BNMIT for their paper “Multilevel Image Enhancement with Graphical User Interface”. The PG paper presentation category witnessed an enthusiastic participation and the winner title was awarded to Sumithra V of UVCE for her paper “A Classifier for Detection of Malicious Web Pages based on Content Features”.

The valedictory function was highlighted by the presence of Mr. C P Ravikumar, Technical Director of Unviersity Relations, Texas Instruments, India 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.

**Chitra S Reddy,3rd sem ECE**





## THATVA—THEATRE GROUP

Thatva is reality. Thatva is also the theatre club of our college, UVCE. Maybe the whole point of calling a theatre club “reality” was to portray their enthusiasm of taking performing arts to the next level. Maybe it was to say that the truth would be illustrated in all their endeavors. But that is something only my seniors can answer! What I do know is that I am now a part of Thatva myself and I love being in the group. The latest venture of the group was a play called Ghoadies. It was a play which tried to depict the reality behind reality shows. When the seniors approached us juniors telling us about the group, we were all really excited to be a part of it. 1<sup>st</sup> came introduction, which was really fun. The seniors had put together a play for us freshers called “vichitra samsara”. There were also some other small competitions which happened later. Later, we were called for auditions. The actors were supposed to act out a few scenes of anything they were comfortable with. The people who wanted to write the script had to write a few scenes.



Once this was done, we sat down together and came up with a rough storyline. Meghashree then asked me to go about writing the script. The story was changed and the script was re-written till we were all satisfied with it. The actors practiced their parts to perfection and we were thorough with the play in 4 days. Then we fine tuned the dialogues with abhishek's (chakma's) help. Abhinav was really supportive and pointed out some things in the play which really needed fixing. He was a source of inspiration to all of us. And then came D-day! Fiesta! At around 1:00 pm we were told that we were due on stage at 1:30 pm. Also, at 1:00pm we noticed that one of the lead actors (vishal) went missing. We ran around the college and finally found him in the rock garden getting ready for hogathon. We found him in time and the play went on without any glitches. The response from the audience was pretty good too, considering this was the 1<sup>st</sup> time for almost everybody involved. All in all, the whole experience was extremely fulfilling. The whole thatva team hopes that we can bring forth another play or maybe a short movie for your viewing pleasures.

**Shravan Kashyap**  
1<sup>st</sup> Sem Mech

## HUMOUR @ UVCE



## STAR EVENT– MILLION \$\$ SMILES

It was a bright and sunny morning when a group of 31 girls accompanied by 3 teachers from BBMP Girls High School boarded the bus heading to UVCE. They were jittery with excitement, yet anxious. A transformation set in as they reached our campus.

The day started with a Career Guidance Session by our Placement Coordinator, Suraj Prasad. The girls were asked to introduce themselves and talk about their ambitions in life. It was a delight to know that their ambitions varied from being doctors, engineers, teachers to fashion designers and scientists. The power point presentation gave them a heads-up on the career options available after 10<sup>th</sup> and 12<sup>th</sup>. Not to mention, the session was very interactive.

This was followed by the Poster presentation competition judged by Samhitha. The students had been given the topic ‘Save Earth’ on which they had to make posters. The students had grouped themselves in twos and had prepared posters which they presented before the judge and the other students. They had come up with innovative ideas for a greener Earth. One of the girls presented a model that was reflective of her thoughts on how every one of us should join hands to save Earth. I was taken aback by the creativity and the effort they put in making the posters. We had each team coming up on the dias and presenting the poster. It was an immense pleasure to watch them present the posters with dexterity. They answered all the questions asked by the judge without flinching which left us dazed. The girls did give the judge a tough time in choosing the winners. The infectious enthusiasm and energy in the room did not miss inviting our principal, Dr. K R Venugopal. He interacted with the students and gave them a warm welcome. He was taken back to his good old days when he was told that the girls were from the same locality where he had spent his childhood days. The students also took part in the general quiz organized for them. The zeal and excitement with which they participated took us back to our school days.

