

Sampada

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Your Window to UVCE

[Www.VisionUVCE.in](http://www.VisionUVCE.in)

2013

CELEBRATING COMPLETION
OF 3 YEARS OF
SAMPADA IN THE YEAR 2013 !!!

INSIDE

TEAM UVCE WINNERS HUMOR at UVCE
NUKKAD TECH SCHOOL BOOKS WITH A CAUSE
PROJECT VISHISHT 2012-LIVING ON THE EDGE

*ALL the Very
Best For the
EXAM!!!*

Team VisionUVCE wishes for all the fraternity of UVCE, students and alumni, a very happy, bountiful year ahead in 2013. We just have completed 36 months of tapping your UVCE window and we are proud of this. Over the time, we have tried to identify and bring to the notice of alumni, the issues plaguing the campus and other challenges. Alumni have supported us in many ways and some have come on their own making valuable contributions. This has been the most accomplished achievement we can call ourselves to be part of.

Over the last few years, we have seen that not many students passing out of our campus have made headways into the research arena and there has been a constant complaint from the recruiters about the declining technical and aptitudinal abilities of the students. This may not be true with every case, but if it is being told over continuously, then it is something we have to worry about.



We need views and perspectives from everyone – students, faculty and the alumni. The basic idea here is to arrive at a position to identify the cause and suggest and remediate the issue as well. We would need alumni to spread the word about the research in India, the opportunities and the uses of pursuing the career in the research oriented domain. This could be done over a pep talk, workshops, offering students, projects and internships, evaluate their ideas, help them set their own shop in case they aim to be entrepreneurs. So most of it is the

outside support to enable them to reach higher.

Team VisionUVCE is coming up with Project Vishisht, an practical project building Initiative where the ideas presented by students are evaluated and few are supported from our end both with technical guidance and financial assistance. This would propel the students to think of ideas that can be implemented at the same time going ahead to implement it as well gaining necessary technical knowledge. The structure for the same will be announced soon on our website, www.visionuvce.in and also in college. We request alumni to sign up in this program to help the students to realize their goal and also support the campus.

We will in future, through SAMVAADA, conduct regular trainings to make sure the neo-technical innovations are known and also understand their basic engineering concepts well. Again, this will be in support with the vast alumni. This edition will take you through a route of UVCE in 2012 and present you those moments of 2012, which might look similar to ours and yours too. Also placed in this edition, some of the new initiatives we are taking such as books for VINIMAYA and magazine subscriptions.

We thank you all, for the continued support and having faith in us to deliver good things for UVCE. We'll make sure we live up to the expectations and serve UVCE with utmost dedication. Once again, we wish everyone a happy new year, 2013 and we hope that this year brings you what you need and fulfill your dreams.

**Thanks,
Team SAMPADA**

BANGALORE UNIVERISTY BIFURCATION

The state government has set the ball rolling to carve out a new university from Bangalore University (BU). It has nominated University Visvesvaraya College of Engineering (UVCE) principal K R Venugopal as special officer to oversee the setting up of the proposed Bangalore North University.



An official notification was issued on Monday evening to that effect by higher education undersecretary Prakashrao Kesarkar. As special officer, Venugopal's primary responsibility will be to monitor the entire process of the creation of the proposed university, which will be named D V Gundappa Jnanavahini University.

"My immediate responsibility is to demarcate and find out which colleges will fall under the proposed university. I will submit my report to the government in a month," Prof Venugopal told Express. He said he would step down from the post of principal and hand over the charge to distance education director B R Niranjana.

The creation of the new university is based on a report by the Karnataka State Higher Education Council, which suggested the move to ease the burden on the existing BU.

With its main campus in Hoskote, the new university will cover one taluk (North) of Bangalore Urban district, three taluks (Hoskote, Devanahalli and Doddaballapura) of Bangalore Rural district and Chikkaballapura and Kolar districts. The existing BU, with Jnanabharathi as its main campus, will cover Bangalore South, East and Anekal, along with Nelamangala taluk and Ramanagaram. "The new university will shift to Hoskote campus in five years, and will work out of Central College till then," Prof Venugopal added. About 320 colleges, out of 650 colleges, affiliated to BU, could fall under the new university from next year.

As often is the case, a special officer goes on to become the Vice-Chancellor. "I will strive towards a corruption-free and research-oriented university that can be a model for others in the state," he said.

