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VisionUVCE
Rejiq to Reform

Sampada

Your window to UVCE

EDITION

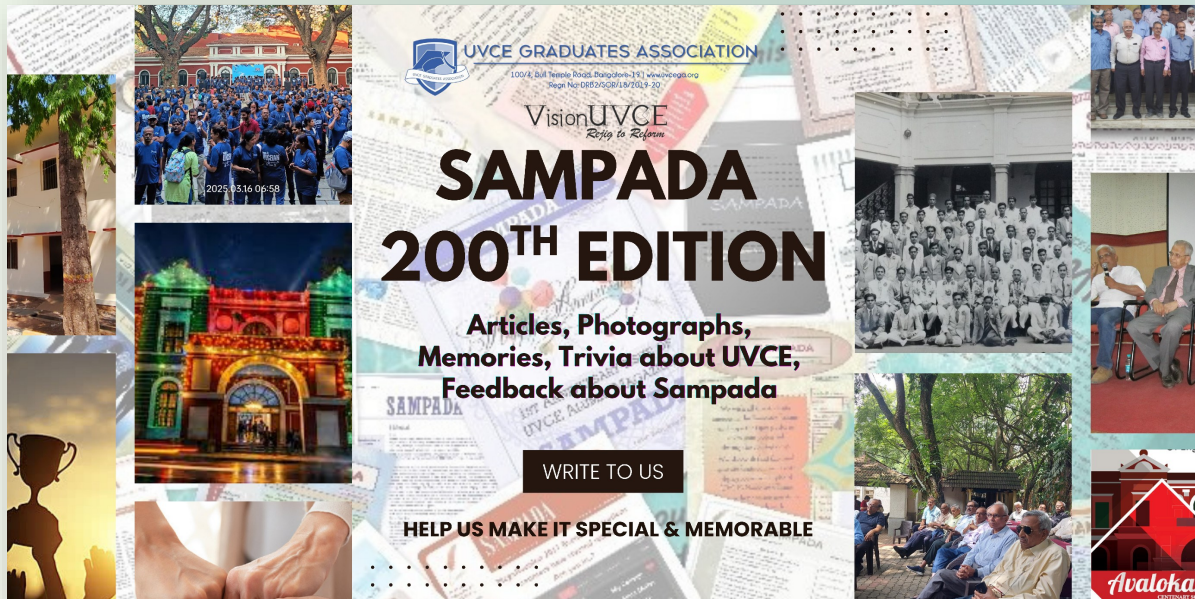
198

2 More Editions For 200
Join us to make it more Special



EDITORIAL

2 more editions to go and we are all super excited !! We all agree that the journey is more important than any milestone or the destination itself. It is true in the case of “Sampada” too. These 16 years, when we have sent each edition, it has kept on toes; every month has been a very interesting challenge while bringing us joy. It has given us the pleasure of keeping our alumni informed on what is going in campus as well as proud achievements of fellow UVCEians. It has become the connector between the alma-mater and UVCE alumni, faculty and students. It also has become the documentation of the happenings at UVCE over the period of time in the last one and half decade. We invite you to help us in making the 200th edition special by sharing memories, articles, photos and more.. You can also help by sponsoring ads in it, so that we can print this milestone edition !!



We are glad to inform you that we are having the 6th Annual General Body Meeting of UVCE Graduates Association and we are inviting all the members to join us for the AGM. The details are in the AGM Notice. Request all UVCEGA members to participate in order to know about the initiatives of the Association and work together to strengthen the alumni community. We also have the elections for the new Executive Committee and SGM planned on the day. All the details are on the website to know more.

Inside this edition of Sampada, we have covered a wide range of articles - the Diamond Jubilee Reunion of 1966 batch, Campus Says from the current students - representing the UVCEians across 60 years and still connecting them via Sampada. The college days are some of the best memories and the friendships forged here are for life. We all agree on that !!

A special article about the “BotWorks” team from UVCE MARVEL lab sharing their journey so far and learning from every experience can be found in the pages inside. The idea is to motivate and encourage more students to innovate and explore their interests and hone their skills by making use of the resources available. We have covered an article based on the LinkedIn post of the UVCE BoG Chairman’s LinkedIn Post about the visit to IIT Kharagpur with the UVCE Director. We also have couple of articles showcasing the achievements of UVCEians.