Soon it was lunch time. The delicious lunch was followed by a group activity ‘Walk the Bridge’ where the students( grouped in threes) were given straws and ball pins using which they had to build a strong bridge. The girls cheered as each team set their bridge for testing with weights. It was over whelming to see such a healthy competition.

The girls also showcased their talents by dancing for a regional song. They also put up a skit on ‘Garbage menace’ which had previously fetched them an award. It was a delight to see such budding talents. The day was ending but there were no bounds to their enthusiasm. They were hoping they could stay for longer. After the prize distribution and photograph session, the girls boarded the bus with unhampered excitement. They danced and sang all the way back home.

It is remarkable how relationships blossom. It was less than a day and we had grown so fond of the girls. Their innocence, their smiles, their naive eyes had already got us emotional attached to them. The gratitude in their eyes gave us a sense of satisfaction. As we rejoiced for the day that was well spent, the students returned home with all smiles and happiness.

**Hamsalekha P , Diya B S,  
3<sup>rd</sup> Sem ECE**





# PICTURE STORY OF 87 BATCH REUNION

Murali A C was coming from the US on 23rd and an idea to go on a day trip was proposed on Facebook. Manjunath Prasad, MD of KSRTC joined the organizing team and the rest is history. 32 people from 1987 Mechanical batch arrived at 8.30 pm in front of KSRTC and got into Volvo to go to Shimsha for a day trip. Stopped in Kanakapura for breakfast wherein Byjuram's relatives and friends made sure we were looked after royally! Good lunch was organized at Shimsha inspection bungalow and after the visit to the station came back to Bangalore around 8 pm after having coffee at Kanakapura again. Ramesh Aravind called to say hello to everyone. We shared lots of jokes, old memories, and laughs! We had a Fantastic time!!!

- Sridhar Gowda



## ಸಂಪಾದಕೀಯದ ಮುಂದುವರೆದ ಭಾಗ

ಇಷ್ಟೆಲ್ಲಾ ಇದ್ದೂ ಅಲ್ಲಲ್ಲಿ ಅದ್ಭುತ ಕನ್ನಡದ ಒಳ್ಳೆಯ ಕೆಲಸಗಳು ನಡೆಯುತ್ತಿವೆ. ಸಾಫ್ಟ್‌ವೇರ್ ಕಂಪನಿಗಳಲ್ಲಿ ಕೂಡ ಕೆಲ ಸಮಾನ ಮನಸ್ಕರು ಕೂಡಿ ಪ್ರತಿವರ್ಷ ಮುದ್ದಾಗಿ ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವವನ್ನು ಆಚರಿಸುತ್ತಾರೆ. ಕೆಲ ಸಂಸ್ಥೆಗಳು 'ಶತಾವಧಾನ' ದಂತಹ ಕಾರ್ಯಕ್ರಮಗಳನ್ನು ಆಯೋಜಿಸುತ್ತಿವೆ. ಕಲಾಕ್ಷೇತ್ರ, ರಂಗಶಂಕರ ಗಳಲ್ಲಿ ಇವತ್ತಿಗೂ ಅದ್ಭುತ ಕನ್ನಡ ನಾಟಕಗಳು ನಡೆಯುತ್ತಿವೆ. ಆದರೆ ಅದಷ್ಟೇ ಸಾಲದು ಪ್ರತಿಯೊಬ್ಬರ ಮನದಲ್ಲಿ ಕನ್ನಡದ ಜ್ಯೋತಿ ಬೆಳಗಬೇಕೆಂಬುದೇ ನನ್ನ ಆಶಯ.