(Source: New Indian Express)

More Newspaper articles:

[PRAJAVANI](#) ; [DECCAN CHRONICLE](#) ; [TIMES OF INDIA](#); [DECCAN HERALD](#)

TEAM UVCE WINNERS !!! A team from the department of mechanical engineering working on a automobile project, Project MACRO, won first prize at the The INVENTOR SUSTAINABLE DESIGN COMPETITION 2012 held recently at the Indian Institute of Technology (IIT) Madras in Chennai. Their idea about 3D sustainable digital design of a futuristic, innovative, foldable, transformable vehicle using Autodesk products was very well received and were rewarded prizes worth 1 lakh rupees. We are very proud of this team and our hearty congratulations are with them. We wish them all the success in their future endeavours and we hope that many such teams from UVCE go out and make it big.!



Inspiration from nature and hackneyed parking problem in the city have driven a team of mechanical engineering students to design a futuristic, transformable vehicle that can contract and retract.

University Visvesvaraya College of Engineering (UVCE) students Vaisakh R (5th Sem), Arjun Premchandran and C Keerthivash (7th Sem) have rendered Project Macro, which bagged the Sustainable Award at the recently-concluded national-level Autodesk Inventor Student Design Competition 2012, organized by the Indian Institute of Technology Madras and National Skill Development Corporation.

Mentored by Associate Professor, C K Umesh, the team derived the idea by bio-mimicking a caterpillar's neck that contracts and retracts. Vaisakh's team spent three months rendering the design of this sustainable car on Autodesk, a 3D design software, for manufacturing and engineering.



“In our rendering, there is an auxiliary motor under the seat of the car. When the motor runs, the back portion of the car moves forward just like a caterpillar's neck, reducing the total length of the car from 2 meters to 1.4 meters. We believe this will be beneficial during parking vehicles in a city like Bangalore,” Vaisakh says.

With this mechanism, the two rear tyres move closer to the front tyre with the help of a hydraulics system and the car's length reduces significantly.

The car, which runs on electric power, can accommodate one driver in the front and two passengers at the back, while in transit. The UVCE team competed with more than 1,000 teams from all across the country and won `50,000 cash prize along with state-of-the-art SpaceMouse Pro (3D mouse).

(Left to Right: Dr. C K Umesh, C Keerthivash, Arjun Premchandran, Vaisakh R receiving the first prize for inventor sustainable digital design award (AUTODESK) from Dr. Venugopal K R, Principal UVCE, Dr. Paul Vizhian, Dr. B M Rajaprakash)

[\(Source: New Indian Express\)](#)

BOOKS WITH A CAUSE Team VisionUVCE is happy to share couple of updates and new initiative from our end with fellow UVCE alumni. It is because of all your constant support that we are able to constantly drive new initiatives. We would like to thank everyone who have contributed in any manner to keep the momentum going !!!

We visited the "Bangalore Book Festival" that was organized in Palace Grounds, with few members of VINIMAYA Team. It was a insightful one, as we got to attend a Session from "JnanPeetha Awardee" ChandraShekhar Kambar along with famous literature laurels on Stage. We also purchased books from various Stalls for VINIMAYA. We also visited Peak Publishers stall (of UVCE Alumni, Sridhar Gowda). Various nspirational books, fictional (Kannada and English) were added to the VINIMAYA inventory. We are sure that the students will make better use of it.

The other initiative is subscribing magazines for Ladies Hostel (BULSH). We had a session "HARATE" with the students some time back, during which we realized the need for guidance and motivation among them. We are in the process of subscribing magazines like Competition Success Review, Readers Digest, Career360 and others after discussing and receiving the feedback from them. We are also thankful to the warden Prof. Annapoorna for supporting this initiative and permitting us to go ahead. We are hopeful that this will be helpful to the students and we will hear from them about it in our future editions.

The exact details of the expenditure and the VU Balance Sheet will be published soon, in our website and SAMPADA. As promised, we will keep it transparent.

