

Institutional Strategic/Perspective Plan for 2016-17

1. NBA Accreditation for Four Programmes:

IQAC has decided to apply for NBA Accreditation for four UG Programmes: Aeronautical Engineering, Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering. IQAC has taken initiative to submit its Self-Assessment Report (SAR) to NBA and three programmes are accredited for three years (2017-18 to 2019-20) based on the NBA expert team inspection.

2. Tinkering Lab:

At MVJ College of Engineering, Bangalore, students are encouraged to innovate, and discover the joy of creation. This spirit of enquiry and innovation is fostered through the establishment of the Tinkering Lab. Tinkering Lab is a dedicated space in the College campus, for exploring new ideas and experiencing the process of creation of technology from ideation to prototyping. The Lab provides basic machinery, materials, tools and instruments for students to craft their imagination. Students across all departments of the college can access the lab at their convenience.

3. Virtual Lab:

MVJCE is transforming the face of higher education and research, through a revolutionary new educational tool – Virtual Labs. We are proud to declare that MVJCE has been shortlisted for the Nodal Centre Program of VALUE, for establishing the Virtual lab. The VALUE Initiative is a project dedicated to developing these Virtual Labs in various science and engineering disciplines. In the first phase, Virtual Labs have been established in the fields of Electrical (Electric Circuits) and Mechanical Sciences (Solar Energy). Virtual Labs are media-rich online-learning environments, which allow users to conduct physical laboratory experiments in a

computer-simulated environment. This innovative new educational technique is enabling experimentation beyond the boundaries of traditional laboratories.

4. Unmanned Aerial Vehicle (UAV) Lab:

The Unmanned Aerial Vehicle (UAV) Lab helps students learn and understand the design and fabrication of Unmanned Aerial Vehicles. It encompasses the application of Aerodynamics and stability in a real aircraft model and helps the students get a hands-on understanding of Aeronautical Engineering. The Lab conducts workshops for helping the students in fabricating model aircraft. Students have created many models of different types, like Quadcopters, Hex copters and fixed-wing aircraft.

5. Astronomy Club:

The Astronomy Club was inaugurated on 8th September 2015, by Dr P Sri Kumar, Director, Indian Institute of Astrophysics, Bangalore. The students visit Planetarium and Observatory to observe terrestrial and celestial events. Students are also trained to make Telescopes. The students are developing a Radio telescope in MVJCE. MVJCE Institutional Repository (MVJCE-IR) All the project reports of the final year undergraduate and post-graduate students are uploaded to the MVJCE digital library repository, MVJCE Institutional Repository (MVJCEIR). Uploading the project reports also helps students to locate their reports easily, when required.

6. New Course B.E. in Aerospace

IQAC has taken initiative to start new courses in emerging areas and proposed to start UG courses in Aerospace Engineering from the next academic year 2017-18.