ತನ್ನ ಮಗು ಇಂಗ್ಲೀಷಿನಲ್ಲಿ ಮಾತನಾಡಬೇಕೆಂದು ಬಯಸುವ ತಾಯಿ

‘ ಸೋಮವಾರ ಸುಸ್ತು ನಂಗೆ ಶಾಲೆ ಬೇಡ ಹೋಗಮ್ಮ , ಮಂಗಳವಾರ ಮಂಡೆ ನೋವು ಮಗ್ಗಿ ಬೇಡ ಹೋಗಮ್ಮ

ಬುಧವಾರ ಬುದ್ಧಿ ಮಂಕು ಪಾರ ಬೇಡ ಹೋಗಮ್ಮ , ಗುರುವಾರ ಗೋಣು ನೋವು ಭಜನೆ ಬೇಡ ಹೋಗಮ್ಮ

ಶುಕ್ರವಾರ ಶಾಪ ಹಾಕೋ ಕೆಲಸ ಬೇಡ ಹೋಗಮ್ಮ , ಶನಿವಾರ ಶಾಂತಿ ಇಲ್ಲ ಏನು ಬೇಡ ಹೋಗಮ್ಮ

ಭಾನುವಾರ ಬರಲು ಹಿಗ್ಗು ಆಟ ಬೇಕೇ ಬೇಕಮ್ಮ’ ಎಂದು ಮುದ್ದಾಗಿ ಉಲಿದಾಗ ಅದನ್ನಪ್ಪಿ ಮುದ್ದಾಡುವಂತಾಗಲಿ ಎಂಬುದೊಂದು ಬಯಕೆ.

ಕವಿ ಕೆ. ಎಸ್. ನಿಸಾರ್ ಅಹ್ಮದ್ ಹೇಳುವಂತೆ

‘ಕನ್ನಡವೆಂದರೆ ಬರಿ ನುಡಿಯಲ್ಲ ಹಿರಿದಿದೆ ಅದರರ್ಥ

ಜಲವೆಂದರೆ ಕೇವಲ ನೀರಲ್ಲ ಅದು ಪಾವನ ತೀರ್ಥ ’

ಕೊನೆಯ ಮಾತು : ಸ್ಥೂಲವಾಗಿ ನೋಡಿದರೆ ಈ ಸ್ಥಿತಿ ಕೇವಲ ಕನ್ನಡದಷ್ಟೇ ಅಲ್ಲ ಪ್ರತಿ ಭಾರತೀಯ ಭಾಷೆಗೂ ಇದು ಅನ್ವಯಿಸುತ್ತದೆ.

ನಿಮ್ಮವನೇ

ಯೋಗೇಶ ಕೆ ಎಸ್

# INTERVIEW WITH RAMAMURALI

Hello Readers! Here's an excerpt from the interview of Rama Murali GK with our Sampada Team.

Mr. Rama Murali GK is a Scientist working at ISRO and is part of the team associated with Mangalyaan-Mars Orbiter Mission. He is part of the Alumni of our College who passed out from the 2009 ECE batch. He was a topper and a Gold Medalist from Bangalore University. Sampada Team is extremely happy and would like to convey our thankfulness to Mr. Rama Murali for taking time off his busy schedule to make way for our interview. Hope you enjoy the interview!

## ***Team SAMPADA - Can you briefly describe to our readers about the Mars Orbiter Mission?***

Mars Orbiter Mission is our first interplanetary mission to planet Mars with a spacecraft designed to orbit around Mars in an elliptical orbit of 366km X 80,000km. The mission is primarily a technological mission considering the critical mission operations and stringent requirements on navigation, propulsion, power, communication and other bus systems of the spacecraft. It is also configured to carry out observation of physical features of Mars and carry out limited study of Martian atmosphere with five payloads on-board.

### **Technological objectives:**

- Design and realisation of a Mars orbiter with a capability to survive and perform Earth bound manoeuvres, cruise phase of 300 days, Mars orbit insertion and capture, and on-orbit phase around Mars.
- Deep space communication, navigation, mission planning and management.
- Incorporate autonomous features to handle contingency situations

### **Scientific objectives:**

- Exploration of Mars surface features, morphology, mineralogy and Martian atmosphere by indigenous scientific instruments



## ***Team SAMPADA - Can you brief us about your involvement in the Mars Orbiter Mission?***

I was one of the Project Managers of Mars Orbiter Mission Spacecraft team. As part of Mars Orbiter Mission Spacecraft Project team, I was involved in all the systems engineering aspects of the project starting from the requirements identification, configuration finalization, trade-off studies, and configuration optimization to interfaces finalization among different bus systems and stringent schedule management

## ***Team SAMPADA - What are the challenges that you faced while working on the Mission and how did you overcome each challenge?***

Honestly, I did not face any challenge working within the team. Yes, as a team, we faced many challenges on our way to realize the mars orbiter mission. Some of them are:

Navigating the spacecraft, communicating to the deep space, generating the power with 30% sun intensity (compared to that at earth's orbit), re-firing the liquid engine after 300 days of travel are the major technical challenges of Mars Orbiter Mission.