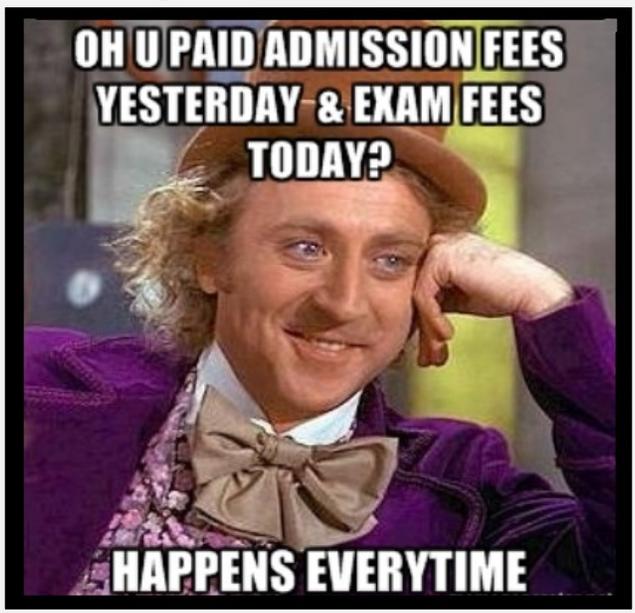
Team VisionUVCE

YOU MAD



Humour at UVCE : This is a witty group active online. They create funny sketches online that depicts the daily dose of fun at the campus and the attitude of students within the campus. They relate to the students through their sketches and one-liners. It is a creative group promoting the fun at UVCE.

Please do visit the Facebook Page to get your dose of UVCE fun. ([FB LINK](#))



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LE UVCE STUDENT'S REACTION FOR UPCOMING EXAMS.....



NUKKAD TECH SCHOOL Nukkad is a group of entrepreneurs who are creating waves at the android market with their new, location based services and discovery platform through an android app. It has been very successful and has found many users and critics appreciating it all over. The best part about them is that the Team NUKKAD comprises of passouts from UVCE, 2009 batch Computer Science Department. We are all proud of them and we expect them to create more path-breaking products and innovate. We had covered a story about Team NUKKAD in our SAMPADA-31. We are very happy that they have come forward to use SAMPADA as a platform to share some useful details. Thanks and All the best Team NUKKAD !!!

Team Nukkad is glad for the support provided by UVCE'ians. We are gaining good response week over week and getting featured in top online media space in India. "Nukkad" is now available in Google playstore. In one of the previous edition we had put a brief on Nukkad the app, going ahead we would like to share some gyan on cool technologies for tech savvy folks out here. Initially we will start with the technologies powering Nukkad and shall cover other technologies on gaining expertise. We would like to start with Mongo sessions and based on responses and zeal of the readers we shall take it forward in a constructive manner.

For most of the applications built in this world, database is an important part and requires at most attention. Typically when we say database, the picture that comes in front of our eyes is the **RDMS** tables, then comes the E-R diagrams, relations etc. Everything looks clean but there is a problem and that is "**Joins**". Now, what if I tell you that there is something which is neat and clean as an RDBMS which has no joins in it. Yes, something of that sort already exists in this world and that is MongoDB.

The world is moving towards **NoSQL** and MongoDB has been one of the biggest contributors in this direction. At this point of time this question might strike in our minds, "Why should we support NoSql?", well the reasons are many for it:

- ◆ Storage of data as in real world. You can easily link between your *business objects* and the database *collections* and tables.
- ◆ Most of the database inserts/updates/Query time is wasted in joins. Performance is the key in present day applications and joins are real killers. **You need not use joins in MongoDB**. Related objects are stored in embedded format which is like a predefined join.
- ◆ How many times have you changed your rdbms table structure and ended up fixing issues because of that. Its a painful task. In MongoDB that problem is gone. **Its schema free**. That actually means, each document (row) in a collection (table) can have different structures. So it is a real bonus if you are working for a start-up/college project/ proof of concept project, where things are *extremely agile*.
- ◆ **Its free**. And you need not worry about cost and complexities of deploying it either. There are many cloud providers like Amazon EC2, RedHat, *VmVare cloud foundry(free)*, etc. And there are many small guys as well.
- ◆ Good driver support. There are java (native and ORM), ruby, c++, python, perl, PHP drivers available already. I'm using Morphia which is a kind of Hibernate for MongoDB.
- ◆ Proven track record. Some successful companies like *FourSquare*, SourceForge, GitHub are using.
- ◆ Good user community and community support offered by **10gen** (company developing and support MongoDB).
- ◆ Finally, it is something new. We all love to enjoy learning new things, don't we?