As always, the goal is to make you more closer to UVCE and encourage you to be part of the alumni community, not just for giving back to UVCE, but growing along with it. We all are aware of how UVCE played a vital role in our life and shaped it; how many UVCEians have achieved amazing feats in various fields and given back to the society - and we want to leverage that knowledge and experience to nurture the future talent. Hope to hear from you !!

- Team Sampada

UVCEGA 6TH ANNUAL GENERALBODY MEETING



UVCE GRADUATES ASSOCIATION

100/4, Bull Temple Road, Bangalore-19 | www.uvcega.org

Regn No: DRB2/SOR/18/2019-20

Notice for the General Meeting

The Sixth Annual General Body Meeting (AGM) of UVCE Graduates Association will be held on **Sunday, 19th July, 2026 at 10AM**

Venue:

BHive Premium, Church Street, Ashok Nagar, B'luru-01

Agenda

- Welcome
- Condolence for departed souls of alumni
- Reading of Meeting Notice
- Proceedings of Fifth AGM
- Report of the Working of the Association for the year 2025-26
- Audited Financial Report (SoA) for the year 2025-26
- Plan for the current year 2026-27
- Annual Budget for the year 2026-27
- Any other subject with the permission of the Chair
- Vote of Thanks

Dated: 25th June 2026

Secretary

Note:

- * General Meeting is open for UVCEGA Members only.
- * We will have the Membership Drive from 10:30 AM onwards at the same venue and new members can join the AGM immediately as observers.
- * If there is shortfall of Quorum, a 15-min break will be taken and the meeting will be resumed thereafter with the present attendees.
- * Members can send their queries before 10th July (10 days in advance) via email to info@uvcega.org
- * If you want to change your email-id/contact, let us know

Please RSVP Now - [Click Here](#) !! You can view the AGM Report-2025-26 [here & download it](#)

1966 BATCH DIAMOND JUBILEE REUNION

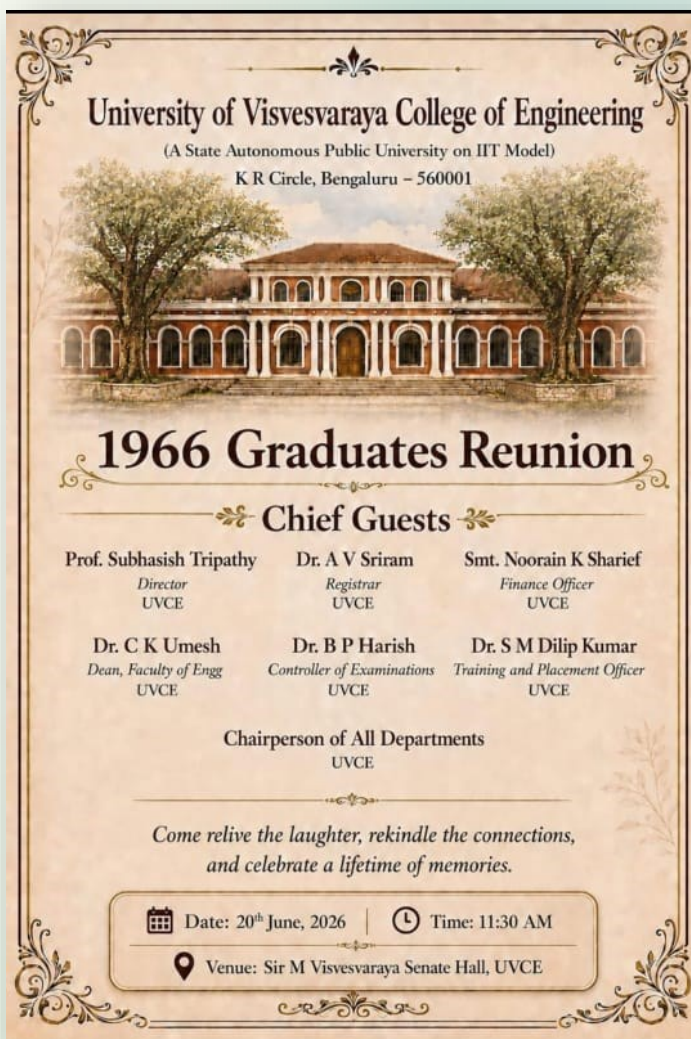
The Diamond Jubilee Reunion of the 1966 Batch was held on 20th June 2026 at the historic Senate Hall of UVCE, bringing together cherished classmates after six remarkable decades. Sixteen alumni from the Civil, Electrical, and Mechanical Engineering branches came together to relive old memories, reconnect with friends, and celebrate the lifelong bond we share with the alma mater.