Realizing the spacecraft in just 15 months as compared to a nominal realization time of 40-50 months, implementing the mars mission specific changes & requirements still ensuring the heritage of the systems, augmenting the ground segments with necessary ground stations were some of the major implementation challenges.

The propulsion system is effectively handled by thorough testing of liquid engines and providing heaters and redundancies in the configuration suitably. Solar Panels were also tested for the lower thermal environment and illuminations. Communication systems were redesigned to meet the navigation requirements and improve the link margins.

On board autonomy was built in the spacecraft to take care of contingencies wherein the spacecraft can detect the failures in the systems on board, isolate the failures and re-configure the spacecraft accordingly. This will largely be helpful in taking care of long communication delays, black-outs, white-outs etc.

New planning methodologies and techniques were adapted to meet the required stringent schedule, still ensuring all the tests being properly conducted.

Ground stations were also augmented with shipborne terminals and deep space network from NASA to meet the ground station requirements.



**Team SAMPADA - How has your journey from being an engineering student like us just a few years ago to now working as a scientist at ISRO been?**

Journey has been wonderful. I am enjoying every bit of it.

The things we study during engineering and the knowledge we gain during school days are very much helpful here at ISRO. Starting from the basic laws of physics, trajectory, ellipse, hyperbola mathematics, to the various communication elements, antennae, microwave communication, networking, network theorems, diode, transistor, FET principles, digital logics, op-amp principles, signals and systems, processors, controllers, programming languages, hardware descriptive languages, FPGAs, DSPs, ASICs....the list goes on.. Each of those learnt are being put to the best use and at the same time has been providing opportunities for improvement. So I would like to say that my engineering studies gave me the much needed impetus to be what I am today.



**Team SAMPADA - On behalf of all the inquisitive readers, what is the scope for Engineering students in this field?**

I feel the real development will happen only when there is coupled and hand-in-hand growth of science and technology. ISRO is an example for it. To achieve the mission objectives, it calls for a good coordination between engineering & science teams.

There are lot of opportunities for Engineers in ISRO. Engineers play a major role in designing, developing, testing and realizing the space segment-be it a spacecraft, landers or rovers, rockets, or the ground systems. And also ISRO is not just about space exploration but also about helping vast scores of people. Some examples include the recent remote sensing satellites have helped identify the incoming cyclones and other calamities saving many lives and enabling the government to take proper action. Also the in-house entertainment everybody enjoys at their homes is something that ISRO has enabled. ISRO provides for vast opportunities and keen students will have a great time learning and implementing each of those.

**Team SAMPADA - To end, What are your words of inspiration / advice for the students of UVCE?**

This is the best & right time in your life. Enjoy it! Make the best use of it.

Don't waste your time thinking about career! Instead start building your career with strong fundamentals. Get Inspired and Be an Inspiration!

## REQUEST TO READERS

We are very happy about the journey close to reaching a new milestone of 4 years !!! 47 editions so far and one more to go ... When we turn back and look at the editions and various articles we have covered till now, we are happy that history of UVCE is being documented through SAMPADA. Also UVCA Alumni fraternity which is spread across the globe are being updated about current happenings in UVCE through it. Hence we have called it "Your Window to UVCE".