Team Nukkad

[Youtube link](#) : [Yourstory link](#)

2012-LIVING ON THE EDGE 2012 was a year marking my onset into the world of adults on a more practical sense. It would be hard to describe in mere words the experiences that I have had during the past year, from pulling myself up from the ground, dusting my clothes and moving on, to giving my creative urge a push through my first venture into theatre and drama, 2012 had it all.... 2012 has to be special for the gigantic effort that I had to put in during my second semester exams in a bid to balance my aggregate grades. I finally managed a 9% jump in my percentage- though not a very big achievement but given my situation with the "horrendous" phase involving a close friend, not a mean feat either. But the grisly affair apart, I also managed quite a lot of non-academic achievements.

1. Right at the top features winning a cash award at IMPETUS-2012 in the event SUIT UP (mock placement). While it showed me the value of extra curricula yet it also showed me the vast territory of engineering that is still to be traversed. But more importantly, the feeling of being "recruited" is unparalleled.

2. Next and a close contender for the top spot would be my first attempt at drama and theatre. What started off as a mere comedy play during the fresher's party we had arranged for our juniors, turned out to be one of my biggest ventures of the year. Attempting something which had potential to be misinterpreted was a big challenge. But eventually me and my entire ensemble of eager, wide eyed, confident first years managed to pull it off with the support of certain people.

3. Third spot would go to managing the FRESHER'S PARTY for our juniors along with my classmates. It taught me the value of team work, will power and gave me the opportunity to try my hand at emceeing!

There were a whole lot more of bright spots - tinkering with the sensors, IC chips and PCB's during the LI2 robotics workshop, participating in the fests, etc. Of course I had to take the ride down the thorny roads as well.... at one stage I had problems of various ranges and types hogging me and weighing down on me... but as the adage goes- "all's well that ends well"!

Going into 2013, getting bogged down by exams is not exactly a pretty idea... but that's part of life. However, thinking of the New Year the first thing that obviously strikes our minds is "new year resolutions"!!! Deciding on these can be really nerve wracking. For the time being I have resolved on three things- finish the exams and take a long nap. Did I say three things? Oh I meant a long nap, a longer nap and the longest nap!!! But on a serious note... resolutions do give a more well laid out plan of action... but come on... let us instead take every situation in its stride, resolve to not give up and learn from our experiences in a bid to make 2013 the better year, more prosperous and more livelier!

Abhishek Chakma
3rd sem, ECE

(Collage designed by Swaroop, 3rd sem ISE)



Project Vishisht is a flagship idea from Team VisionUVCE aimed at inculcating the practical aspects of engineering and making sure the students are exposed to the hands-on experience of actually building a project from the stages of conception to demonstration. The thought of doing such a thing was conceived due to reasons, one was from our experience wherein, when we entered the professional lives, we felt we were learning the job from scratch though we had learnt the concepts at the campus, the actual behavior of the models and theories was something that we missed. We have seen various examples from other Engineering colleges and UVCE with such a big talent pool can come up with many such teams and Innovations.



Implementation of this idea has many benefits such as introducing the students to actual behaviour of the components, make them more technically aware, ready for professional transition, drive them towards research and innovation, encourage entrepreneurship and build the team personality within them. The process we plan to follow would be to ask the student teams to come up with their own idea, irrespective of the streams and we lay the boundary to the ideas that it should be either socially or environmentally helpful like coming up with a some helpful mechanism for our campus.

After the campus re-opens this year, we invite ideas with a time limit of 15 days and students will have to submit synopsis of the same to us. We will formulate a technical team comprising of lecturers and professionals from our campus to evaluate the synopsis and shortlist those which are feasible and which we can fund. Upon selection, the team will be given a time-limit of 2 months to implement the idea. The required technical guidance will be provided by the technical team and financial support will be given from our end.

The next part of the idea is to widely publicize the implementation on web (www.visionuvce.in, FB etc) and we will try to have it featured in print media as well. We will let know the wide alumni base we have about this and it will surely help in garnering more support for many teams at campus going forward. We will award the team with prizes for their work and we will also make sure it is implemented in campus if it is viable. The publicity ensures that UVCE's name figures in the media for this implementation and enhances the fame.

Now, we need active support from the alumni to support the student teams and the campus too. Please spread the word amongst your fellow alumni and students and ensure maximum participation is achieved. Also, we request alumni to sign up to provide technical assistance to the students in terms of implementation and also while buying components etc.