The gathering was graced by the Director of UVCE, Prof. Subasish Tripathi, who not only extended his support by facilitating the event but also presided over the function. One of the most heartwarming moments of the reunion was when each alumnus shared a brief account of their professional journey after graduating from UVCE, reflecting on the diverse paths they had taken and the enduring influence of their years at the college. We all agreed that sixty years is a very long time, but we all are young at heart.

In his address, Prof. Tripathi provided an overview of the university's current academic initiatives and future plans, while encouraging the alumni to continue supporting UVCE in its journey towards greater excellence. The occasion was further enriched by the presence of the Registrar, members of the faculty, and retired professors, whose participation added a sense of nostalgia and continuity to the celebrations.

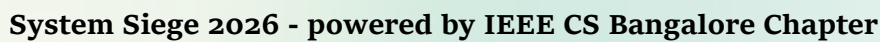
The reunion concluded with the presentation of mementos to those who contributed to making the event a memorable success. More than a formal gathering, the Diamond Jubilee Reunion stood as a beautiful reminder that while decades may pass, the friendships forged and the memories created at UVCE remain timeless.

- Dwarakanath Rangaswamy (Mechanical, 1966)



Innovation thrives where knowledge meets opportunity. Staying true to its mission of fostering technical excellence and empowering future innovators, IEEE UVCE CS x SIGHT organized a series of initiatives that encouraged students to explore emerging technologies and apply their ideas to real-world challenges. From gaining insights into the rapidly evolving world of Artificial Intelligence to showcasing innovative solutions through a competitive hackathon, these events reflected IEEE UVCE's commitment to nurturing curiosity, creativity, and problem-solving among aspiring engineers.

IEEE UVCE hosted an Introductory Webinar on Agentic AI on 27 June 2026, offering participants an opportunity to explore one of the fastest-growing domains in Artificial Intelligence. The session was delivered by Subramanya Navada K R, Software Engineer at JPMorganChase, who introduced the fundamentals of AI agents, their architecture, real-world applications, and the transformative impact on various industries. Participants also gained valuable insights into emerging AI technologies. The webinar served as a strong foundation for understanding advanced AI concepts and upcoming IEEE initiatives. For more details, visit [IEEE Bangalore Section](#).



Following a rigorous evaluation process, the Winner, First Runner-Up, and Second Runner-Up were announced, recognizing exceptional solutions that stood out for their innovation, feasibility, and technical excellence. The competition reflected the remarkable talent and dedication demonstrated by participants throughout the event.

Implementation Strategy, Impact & Future Scope

IMPACT

- Early disease detection
- Reduced hospital visits
- Faster clinical response
- Better healthcare in rural areas
- Lower healthcare costs

FUTURE SCOPE

- Predictive disease forecasting
- Digital twin of patient health
- Voice assistant in regional languages
- IoT-enabled smart hospitals
- Integration with national health platforms

Scalable • Fault Tolerant • Event Driven • Cost Optimized

Ansh Jain

Shamanth G M

Prarthana U

Srinidhi

Shrivats

Sakshi Chavan

7 others

Venkatesh Biradar

CAMPUS SAYS

If September was about walking into UVCE for the first time, June was about walking out of my first year, and somehow that felt like a bigger deal than I expected. The month kicked off with the one thing every engineering student dreads and lives for at the same time: end semester exams. My days stopped having names and just became "the day before Maths". Group study sessions that started as "let's revise together" usually ended in half syllabus completion and half existential crisis about how fast the semester had flown by. It wasn't pretty, but it was oddly comforting, knowing that everyone around you was just as tired, just as anxious, and still showing up for each other anyway.



