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VisionUVCE
Rejig to Reform



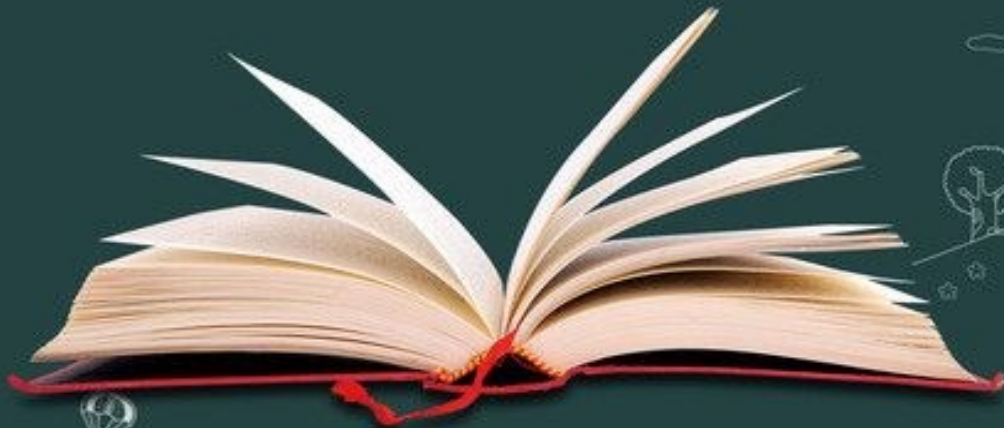
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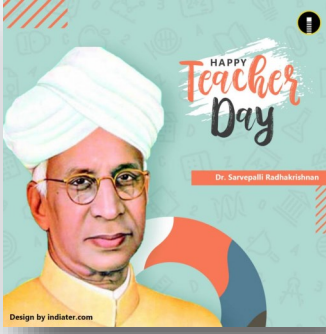
SAMPADA

Your window to UVCE

140TH
EDITION



EDITORIAL



As we inch closer towards the end of the year, September has its own share of delights in store for us. Along with International Literacy Day, Engineers Day and more, it brings us Teachers' Day, perhaps the most impactful of all days. Learning is an exponential curve, and the presence of a strong guide, a mentor, a teacher takes you a long way.

From our former presidents Dr. S. Radhakrishnan and Dr. Abdul Kalam, to that teacher who taught us how to count on our fingers on the first day of school, we all have teachers in our lives who make the darkest of the times bright.

It is not just a day when school kids sing “ಭಾಳ ಒಳ್ಳೇವು ನಮ್ ಮಿಸ್ಸು”. It is a day for us to be grateful towards a profession so selfless, a profession that serves all other professions. Especially in the past year and a half, teaching has been a task, with the sudden shift to online mode and reduction of attention span.

An excerpt from an article by Olivia Upham follows: “On this ‘World Teachers Day’, our celebrations must not only be a little bit louder, but a little bit deeper. I don’t have to remind you we aren’t living in normal times, but it also must be said that teaching, in this year specifically, is perhaps the least normal year the educational realm is experiencing. But, we’re lucky. Educators are simply some of the most resilient and dynamic professionals out there.”

When a person fails, it becomes his/her personal issue. The person learns how to face failure and eventually overcomes it. However, when a teacher fails, it is not just the failure of one person. It affects all of the teacher’s students, family members of these students, the chain goes on. The repercussions are much higher. This is why it is important for teachers to realize the magnitude of power they hold.

And hence, we dedicate this issue to all the teachers out there: teachers who taught us in school, teachers who guided us in the darkest of times and teachers who taught us life’s greatest lessons. Words cannot describe the importance of a teacher in one’s life. A good teacher could turn your life around for the better, define your career path, influence your social relationships and more. These are among the million reasons why it is important for everyone, irrespective of profession, to be grateful towards teachers.

Here's a short anecdote brimming with gratefulness: After winning the Nobel Prize in 1979, Dr. Abdus Salam, theoretical physicist, requested the Indian government to find Professor Anilendra Ganguly, who had taught him mathematics in the pre-partition era at the Sanatan Dharma College in Lahore.

