



**M.V.J. COLLEGE OF ENGINEERING, BANGALORE – 560 067**

**STRATEGIC PLAN FOR THE NEXT SIX YEARS**

**16.07.2012**

**STRATEGY – 1:**

M.V.J. College of Engineering should get permanent affiliation from the Affiliating University – Visvesvaraya Technological University, Belagavi for all eligible programmes offered in the college.

**STRATEGY – 2:**

All Departments should apply to NBA for Accreditation.

**STRATEGY – 3:**

M.V.J. College of Engineering should get Accreditation from NAAC.

**STRATEGY – 4:**

The college intends to strengthen the existing facilities in terms of campus facility and support system. A dedicated space and facilities for special labs / clubs should be created to motivate students to do innovative projects and enhance their technical skill. The constant improvement in the development of campus facility / support system will benefit the student community in the following areas:

- Develop intuition and deepen understanding of concepts.
- Apply concepts learned in class to new situations.
- Experience basic phenomena.
- Develop critical, quantitative thinking.
- Develop experimental and data analysis skills.

- Learn to use scientific apparatus.
- Learn to estimate statistical errors and recognize systematic errors.
- Develop reporting skills (written and oral).
- Practice collaborative problem solving.
- Exercise curiosity and creativity by designing a procedure to test a hypothesis.
- Better appreciate the role of experimentation in science.

#### **STRATEGY – 5:**

The strong phases of teaching methodologies followed in MVJCE is to be enhanced in various aspects. Possible mechanisms to be planned for the augmentation of effective Teaching – Learning Process. Implementation of the strategy will benefit the students in the following areas:

- Design Thinking
- Self-Learning

#### **STRATEGY – 6:**

To enhance the research and development through the existing research centres and other special labs. Departments should obtain more number of projects from the funding agencies like VGST, AICTE, DRDO, ISRO, DST etc. Research Council can be formulated to strengthen the research activity.

#### **STRATEGY – 7:**

MVJCE strongly believes the fruitfulness of Industry – Institute Interaction. In this line, the main objective of the Industry – Institute Interaction is to reduce the gap between industry expectations (practice) and academic offerings (theory) by direct involvement of industry to attain a symbiosis.

#### **STRATEGY – 8:**

M.V.J. College of Engineering is marching ahead in the introduction of new courses. The Institution is being built strongly in terms of the introduction of new courses. New courses can be introduced in the forthcoming years.

#### **STRATEGY – 9:**

In order to govern the academic and administrative activities in an efficient mode, ERP should be implemented in the college campus. Thereby, the management of student / staff related activities can be done effectively.

#### **STRATEGY – 10:**

A center of excellence (COE) is a team, a shared facility or an entity that provides leadership, best practices, research, support and/or training for a focus area. MVJCE should establish Centre of Excellence in thrust areas.

#### **STRATEGY – 11**

M.V.J. College of Engineering plans to facilitate the students to become entrepreneurs. In this regard, action should be initiated to develop a cell for entrepreneurship development activities.

#### **STRATEGY – 12:**

M.V.J. College of Engineering plans to facilitate the students for developing their skills in all aspects. Personality Development Program (PDP) should be provided to all the students, thereby the students can develop their skills which will help them:

- to grab the better job opportunities
- to accommodate well for their higher studies
- to become entrepreneurs

In this regard, the placement cell shall conduct **Personality Development Program (PDP)** for the students. The PDP should be conducted for all the students; from the first year to fourth year by professionals. Students can be divided into batches and all the batches should be trained in

various personality development programs like teamwork, communication skills, vocabulary and attitude beside technical knowledge.

### **STRATEGY – 13**

Skill training shall be provided to students in order to promote IT literacy through open software. A tie up of MVJCE with IIT Bombay can be initiated for having spoken tutorial session, which will be beneficial for students in doing projects.

### **STRATEGY – 14**

National Instruments India is pioneering Virtual Instrumentation technology in the country. Their software LabVIEW is ideal for any measurement or control system. Students will be able use this lab to develop projects. It will also help the faculty members to do research activities. MVJCE should establish LabVIEW Academy to train students as well as faculty members.

### **STRATEGY – 15**

The representatives from industry expressed their view that the students have a large talent base that can be skilled to take up jobs with the industry. This can be achieved by reducing the skill gap that exists between industry requirements and academic outcome. Industry, on its part, has been training people to address their requirements, but orientation to skill development needs to be addressed at the college and school levels.

Hence, MVJCE should plan to organize the Foundation Skills in Integrated Product Development (FSIPD) program. It shall aim to improve student's awareness and understanding of the basic concepts involved in Integrated Product Development (IPD) by providing exposure to the key product development concepts. Students, who complete this program, will stand with a better chance of securing jobs in the Engineering industry. Also, this will help to enhance the skill sets of the students and make them industry ready.