Right in the middle of that chaos, I signed up for System Siege, organized by IEEE, which challenged me to think critically about solving real-world problems, approaching things in a perspective of designing a solution that could create meaningful impact. I also attended an IEEE webinar on Agentic AI by Subramanya Navada K R, a Software Engineer at JPMorganChase specializing in Full-Stack and Cloud-Native Development, who walked us through the fundamentals of Agentic AI, its practical applications, and emerging industry trends. As someone in AI and Data Science, hearing about systems that don't just respond but actually plan, reason, and act on their own felt like a preview of where the field is headed that mix of "I have so much to catch up on" and "I can't wait to."

But if I'm being honest, none of that, not the exams, not the competition, not the webinar, hit me as hard as the moment I realized my first year at UVCE was actually over. It's a strange feeling to put into words. There's relief, obviously the kind where you finally exhale after the last exam and just lie down and stare at the ceiling for a while. But there's also this quiet nostalgia that sneaks up on you when you walk past the orientation hall, or the rock garden where your friend group first formed, or the class where our seniors once pranked us. A year ago I was the nervous kid from October, unsure if I belonged here. Now I'm someone who knows exactly which part of rock garden has the least crowd, which professor's classes need front row attention, and which seniors to go to when you're stuck on an assignment at midnight. June wasn't just the end of an academic year. It was the month I stopped counting myself as "the new batch" and started feeling like I actually belong at UVCE. And honestly, I'm just excited to see what second year throws at me next.

- Trishti H V, 3rd sem, AI&DS

This past month has been a time of both personal and professional growth. I finished my semester-end exams and was fortunate that most of the questions came from the topics I had prepared. Since then, I have had some time to reflect on what I want to do next. Understanding that real progress comes from conscious and deliberate action, I decided to work on building myself professionally and personally.

As part of this, I created GitHub and LinkedIn accounts to build my professional presence. I also planned out a few projects for the coming months. One of these projects was a Microgrid Simulator, and I finished its first version. I am currently working on building its next iteration. Adopting a version-based development workflow was a new experience, and it taught me the importance of iterative improvement and proper documentation. Along with these, I have also started attending a Soft skills training and internship opportunity provided by TPO UVCE, in collaboration with E8o Spark, where I have been participating actively.

Beyond improving professionally, I also made an effort to grow personally. I have always had a tendency to overanalyse past conversations and interactions about trivial situations that didn't need the attention. So over the past month, I have been making a conscious effort to reduce this habit and adopt a simpler approach to everyday interactions.

Looking back, this month has laid the foundation for the goals I hope to achieve over the coming year, and has been a significant milestone in personal and personal development.

- T A Pramatta Surya, 3rd Sem B EEE



The first big break after two years of college was... complicated. I went into it dreaming of books, movies, meeting friends, and finally becoming one of those people who woke up early, exercised, journaled, and had life figured out. I also knew I'd probably fall off track at some point, but I trusted that I'd recover. So I started grinding — LeetCode, projects, learning every day. And for a while, it felt great. Then somewhere along the way, productivity stopped feeling exciting and started feeling compulsory. The books on my shelf remained unopened, my watchlist stayed untouched, and my friends slowly stopped asking me to come out because I always had 'work'. Even when I took breaks, I couldn't enjoy them without feeling guilty.



So I completely stepped away and decided to touch grass. I read for hours, watched films, met friends, and had conversations that had absolutely nothing to do with coding. The guilt lingered at first, but eventually it faded. And then, just when I thought I had swung too far in the other direction, I found myself returning to work again. This cycle repeated itself several times over the summer, and each time, getting back on track became a little easier. Recovering, I realised, for me was to feel less and less pressure to do this or that each time I did them, or to define my identity by either. And I think that was probably the best thing for me to learn going into my third year.

- Desam Sahithi Reddy, 5th Sem, CSE A

UVCE BOG CHAIRMAN POST - IIT KHARAGPUR VISIT

Institutions are not built by infrastructure alone; they are built by the quality of ideas they exchange and the partnerships they nurture. It was a privilege, as Chair of the Board of Governors, UVCE, to engage with the leadership of IIT Kharagpur in shaping a roadmap for a long-term strategic partnership that can redefine engineering education and research.