He had to wait for two years to meet his teacher and finally came to India on 19 January 1981 to pay his respects to Prof. Ganguly who had shifted to Kolkata after independence. Prof. Ganguly was feeble and unable to even sit up and greet him when Dr Salam visited him at his house. Dr. Salam took his Nobel medal and said that ‘Sir, this medal is a result of your teaching and love of mathematics that you instilled in me.' He then put the medal around his teachers’ neck and said "This is your prize Sir. It is not mine." It was the ultimate tribute to a teacher that went far beyond the borders of the nations.

Like learning, teaching is eternal. It goes beyond the boundaries of a classroom, an institution, a country even. Be it academic subjects or emotional intelligence, we all have a lot to be grateful to our teachers for. On that note, we extend our heartfelt thanks to all the teachers out there!



- Team Sampada

IN CONVERSATION WITH PROF YELLA REDDY

Team Sampada: We have witnessed a couple of our senior alumni proudly claiming to be your students in a few of the meetings you attended. We are curious to know more about your journey at UVCE, first as a student and later as faculty.

Prof YellaReddy Sir: The BE days were as in a sailboat. Teaching was very good at UVCE, laboratory training was excellent. I attended lectures, took down notes, read these, failed once in I year, then came through with a good I class. Passing was the only thing. I would be a farmer after the degree. Mr K V Subbaraya, Mr K N Sheshappa Rao were the teachers of note for me.

I was a farmer for one year, thoroughly failed as that was the first of the two famine years in our area. Jobs were difficult to come by. I tried enrol myself in the army, did not qualify.

So I took the seat with a stipend, offered in UVCE to pursue ME. Mr BP Gopalakrisna was the Principal. Mr KV Gundu Rao was the professor and HoD of mechanical engineering. Dr K Lingaiah was a professor. Here was the live wire for me - Mr H Srinath - Reader in Mechanical Engineering. (Kindly note that I am using the titles very advisedly. *Any capable person with a few years of hard work to study a particular topic can obtain a doctorate degree. Those who cultivate to talk more and more about less and less can become professors. Only a gentleman qualifies as Mister.* - Mr K L Johnson, FRS, Professor of Engg, University of Cambridge.)

He kindled in me an interest in everything he taught (Materials, Mechanics Experimentation and such) and talked about. In his actions I learnt how one should stand upright and be counted.

Without this attitude I would not have obtained my ME degree. I had fun reading Theory of Elasticity and Experimental Mechanics taught by Mr HV Lakshminarayana.

After a brief stint in BDTCE, I came to UVCE as a lecturer (1971). I was given a horrid time teaching my first course, Materials Science to V sem mechanical students. I threw out a dozen or so students from my classes, granting them attendance and marking them on their performance in tests. There was an open book test too. Came through with no bitterness to any party. One student (I remember the name, he was a ranker, his handwriting was the worst I have seen.) told me that I was the only lecturer who read his answers carefully and completely. After that year I was mostly assigned PG classes by the HoD.

I was granted a commonwealth scholarship in 1975, (the application was made, thanks to the prompting of my friend Mr K Natarajan of EEE Dept) to pursue doctoral degree, I obtained the Ph.D from the University of Cambridge. Returning to UVCE, worked in the department for 6 years under very trying conditions. These were very testing years for the MECH dept - I was made the acting HoD due to the turbulence. All but three were my seniors but everyone cooperated. In 1984 I was invited for a one-year research fellowship at the University of Aberdeen. After my return, I was invited to join the Mechanical Engineering faculty in UMIST of The University of Manchester. Both these invitations were without applications. I left UVCE in July 1985.

TS: We would love to hear your experiences in the academic / teaching world outside UVCE.

PYR: Cambridge Ph.D was by research only. But I attended lectures (with UG students) on Mechanics, Materials and Mathematics in the engg and maths departments. A lecturer had the freedom to choose the topics and the content of the course with the approval of the division (for example Materials). The care and concern for the UG students was paramount.

Question papers were such that a student with a good knowledge of basics and fundamentals could easily pass the examinations. It took an expertise in their application to get the colours. The classification was I, IIA, IIB, III and a Pass. Marks or grades were not made public.

