An Autonomous Institute
Affiliated to VTU, Belagavi
Approved by AICTE, New Delhi
Recognized by UGC under 2(f) & 12 (B)

Strategic / Perspective Plan for 2022-23

1. **Formulation of Curriculum with NEP Implementation:**

   To generate a Scheme with specific focus on experiential learning and skill development.

   - ✔ To generate a Scheme with specific focus on experiential learning and skill development.
   - ✔ To generate a scheme and syllabus which are unique to different streams – Computer Science, Electrical, Mechanical, Civil, etc.,
   - ✔ Inter, Multi and Transdisciplinary Courses.
   - ✔ Curriculum is made Industry relevant, application-oriented and branch relevant.
   - ✔ Ability Enhancement courses are introduced from the first year.
   - ✔ Students' needs are addressed: Both slow & fast learners
   - ✔ Choice Based Credit System has to be implemented to a larger extent.
   - ✔ Ample opportunities for exploration by the students
   - ✔ Implementation of Integrated Courses from the first year
   - ✔ Handbook of formulae to reduce memorization to avoid rote learning.
   - ✔ Lab will be introduced to Mathematics – Experiential learning.
   - ✔ Scientific Foundations of Health, Innovation & Design Thinking Courses have to be introduced at the first year.
   - ✔ Electives will be introduced from first year.
     - ▪ Programming Language Course.

- ▪ <u>Emerging Technology Course</u>
- ▪ Engineering Science Course (C Programming, Basic Electronics, Electrical, Civil, and Mechanical).
- ✔ Lab experiments/programs shall be classified as Demonstration, Structured Inquiry and Open-ended experiments/programs
- ✔ 25 to 30% variation of experiments in P & C subjects, stream-wise

2. Constitution of Institute Research Promotion Centre (IRPC):

Institute Research Promotion Centre (IRPC) and Research Monitoring Committee (RMC) will be constituted to monitor, strengthen and promote the research activities at MVJCE on a continuous basis.

The objectives of IRPC and RMC are:
- To Initiate actions to promote the R&D activities at all the departments suggest implementable strategy/action plan.
- To Motivate all the faculty of Institution to involve in various R&D activities. Identify experts to motivate and train faculty to write proposals and apply to funding agencies.
- To continuously encourage research, collaborations, and consultancy among the faculty.
- To motivate faculty and students to write technical papers and publish in Scopus/Web of Science Journals.
- To engage master's degree students in R&D Projects and guide them to write and publish papers.
- To ensure all departments organize conferences and publish papers in Scopus/Web of Science Journals.
- To encourage faculty members to register as a Research Supervisor in VTU and assist faculty members who have not registered for Ph.D. to register in MVJCE's Research Centre.
- To identify the bright students from master's degree courses and motivate them to register for doctoral degree in MVJCE's Research Centre.
- To Motivate faculty to attend conferences and workshops organized at reputed Institutions.

3. **Proposal to start new course in M Tech- AI & DS:**

   To attract PG students, a course in emerging area can be started from the next academic year 2023-24.

4. **Preparation to become State Private University/Deemed to be University:**

   In order to achieve the high quality in education, NEP-2020 recommends implementation of a stage-wise mechanism for granting graded autonomy to colleges. Over a period of time, it is envisaged that every college make serious attempts to develop into either an Autonomous degree-granting College, or a constituent college of a university - in the latter case, it would be fully a university evolving into Teaching-intensive-Research or Research intensive –Teaching University.

   Initiate the necessary advance actions to Position the Institute to assist the College to move towards University:

   i. To prepare a University Development Plan, for the planning and implementation of goals for the next 10 years.

   ii. In order to maintain good quality and to build a quality Institution, overall students' strength should be 4000-4500.

   iii. Structuring the curriculum with specific attention to learning, creative thinking and innovation. Design Assessment methods accordingly.

   iv. Identify and offer a few programmes that are different from the existing Institution and other universities.

   v. Keep the University as Teaching intensive university with research orientation