The discussions with Prof. Suman Chakraborty, Director, Indian Institute of Technology, Kharagpur, Prof. Sidharth Mukhopadhyay, Dean (Executive Education & Outreach), Prof. Anand Bhattacharya, Dean, and Prof. Subhasish Tripathy, Director, UVCE, were anchored around a shared vision of creating future-ready institutions through curriculum innovation, faculty development, hybrid outreach programmes, joint research, Centres of Excellence, entrepreneurship and industry co-creation.

Our visit to the Centre of Excellence in Advanced Manufacturing Technology (CoEAMT) further demonstrated how world-class research infrastructure, industry partnerships and translational innovation can create lasting academic impact. I am equally grateful for the valuable insights shared by fellow Board members. The larger aspiration is not merely to strengthen UVCE, but to build a scalable model of excellence that can benefit engineering institutions across Karnataka and beyond. ([Click here to view the post from Atul Kumar Tiwari](#))



BOTWORKS - THE EXPLORATORY JOURNEY

Engineering Is Never a Straight Path

Every successful machine is the result of countless iterations, failures, redesigns, and improvements. At BotWorks, an initiative und UVCE MARVEL & supported by UVCEGA, we believe the best way to learn engineering is by building, testing, competing, and continuously improving. Our mission is to bridge the gapbetween classroom knowledge and practical engineering by enabling students to design, manufacture, and compete with high-performance robotics systems.

Our RC Bot project began with a simple objective: to build a reliable tank-drive robot capable of competing in inter-collegiate robotics competitions. Although the goal appeared straightforward, the journey quickly evolved into an intensive learning experience that challenged our technical knowledge, problem-solving abilities, and teamwork.

The First Prototype: Where the Journey Began

Our initial design was constrained by the competition's 30 × 30 cm size limit. Designing a compact chassis while accommodating large wheels, motors, batteries, electronics, and transmission components proved far more difficult than anticipated. Multiple chassis iterations were required before achieving a practical layout that balanced structural strength, weight distribution, and accessibility.

Like many first prototypes, our early design exposed several shortcomings. We initially selected Electronic Speed Controllers (ESCs) that failed to deliver reliable performance during testing. Further investigation revealed that the controllers did not meet our system requirements, forcing us to replace them with higher-quality components better suited to our motors and competition demands.



Power distribution also presented unexpected challenges. Our original design incorporated a Power Distribution Board (PDB), but testing showed that it restricted current delivery to the motors, reducing overall performance. After extensive experimentation, we redesigned the power system to provide a more efficient and reliable power path.

Competitions: The Greatest Classroom

Our first competition became the turning point of the entire project. While our robot functioned in laboratory testing, the competition environment exposed weaknesses that could never have been discovered inside the workshop. Observing robots from other institutions helped us understand the importance of compact chassis design, efficient drivetrain configurations, proper wheel selection, and manufacturing precision.

Instead of viewing the competition as merely a contest, we treated it as an opportunity to learn. Every successful robot around us became a source of inspiration, and every failure of our own became valuable engineering data.

Solving One Challenge at a Time

As the project progressed, our biggest learning came from solving one engineering challenge after another. The drivetrain required several improvements, as timing belts initially slipped and reduced efficiency. By redesigning the belt and pulley system, improving alignment, optimizing tension, and adding stronger support mechanisms, we achieved much more reliable power transmission.

Wheel slippage was another major hurdle. Through multiple design iterations, we developed custom 3D-printed components, stronger metal couplers, and improved rubber grips to enhance traction and handling. We also refined the chassis by adopting more precise CAD models, laser-cut components, and stronger 3D-printed parts, resulting in better alignment and overall performance.

The team further optimized the tank-drive mechanism by reducing unnecessary weight through the use of passive support wheels where appropriate, improving both efficiency and maneuverability. Fine-tuning the radio transmitter for differential steering also involved extensive calibration and testing, giving us valuable hands-on experience with RC control systems and significantly improving the vehicle's responsiveness.