For the research student any needed facility provided. The library took no more than a week to fetch any reading material and the chief technician of the laboratory would get the facility made / acquired with the similar urgency.



The supervisor would discuss the study – at least once a week, advice and direct if needed by the student. But the student was free to conduct the research following his/her own nose. In UMIST learning (research) and introducing this in the courses at UG and PG levels was expected. Relevant current events – design or failure of a structure, disasters and accidents – and experiences got into discussions during lectures. This was possible with some degree of freedom to alter the course.

The examination system was nearly ideal. The course tutor set the exam Question paper (reviewed by the faculty within and two examiners from other universities) and marked the answer scripts. The whole Question paper was to be answered by a faculty in the department within the prescribed time. The student would have a choice, to answer 5 of 8 or 6 of 9 etc.

The Board of Examiners had all the faculty in the department and the external examiners. Under discussion were the average mark and the distribution in each subject, any anomalous performances by students and classifications (I, II and III) of the borderline candidates.

TS: How would you define the importance of the role of a TEACHER in the society?

PYR: A teacher should tutor the student in all aspects, not just the course content, should be a role model in all respects. The teachings should have the interest of the society, nation and nature at large. He / she should learn the past contributions from peers, the present problems with fellow teachers and students, provide / suggest solutions for the problems for future.

TS: What suggestions do you have for the current teaching fraternity or anyone (students) who is aspiring to be a teacher in the future?

PYR: A teacher should be an eternal learner. One should read the recent text books on the subject / topic. A good teacher should have read at least a dozen good books (every one that one can lay her/his hands on) on the subject (say materials) and at least half that number on the specific topic (say dislocations, composite materials, plastics and such). Peripheral reading is important. Current events related to the topic (failures of a structures, accidents / disasters due to such failures) should be brought into classrooms and discussed.

Students should be encouraged to read / observe / think widely and their knowledge and queries should be discussed. With intensive reading over the first decade, further reading required to update one's knowledge of published literature will become less and less. Start working, create analytical / numerical solutions to unsolved problems or explain experimental observations, design and conduct experiments to verify predictions, publish the findings.

Any submission by a student should be carefully studied by the teacher. Suggestions and comments should be made as needed. Assessment should be subjective and provable. In my view, no answer book deserves a 100% mark. I searched for a good start, a sentence, a phrase or even a word to award a mark to pass a student. Likewise, I looked for any error – a missing coma, a spelling mistake, overwriting, neatness – to cut a mark or half in a very well answered paper. This may be debatable but is fair.

One needs to be well versed with the current catalogues of good publishers and recommend good titles to be acquired for the library. Read any journal articles on the subject. Currently this is easier due to the publications and subscriptions by institutions made available to everyone.

Think. There are always doubts, gaps and holes that you can notice. There may be a different explanation possible to a theme or a different way of solving a problem. Identify these and fill them. This is research and the solutions / methods / thoughts will be the stuff for research papers you can publish.

THINK, PRODUCE THINKING ENGINEERS. Every question of a teacher must make the student to think and formulate the answer, not just to provide a text book answer learnt by rote. Create engineers who think about existing systems for the welfare of society / nature and raise questions. Answers that follow will move us forward.

UVCE IN MEDIA

UVCE to get IIT-like autonomy, bill in next legislative session

The state government has drafted a bill on giving autonomy to the University Visvesvaraya College of Engineering (UVCE) along the lines of an Indian Institute of Technology (IIT) and will place it in the upcoming session of the legislature for approval. The state government has decided to give administrative, academic and financial autonomy to the UVCE by accepting the recommendations of the Prof S Sadagopan committee report," Higher Education Minister C N Ashwath Narayan said. Founded in 1917, the UVCE is a premier state-run engineering college.

- Deccan Herald, 6th Sep, 2021

Students fret as Bangalore University decides to issue tearable marks cards

Bangalore University's decision to issue tearable marks cards for certain undergraduate courses has not gone down well with students who are worried that the authenticity of the documents may come under question during their job hunt. The university says it will issue tearable marks cards for third- and fourth-semester exams taken by students of the 2018-19 batch. The exams were held in late 2019 and mid-2020. The students are currently in the sixth semester whose exams are scheduled for October.