We will be publishing the announcement about this soon and once we get started with this, you will all hear regular updates about this from us. Hope this gets widespread support and hoping that we will receive many proposals. We are open for suggestions/ideas as well. The rough Timeframe and other details are as below:

Feb 10th, 2013: Exams are on and students can think about various ideas at the back of their head.

Feb 28th, 2013: Last date to submit Abstract/Synopsis of their Ideas

Apr 30th, 2013: Complete the Project

Team Size : 1- 3

Areas of Focus : College or Environment

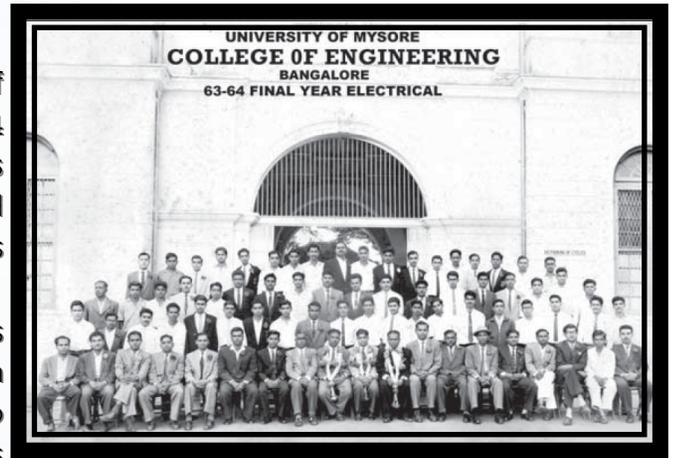
We will be posting couple of ideas on our website to give a hint about the expectation and what kind of projects can be completed within couple of months. We urge the students to look around, identify simple problems which they encounter in their day-to day life and have wondered about solutions for them. Well, this is your chance folks... Go for it !!!

Team VisionUVCE

Dear Sampada Group,

Thank you for sharing the 35th Edition of SAMPADA. It was nice of you sharing the Photo of 1963–64 Final year Electrical. The Photo was taken at the Class Social Farewell. Without the name tags at the bottom and notes, viewers/ readers of SAMPADA may not enjoy this group photo.

This group is very unique, as the country was passing through National crisis due to Chinese Aggression and Pakistan war in 1964 and the examination had to be preponed by three months & Final exam was conducted in the month of Jan 1964 and is the LAST batch of UCE to receive degree from MYSORE UNIVERSITY at Heritage Crawford Hall of "UNIVERSITY OF MYSORE" from The Chancellor Sri Jayachamarajendra Wodeyar & Prof/Dr Srimali at MYSORE.



Fifteen days Educational Tour to Northern India which was part of the curriculum those days was held after the exam. Mr A V & G N of Electrical Engg Dept accompanied us. Mr U Vishwanath Amin, (B Sc hailing from BENDUR , MANGALORE (Sitting First from right) was our class representative. Later he served in the State Electricity Board and retired in the year 1996 as Executive Engineer at Mangalore in 1996. You can find many from Dakshina Kannada & Coorg (Kodagu) in this group, as there were no other Engineering Colleges then. The State had only One Govt Engg College (ie UCE run by MYSORE UNIVERSITY) and the other was BMS at B'lore , BDT at DAVANAGERE & NIE at MYSORE private aided Engineering colleges. For Electrical & Mechanical Laboratory Classes & Exam students of NIE & BDT were visiting our college.

Many of our bright stars have left us early. Regret to inform you that Ms U V AMIN, G S BHAGVAN, P VIJAYA R NAIK [Rtd Chief Engineer (el) KPTCL], Dr A VIRUPAKSHIAH (Prof/HOD E&C-KREC/UVCE), T A CHENGAPPA, T V NARAYANA MURTHY, Tekur VENKATESHALU [s/o TEKUR SUBRAMANIAM, Ex M P of BELLARY] are not with us today.

You may find students who passed their First batch of ONE year PU of MYSORE University[1957–58] after 11 years of Matriculation joining the college for One year Pre-professional course in August 1958 & Four year degree called as REVISED SCHEME[1959–63]. There was no ordinance in PPC. From 1st to 4th(Final) there was only two ordinances, with 150 as sessional marks. Few of the privileged & smarter unlucky ones who neither had the benefit of ordinance in PPC or Benefit of Carry over or triple ordinance in the later years joined the Regular Integrated scheme of 1959–64, as they fell/ tripped in one of the hurdles in between.

