How you can contribute:

If you are an alumnus who is interested in teaching, guiding or mentoring students to work on projects pertaining to any of the above fields, reach out to us. Any/all suggestion(s) about how we could improve MARVEL are welcome. If you have projects you want to get done from students, or if you have equipment you don't need any more that you think can help MARVEL, we're listening!

Be a part of UVCE's great legacy!

UVCE GA

The Mission of UVCE Graduates Association is to reach and engage UVCE Graduates, faculty and students; to provide goodwill and support to achieve the institution's goals and spread the spirit of unity and loyalty among UVCE community.

www.uvcega.org
info@uvcega.org

Contact Us

📱 Vakesan M : +91 82771 65320
Satish A G : +91 9740 111552

✉️ campus@uvcega.org

📍 UVCE, Bangalore

UVCE GRADUATES ASSOCIATION

MARVEL

Makerspace for Advanced Research and Vital Education and Learning or simply, MARVEL at University Visvesvaraya College of Engineering is being set up at the KR Circle campus with support from the UVCE Graduates Association. Having a determined aim in mind, we hope to turn UVCE into a hub of research and innovation through MARVEL, with encouragement from the college.

MARVEL is poised to spur genuine passion in every learner, inspire decisive action, and redefine conventional education. The goal of MARVEL is to set the ball rolling, perpetuate a sense of innovation in students and help them eventually birth ground-breaking ideas that will change the world. Motivating students to become exemplary in the field of technology is of MARVEL's utmost priority.

The objective of MARVEL is to create a platform for students to explore niche areas outside academics, understand real world problems, innovate and find solutions.

WHY MARVEL?

MARVEL is enthused by all the components that compose a functional multi-faceted project; a solid concept and structured approach, building the prototype, and working towards efficiency. With 5 different domains of focus and several different projects under each domain, MARVEL is all fueled up and ready for take-off.

University Visvesvaraya College of Engineering (UVCE) was established in 1917 by Bharat Ratna Sir M Visvesvaraya and is the fifth Engineering college in India and the first in Karnataka. An institution like UVCE with 100 years of legacy has contributed immensely to the society in various ways. The entire student fraternity of UVCE contributes to its immense popularity. Students of UVCE manage various special interest groups that foster technical and creative skill sets whilst also engaging in the academics, campus placements and various competitions. This in turn makes the establishment of MARVEL in UVCE all the more meaningful.

Notable Alumni:

Dr M R Srinivasan: 1950 Mech

Prof Roddam Narasimha: 1953 Mech

Lt Gen V J Sundaram: 1957 Mech

Prof B T Lakshman: 1959 Civ

Dr M S Ramkumar: 1959 Mech

Dr V K Aatre: 1961 EEE

Dr N Sheshagiri: 1961 EEE

Dr T S Prahlad: 1961 Mech

Dr Sam Sampath: 1961 Mech

Dr R Natarajan: 1961 Mech

Dr S Ramegowda: 1961 Mech

WgCmdr H G Dattatreya: 1963 EEE

Dr Chidananda Gowda: 1964 EEE

Dr S SIyengar: 1968 Mech

Dr Prahlada R: 1969 Mech

Mano Murthy: 1974 EEE

Prakash Belawadi: 1983 Mech

Shathavadhani Ganesh: 1984 ECE

Kumar Naik IAS: 1985 Civ

Manjunath Prasad IAS: 1987 Mech

Ramesh Aravind: 1987 Mech

Manjunath J IAS: 1992 ECE

Aravind Bhat: 2001 Mech

GOALS

• Encourage students to learn on the current trending topics apart from the regular academics and work on projects/ experiments to understand them in a practical manner.

• Initiate collaboration among students of different branches, but with similar interests.

• Build an ecosystem in the college where the next generation of innovators can be moulded.

• Develop a plan to make MARVEL sustainable for a long-time with limited resources. Build an independent structure, document every outcome and create a brand for showcasing the talent.

• With the help of alumni and faculty, work on industry and academia collaboration for setting up specific R&D hubs as part of MARVEL.

PROCESS

• A structured syllabus has been formulated for each of the domains, and students can look into it before signing up for MARVEL.

• Registrations will be open for students every 6 months once and they will be admitted based on certain criteria.

• Batches will be created and Schedule will be designed for the MARVEL access for the registered students.

DOMAINS

Internet of Things
Testing networking with small wireless sensor devices and heterogenous communicating objects.

AI/ML/Data Analytics
Hub for projects & topics within AI & ML spanning image recognition & natural language processing.

Renewable Energy and Electrical Vehicles
Supporting a wide array of EV integration and technology sciences.

Cloud Computing/ Cyber Security
Resource allocation in clouds, cloud security, Big data analytics, cloud storage.

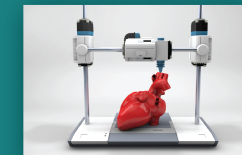### Designing/Modelling/Prototyping
Bridging the gap between digital & physical world to translate ideas from CAD data to real-life prototype.

We intend to encompass the basic concepts within each of the domain, but that does not restrict us in any way. We will be extending and branching out into more domains as we move forward
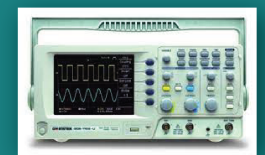
EQUIPMENT

Arduino

3D Printer

Digital Ray Oscilloscope

Raspberry Pi

Step up motor

MatLab

Power BI

Autodesk

VMware

Toolkit