Sources in the know said the decision on issuing tearable marks cards was taken due to a delay in approving the tender for the non-tearable variant. The university authorities were reportedly unhappy with the quotation given by the lowest bidder for supplying non-tearable marks cards. But instead of calling fresh bids, they decided to issue tearable marks.

A source in the university's examinations section said that around 2.50 lakh tearable marks cards had already been procured. "The release of marks cards was already delayed and we would be answerable to students if it's delayed further. So we have procured tearable marks cards for third- and fourth-semester exams (taken by the 2018-19 batch)," the source said.

Vice-Chancellor Prof K R Venugopal said the decision was "a stopgap arrangement" because of the high quotations given by the bidders. According to him, three companies, including the government-run Mysore Sales International Limited (MSIL), which supplied the non-tearable marks cards in the past, took part in the tender.

MSIL offered to supply 10 lakh marks cards for Rs 43 apiece, as against Rs 41 it had quoted for providing one lakh marks cards. Another company quoted Rs 28. The third bidder was rejected on technical grounds. MSIL had previously quoted. Venugopal said that since the gap between two bidders was large, it was decided to call the tender afresh so that everyone can participate. "As this process would take time, we decided to issue provisional marks cards that cost not more than Rs 2-3 apiece," he told DH. . "I even offered to pay for these temporary marks cards from my own pocket."

University Grants Commission (UGC) guidelines stipulate uniformity in the type of marks cards. So BU authorities decided to issue only non-tearable marks cards, and collected Rs 160 from each student to provide the same. A tearable marks card costs not more than Rs 2. Students of the said batch fear that the tearable marks would become a problem when they apply for jobs because they were issued non-tearable marks for first and second semesters. If the university changes the specification of marks cards for other semesters, the authenticity of the marks cards will be questioned, they point out. "Who will believe us if we have two types of marks cards for the same course from the same university?" a student asked.

Members of the syndicate, the university's highest decision-making body, also raised concerns over the matter. One of them, Uday Kumar, said: "The tender for non-tearable marks cards was called long ago and the examination section forwarded the file with details of the lowest bidder, but the vice-chancellor is not processing it, which is causing all this confusion." Another member, Dr Sudhakar, said: "The previous syndicate meeting had decided to issue only non-tearable marks cards as per the UGC guidelines, but the vice-chancellor is playing with the future of students by issuing tearable marks cards."

- Deccan Herald, 3rd Sep, 2021

IN CONVERSATION WITH HOD, ARCHITECTURE

Team Sampada: We are thankful to the Head of the Department of Architecture for agreeing to share his thoughts with us. For our readers, could you introduce yourself?

Dr Pavan: I, Dr. Pedagadi Pavan Kumar, B. Arch., M.U.R.P., Ph.D., am the present chairman of the department of Architecture which was established in the year 1967 at UVCE city campus. This department has acted as the mother department in the field of architectural education in this part of the world, with its rich legacy.

Since its inception in 1967, I am the first doctorate in the core field of architecture. I am enhancing the legacy of the department with great honour and respect for my Seniors, Peers & Alumni at my heart.



TS: How do you describe the feeling of being a TEACHER, guiding and having an impact on so many young people's lives and future?

Dr Pavan: Being a teacher is a huge responsibility, as I always believe one teacher appointed by the university is responsible for his/ her constant influence on an average of 8 to 10 batches of upcoming students.

So, I make a conscious decision to keep myself up to date and be surrounded by the best academicians in the world. Due to the same attitude, I am blessed to have mentors of the highest calibre in the world, like Dr.Venugopal K.R.,Dr.Padmavathi, Dr.M.A Tomlan, Dr. Hess etc.

TS: Could you share a few initiatives and programmes undertaken by your Department in the recent past?

Dr Pavan: The Department of Architecture was only an undergraduate department until 2019. The first initiative I took the moment I became the Chairman in 2020 was to introduce 2 PG programs and get permission to guide 6 Ph.D. students activating department's Research centre, the first of its kind in Bangalore.