For the next edition, we want to have your thoughts about the journey so far.. We are waiting to hear from you about how to continue . Consider this request from Team SAMPADA and write back to us @ [sampada@visionuvce.in](mailto:sampada@visionuvce.in)

ಸಂಪದ ತನ್ನ ನಾಲ್ಕು ವರ್ಷಗಳನ್ನು ಪೂರೈಸುವ ಸನಿಹದಲ್ಲಿದೆ.ಯುವಿಸಿಇ ಬಗ್ಗೆ ಹೇಳಿದಷ್ಟೂ ಮುಗಿಯದಿರುವ ವಿಷಯಗಳಿವೆ ಎಂಬುದು ನಮಗೆ ಅರಿವಾಗಿದೆ... ನಮ್ಮ ಈ ಪಯಣ ನಿಮಗೆ ಹೇಗೆ ಅನ್ನಿಸಿದೆ? ಇದನ್ನು ಇನ್ನಷ್ಟು ಉತ್ತಮಗೊಳಿಸುವುದು ಹೇಗೆ? ನಿಮ್ಮ ಅಭಿಪ್ರಾಯಗಳು, ಪ್ರತಿಕ್ರಿಯೆಗಳನ್ನು ನಮಗೆ ಮಿಂಚಂಚೆ ಮೂಲಕ ತಲುಪಿಸಿ..

## INSPIRON 13.0

Who said technical fests are not fun? INSPIRON 13.0, managed to prove it wrong in every sense of the word! INSPIRON 13.0, held on 18<sup>th</sup> and 19<sup>th</sup> of November 2013 was organized by Placement Office UVCE. Inspiron 13.0 was inaugurated by Sri Lakshmi Prasad K K, vice- president of SAP and Dr. Dinesh K Anvekar, Directorate of CMRIT Entrepreneurship Development.

Sri Lakshmi Prasad in his inaugural address highlighted the importance of solving the problems we face in our lives and also emphasized the need for industrial training to make India globally competitive.

Dr. Anvekar's vision engineers are the backbone of nation. He emphasized on the quest for knowledge and experimentation which form the pillars of engineering education.



The two day technical fest, INSPIRON 13.0 included many technical and managerial programs. The events were: *General Quiz*, for those in the race to showcase their intellectual capability; *Technopirates*, unearthing the lost treasures by solving technical puzzles; *Sherlock Holmes*, for those who were fond of solving murder mysteries; *Gadget Guru*, an event assessing the innovation and marketing skills of gadget geeks; *Adventure*, a test to the marketing skills needed to sell products; *RAP*, an event in search of

the best RJ; *Steal jobs*, an event bridging the gap between the corporate world and academia; *Junkyard Wars*, which involved developing new products out of the materials given. It was a test to the innovative skills and creativity; *MockStock*, a virtual online stock market for those who wanted to sharpen their marketing and investing skills; *Mechzibition*, an exhibition of various mechanical models and a game of fastest fingers on disassembling and assembling the machine; *Manual Robots*, to bring out one's caliber to build robust robots; *Autoquiz*, a questionnaire to spot the best auto buff and best bike fanatic; *Mechmind*, to churn out innovative designs; *Xbots* to build a robot and prove its caliber; *Robo Rally*, to hunt for best robo driver; *Electromania*, a circuit debugging competition; *Can u c it*, a search for the best programmer; *Photography*, to showcase the best captured picture in exploring the beauty of the college. And for all the die-hard gamers, there were games like DOTA, FIFA and NFS. There were many more events that brought the passionate technical wizards into the lime light.

On this occasion, the former placement officers Dr. Paul Vizhian and Dr. P Deepa Shenoy were honored for their contribution to the placements and training activities at UVCE. More than 2000 students participated in this two day grand inter-collegiate technical extravaganza. Students from UVCE, RVCE, MSRIT, RJIT, Ambedkar College, Vivekananda Degree College romped home with prizes. The fest would not have been such a grand success if not for the sponsors, SAP, Vista Mind, AutoDesk and TEQIP-II.



**Darshan Hegde, 1st sem Mech**

**SAMPADA TEAM: Chitra S Reddy (3rd Sem ECE), Hamsalekha P (3rd Sem ECE), Swaroop E (5th Sem ISE)  
Yogesha K S, Satish A G and SriHarsha D V (VisionUVCE Team)**