Learning Beyond the Workshop

Be it Malnad College, Presidency College, Acharya Institute, CIT & GSSS, Rajarajeswari college - every competition contributed unique lessons that shaped our development process. Some of our most valuable lessons came from seemingly simple experiences. During one competition, inadequate battery and transmitter checks caused the robot to stop just before the finish line, reinforcing the importance of thorough pre-competition inspections. Since then, systematic checks of batteries, electronics, and mechanical components have become a standard part of our preparation.



We also realized that finishing the robot before arriving at the competition was not always the best strategy. Observing the actual arena and making informed on-site adjustments often led to better performance. These experiences taught us that careful preparation, adaptability, and quick decision-making are just as important as technical design.

More Than Building a Robot

Although the RC Bot was the centerpiece of our project, the most valuable outcomes extended far beyond the machine itself.

Working under tight deadlines strengthened our teamwork, communication, leadership, and time-management skills. Brainstorming solutions to unexpected failures improved our analytical thinking and problem-solving abilities. Interacting with students from different colleges exposed us to new ideas, alternative engineering approaches, and innovative manufacturing techniques that broadened our technical perspective.

“Successful engineers are not those who avoid failure, but those who learn from every setback and use it to build better solutions.”

Looking Ahead

Every prototype built by BotWorks became a stepping stone for the next. The team continues to refine the RC Bot by improving its size, weight distribution, turning ability, drivetrain efficiency, and the reliability of both mechanical and electrical systems.

More importantly, BotWorks grows with every competition, every redesign, and every new student who joins the team. The project has been much more than building a competitive robot – it has been a journey through the complete engineering process: from concept and design to testing, failure, refinement, and performance.

The RC Bot may be the final product, but the real achievement lies in the skills, confidence, and engineering mindset developed along the way. At BotWorks, innovation is driven by curiosity, teamwork, the willingness to learn, and the determination to keep improving.



UVCEIANS IN LIMELIGHT

We're excited to know that Krishna A. G., Co-Founder & Head of Product of LightMetrics, has become part of Forbes Technology Council! He is an alumnus from 2001 batch. Krishna brings a wealth of experience in innovation, digital transformation, and technology leadership.

Forbes Technology Council is an invitation-only organization for world-class technology leaders and innovators. Forbes Technology Council members include founders, partners, and CEOs of technology companies, C-level technology executives such as CTOs and CIOs, and VPs of technology teams. These are respected technology leaders selected for the Council for their depth and diversity of experience. To qualify, you must be a senior-level technology executive and your company must generate at least \$1,000,000 USD in annual revenue, or have received \$1,000,000 USD in funding to date.



Bhakta Keshavachar, Founder & CEO of Chara Technologies met Piyush Goyal, Minister of Commerce and Industry recently after his showcase at Bharat Innovates 2026 at Nice, France.

This is what the Minister had to say on LinkedIn “It was a pleasure meeting Mr. Bhaktha Keshavachar, Founder & CEO of Bengaluru-based Chara Technologies, whom I had also recently interacted with at Bharat Innovates 2026 in Nice, France. Their work on developing rare-earth-magnet-free electric motors is an excellent example of how Indian innovators are creating sustainable and globally relevant solutions, while strengthening the vision of a self-reliant India.”

Bhakta, an alumnus of 1989 batch responded as follows on [LinkedIn post](#) :

“Six years ago we started a journey to make this world a little greener, reduce our critical mineral dependency on foreign sources and build a deep-tech product company from India. It's been a crazy journey with ups and downs on all three fronts: tech/product, team and capital! The geo-politics has changed significantly since we started, the kind of work we are doing is far more critical then we had envisioned.

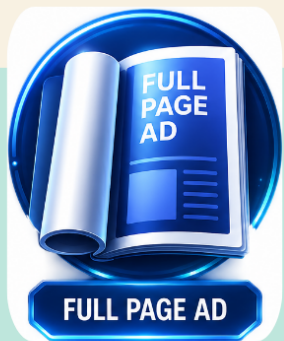
After 3 years of R&D, we have productized the tech and are now shipping to customers mostly in India and to a couple of customers in Europe, all manufactured in our own factory in our good old Peenya.