In recent years Department of Architecture has transformed from being just the UG department to also being the PG department and Ph.D. Research Centre.

TS: Being the Chairperson, what do you think is the need of the hour to make the students of UVCE more competitive? How can alumni join hands with this purpose?

Dr Pavan: As I said earlier, a teacher influences an upwards of 10 batches of students. But alumni influence is eternal.

Students judge or gauge their future career trajectory /competitiveness based on the performance of the alumni in the field. When they see the alumni doing great they strive to do much better.

I absolutely believe that the interaction of high performing alumni like yourself will enhance, nourish and tap the complete potential of UVCE students.

FACULTY SAYS

I am Dr Champa H N, Professor, Dept of Computer Science and Engineering, UVCE. I have been teaching Computer Science for the past 32 years and am in UVCE since 2008.

I take pride in being a teacher and am very happy with my profession. As a teacher, it is very important to make an impact on students' lives and also on their futures. In my entire teaching career, I have tried to influence at least few of my students to become teachers like me.

As a former Chairperson of the department (2018-19), I personally feel our students need much better infrastructure and exposure to the latest technology, for their calibre, to excel.



MARVEL @ UVCE



MARVEL is the acronym for Makerspace for Advanced Research and Vital Education Lab at UVCE. With the support of UVCE Graduates Association, MARVEL is being set up at the KR Circle campus. With the support of the college authorities, the idea is to make it the hub of research and innovation.

MARVEL aspires to spur passion, inspire action and redefine education. The goal of MARVEL is to instil in students a sense of innovation to develop ground breaking ideas. Motivating students to become exemplary in the field of technology is a priority.

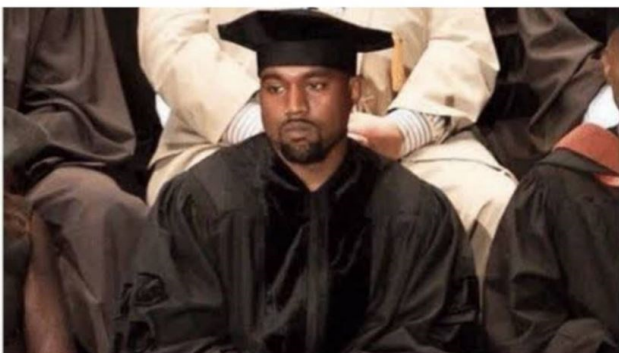
The idea behind MARVEL is to create brand UVCE along with promoting innovation and research culture within the institution. We are glad to be associated with the 63-64 Batch alumni group, who are interested to support financially in this initiative.

We are having a simple inauguration event at the college on Engineers Day due to Covid restrictions. We will however, have a full-fledged virtual kick-off event shortly and everyone will be invited for it. Also, we will be publishing the details about the various plans, structure and more in the next editions of Sampada.

If you are interested in teaching, guiding or mentoring students to work on projects, reach out to us. Any/all suggestion(s) about how we could improve MARVEL are welcome.

BUGS @ UVCE

**EEE students graduating
2 weeks after all other
branch graduate.**



@bugs_of_uvce

**Me watching my classmate who
hardly attended 20% of the
classes posting pictures saying
he gonna miss uvce**



@bugs_of_uvce

Post this, each of the teachers spoke a few words about the batch and dispensed some wisdom to everyone. Before the teachers were invited to speak, a small introduction of each one of them was read out to the participants. This again is not a small feat. We, Sampada Team, know how difficult it is to gather data. Especially in our college, where documentation from the olden days is very rare, it's a herculean task. We appreciate the organizers for this astounding work and hence, requested them to share it with us to be published in Sampada.

Each one of the faculty members spoke about different aspects – one of them remembered his teachers on the day, another faculty spoke about their college days and how special this batch was, yet another faculty spoke about how every student of his is like a guru – since they helped him to learn more. One of the faculty mentioned about how happy he was when the 73 Mechanical batch reached out to him and insisted on joining the online meet with the help of the family members. For us, from Sampada Team, the entire event was about getting profound knowledge and listening to people who have experienced their life to the fullest. We have requested for the recording of the session which we wish to upload to YouTube for the people who would like to listen to the teachers from 70s and 80s.