All of us are now 70+ and are leading a retired life with bright memories of the college, lecturers, Library, Survey Camps, Project Tour, Educational Tour, ROYAL Life in the College Hostel, adjoining the ST Martha's Hospital. Two from Electrical (H G D & B C P) & Two from Mechanical (SH SHETTY , K V P RAGHAVAN) were selected for Indian Air Force Permanent Commission(Signals/Armament) in the interview held at No 2, AIR FORCE SELECTION CENTRE, MYSORE. Few like PRamdass, H Chandrashekar, HR Shetty went to US in search of career. Many joined the State Electricity Board & NGEF. Few among who are well known are Dr Chidananda Gowda K, Former Principal, SJCE, Vice Chancellor Kuvempu University, Dr S Madhava Kumar, Prof & HOD Engg College Chikkaballapur, Mr A M Devaiah- our University Long Jump Champion from COORG- well known Ajji-kuttira Family (HOD EEE Eng, KPT Polytechnic Mangalore) took up Teaching Technical Education as their career.

Ratanbabu, 1963 Batch

*We are very excited to receive the mail from the **Ratanbabu sir**. Not only he sent us the details about the photo, but also has conveyed the activities from VisionUVCE Team to his batchmates. He has sent across a Newsletter that was shared across their UVCE friends. We are happy to share the same with you which has details about the photo as well. You will find an attached pdf with the mail. Also, we will be hosting the same in our site as well. Thanks a lot for encouraging and guiding us Ratanbabu sir !!!*

SUGGESTIONS/FEEDBACK

Hi, I keep reading SAMPADA. I was a PG student between 1999-2001 in Civil Department. Nice to know so much information from students who studied in this great institution!

T.S.Ramesh, Geotechnical Engineer

Dear all, First of all very very congratulations for successful completion of three years. Every month when I see Sampada edition, there's always a freshness and the feeling it carries, will tell you its just amazing. I feel so proud when my brothers n sisters go through this magazine and all i could hear is a word of applause from them. Feels so proud of being a part of such a great institution which has produced some great n really greater and successful leaders in the society. As they say only the name's enough, recently I met one director of a Reputed company in a conference, as the conversation was on I told him that I passed out from UVCE..and he was like UVCE?? UVCE Bangalore???!..He just told me the importance of being the part of this institution and the value it carries since the ages is truly great. Just carry on the great work of Sampada and try to get some words from the alumni's in every edition so that it may add some weightage and will be inspirational for the young Engineers in the making. And finally I am proud of my decision which I took to join UVCE some years back, many many wishes for the all the initiatives guys.

Anup Joshi, Civil Engineering batch (2004-2008)

I have been following Sampada since it started. Basically to me Sampada/UVCE seems to me, to represent only the Electrical/Electronics/Computer Sciences Faculties of UVCE occupying the main UVCE Campus premises now. Negligible interaction with Mechanical Engineering Faculty across the road and almost Nil with Civil Engineering Faculty which moved to Jnana Bharti campus in 1973-74, or Department of Architecture as there is no input from the students /staff of these faculties in your magazine. Hope my suggestions are taken in a serious and positive note by your team and you come up with something to make your magazine more interesting for all concerned.

S.Hassan Arif, 1974 Civil Batch

3 years of SAMPADA and we are still breathing heavily..! Few sample responses we have received over the last year. Each one of them encourages us a lot and pushes us to try something new, do better... We understand the concerns and we are trying to meet the expectations. We will be putting in more efforts to make sure that your suggestions are incorporated...

Through the eyes of SAMPADA, we are trying to give the picture of growing UVCE, an active UVCE and it has been an initiative to bring in alumni to interact, debate and involve over the campus news and problems. We have found many of them and it has been a successful driver of the scholarship through alumni, ideation and many more projects.

And our alumni have been very generous these days and they seem to be happy with the SAMPADA even though we felt we missed the standards for couple of editions. As always, we expect you to straighten us and lead us in the right path with your inputs and feedback.

As always, do send in your articles, memoirs of UVCE to us so that it tickles same emotions in many UVCEians out there..! You can reach us at, sampada@visionuvce.in