Piyush Goyal Thanks for the generous shout-out; much appreciated. We need that support now as we scale up our production and deployment. It was really nice meeting you: your quick grasp of numbers (AIR 2 in the CA exam !) and the probing questions were very relevant. Really liked how you understood the various facts we presented; you were genuinely curious, supportive and encouraging.

The vectors that determine our success have changed drastically over the past 12 months as we move from R&D to sales and deployment. Looking forward to your continued support to scale up our deployment both in and outside India. “

200 Sampada

CELEBRATE THE 200TH EDITION • SHOWCASE YOUR BRAND •
STRENGTHEN THE UVCE LEGACY

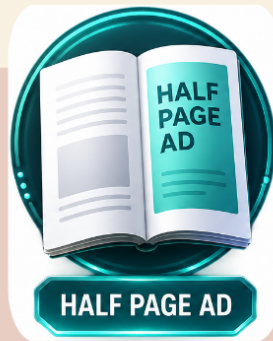


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Additional
Branding in next 3
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Placement

Strengthen Brand
Recall

Connect with the
UVCE Community

₹30000



Celebrate Your
UVCE Journey

Individual / Batch
Greetings

Be Part of a
Sustained Initiative

₹20000

ABOUT SAMPADA

Sampada is a monthly e-magazine sent to more than 8000+ alumni contacts around the globe, covering news about UVCE and memories of alumni and students. It has cemented its place as a documentation of the UVCE's past and present, while becoming a guide for bright and better future.



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MARVEL UPDATE CORNER

MARVEL dedicated June to planning events for the rest half of the year, whilst new initiations, collaborations, domain and other exciting progress were made.

Coordinator selection : A new batch of student coordinators were selected for probation for all the domains except IoT. These students will further go through a holistic process of a month long probation followed by an interview to pick the best candidates.

eYantra student batch : eYantra MOOC rolled out a selection form for a new set of student batch, designed with newly provided eYantra kits. The shortlisting of the candidates was completed, selected students get to work hands-on with hightech equipment provided by the prestigious IITB team.

AWS student builder group : MARVEL in collaboration with AWS initiated AWS SBG where a student-led community passionate about cloud computing and architecture get to explore AWS cloud technologies through hands-on projects, hackathons, workshops and peer learning with certification.

ESIC X MARVEL research project collaboration : Student Interest Group in Neurology (SIGN) of Employees State Insurance Corporation (ESIC) and MARVEL of UVCE initiated a 12 month long joint research initiative in developing a cost effective “Tri-modal gait analysis system, integrating wearable IMU’s, 2D pose estimation, and plantar pressure mapping to pioneer early detection and predictive modeling for Parkinson’s Disease”.

This proposed study aims to integrate clinical expertise with technological advancements in gait analysis, potentially incorporating sensor-based and imaging methodologies. We have got the approval for the funding from UVCEGA after presenting the draft project idea.

Guided Project Program (GPP) : MARVEL rolled out selection forms for GPP, a tailored program for students of UVCE to help students work on a project that has a real world impact, strong enough for technical resume and gain hands-on experience. It offers structured mentorship and guidance from coordinators of MARVEL.

Equipment support : A friendly reminder to fellow readers, Equipment support is a track maintained for students who are not a part of MARVEL to gain access to the lab’s equipment and components. Highly recommended for anyone who’s planning to work on mini, major or DIY projects.

VLSI the new domain : MARVEL carefully crafted the structure and syllabus for a new upcoming domain of VLSI designed to equip students with the skill of analog and digital electronics covering the basics from diodes to full chip integration making students industry ready and fit for current progressive demands.

BRIDGE Action plan : BRIDGE, a collaboration of ECell (Entrepreneurship club) and MARVEL, which was started to strengthen UVCE’s innovation and entrepreneurial ecosystem is all set to move into second gear. A new logo for BRIDGE has been made and finalized. Future plans have been cumulatively discussed and decided.



TEAM: Varsha Rao (6th sem AIML), Anupama Hegde, Adrian P Isaac, Varsha Bhat, Chitra S Reddy, Meghashree G, Satish A G & SriHarsha D V (VisionUVCE Team)