Towards the end of this, the current principal of UVCE, Dr. HN Ramesh, the current HoD of Mechanical Department, Dr. Kempaiah and current professor, Dr. CK Umesh spoke a few words and shared the updates from the campus. As a token of appreciation and gratitude, all the professors were presented with Meditation Shawls and flower bouquets.

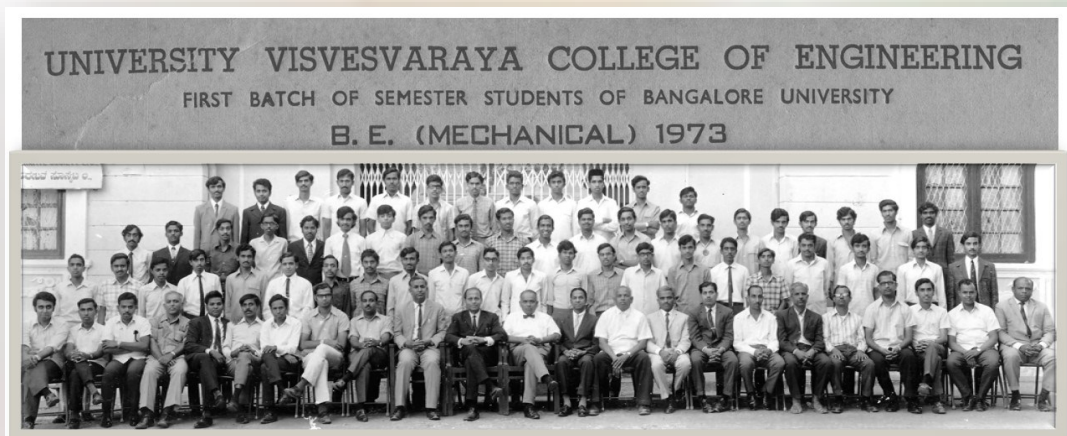
A poem recitation by Sri S Muralidhar lit up the mood. This was followed by expressing gratitude for all the teachers in the families of the batch of 1973. Smt. Usha Sundar recited a poem saluting all the teachers, and Sri Jagdish Sagar spoke about Dr S Radhakrishnan.

The ceremony was nearing its ending. Sri Nanjunda Rao did “Guruvandane” with a Sanskrit Shloka. A teaser on Colorado river rafting was shared by Sri Jagdish Sagar. Following this, the attendees interacted with each other for a few minutes. The ceremony came to a meaningful end with a vote of thanks by Sri Sundar Doraiswamy.

The entire event was a lesson for youngsters like us – how should one approach an idea, how to plan in advance and divide the work, how to assign tasks and play to their strengths, what is the amount of ground work needed to create something memorable, what kind of effort is needed to implement the schedule as planned, how to keep every participant engaged and much more. But the biggest lesson of all was undoubtedly - how to stay connected with your roots and not forget the teachers who contributed in different ways for your personal, professional growth.

Over the past year and a half, the inability to meet physically has resulted in an increased number of virtual meetings. Technology has come far, and has made it feasible to have international attendees in a virtual meeting. Evidently, this played a huge role in the Teachers' Day ceremony. The organizers were able to get in touch with their batch mates, gather information and host the virtual meeting successfully.

The organizers gave team Sampada the opportunity to speak a few words, and we were beyond elated. It was a heartwarming thing to watch and definitely left a mark on team Sampada.





Dr. H K Balakrishna

- UVCE & PSGIT alumnus and PhD from IIT-Chennai
- Known for Production Planning & Control
- Principal, Sir M V Institute of Technology
- Advisor to many institutions in India, Muscat



Dr. V K Basalalli

- Alumnus of REC, Roorkee and BVB College of Engineering, Hubli
- PhD from IIT Delhi
- 1973 batch just missed him !!



Dr. A C Bhaskara Naidu

- Alumnus of UVCE and PhD from IISc
- Known for Servo controls, Machine Design & Theory of Elasticity
- Founder and Retd. Principal of BMS Institute of Technology



Prof. B Divyananda

- An alumnus of UVCE
- Known for Engineering Drawing & Mechanical laboratory
- Taught in Malnad Engineering College
- Post retirement taught for 12 years in RVCE



Dr. K Ramakrishna

- An alumnus of Malnad College of Engineering Hassan
- Known for Mechanical Measurements and Instrumentation

Please Note: These are Basic profile details of each faculty member. We promise to gather more data in the coming days & publish them



Prof. Sathyanarayana Makam

- Known for Thermodynamics, Air conditioning & Refrigeration
- Faculty guide for South India study tour of 1973 batch
- Was Professor in RVCE, PESIT, BNMIT and Jain College



Dr. H N Shivashankar

- Alumnus of UVCE, BHU and PhD from IISc
- Fulbright Scholar, University of Southern California
- Known for Electrical Technology - DC and AC
- Retired as Principal UVCE
- Received "Teacher of the millennium" award



Prof. H Srinath

- Alumnus of UVCE and IIT - Mumbai
- Known for Welding Technology



Prof. B L Subramanya

- Known for Mechanical Drawing, Mechanical Laboratory
- Was Faculty Guide for 'North India Study Tour' of 1973 Batch
- Retired as Chief Engineer, Karnataka Electricity Board
- Founder member of Janatha Education Society which is running 17 Institutions, including Vivekananda College of Engineering



Dr. T Yella Reddy

- Alumnus of UVCE (BE,ME) and PhD from Cambridge
- Known for Instrumentation & Measurements
- Worked in Manchester University
- Served as Principal, Acharya Institute of Technology

SUSTAINABILITY AND STARTUPS - WEBINAR

A circular economy tackles global challenges including climate change, biodiversity loss, waste, and pollution with its regenerative approach. Circular economy is an integral part of the sustainability agenda and can contribute to several different Sustainable Development Goals (SDGs) set by the United Nations General Assembly.

Start-ups have played a significant role in achieving the UN SDGs and several people among UVCE Entrepreneurs have launched ventures to serve the purpose.

UVCE Entrepreneurs Group, which has been active since 2020, organize an online event to hear from UVCE entrepreneurs who have been active in this sector and held a discussion. The event was organized on Saturday, 4th September at 7.30 pm.

Bhakta Keshavachar spoke about his venture Chara Technologies and how they have been designing, building and deploying rare earth free, hyper efficient simple motors. They are collaborating with Bounce, a bike sharing start-up.

Ravikiran, Co-founder of Numocity Technologies, spoke about how their advanced actionable intelligence platform is enabling major industry players to demonstrate ROI on Electric mobility.

Rajesh Srinivas, Co-founder of iFabrik Technologies, informed us about the global over view of sustainability, market and how iFabrik is planning to help small and medium manufacturing firms to achieve sustainability. The discussion revolved around diversity, an SDG to be achieved and how we can contribute as a group.

Prof Prasanna T S, Professor UVCE, informed us how they have helped the state government in implementing solar power generation in rural areas. The event was moderated by Sridhara Aghalaya, Co-ordinator of UVCE Entrepreneurs group.

If you would like any other topic to be discussed in the future events or would like to be a speaker, do contact us and let us know!



UVCE GRADUATES ASSOCIATION
100/4, Bull Temple Road, Bangalore-19 | www.uvcega.org
Regn No: DRB2/SOR/18/2019-20

4th Sep, 2021
7:30 PM IST

UVCE ENTREPRENEURS GROUP
Startups and Sustainability

Speakers

- Bhakta Keshavachar**
CoFounder,
Chara Technologies
95 Batch
- Ravikiran Annaswamy**
CEO and CoFounder,
Numocity Technologies
95 Batch
- Rajesh Srinivas**
CoFounder,
iFabrik Technologies
2000 Batch

Moderator

- Sridhara Aghalaya**
1987 Batch

| www.uvcega.org | info@uvcega.org |

TEAM: Varsha Bhat(7th Sem), Niranjana, Sanjana, Harsha S, Meghashree G, Satish A G, Chitra S Reddy & SriHarsha D V (VisionUVCE Team)