

## KDK College of Engineering, Nagpur

### PERSPECTIVE PLAN

Following is the perspective plan of the college

1. **Enhancing the quality of Teaching – Learning Process**
2. **Promotion of research among staff and student**
3. **Improving Industry – Institute – Interaction**
4. **Engaging extension activities**
5. **Quality Assurance Measures**

The details are as follows:

#### **1. Enhancing the quality of Teaching – Learning**

- ✓ To provide more student-centric teaching – learning methodology
- ✓ Up-gradation of skills of staff through STTP, FDP, QIP, web learning through NPTEL, etc
- ✓ Creating infrastructure to use modern teaching aid
- ✓ Industry interface through summer internship
- ✓ Undertaking field project with participation from the industry

#### **2. Promotion of Research among staff and students**

- ✓ Providing platform to the faculty and students for R & D activities
- ✓ Encouraging faculty members to undertake research work and research publication in a reputed journal, conferences, etc
- ✓ Encouraging & motivating students to attend conferences, workshops, undertake the project of research orientation, publish their research/review papers, etc
- ✓ Inviting experts and eminent person on research committee for evaluating progress of research activities in various departments.
- ✓ Taking efforts to undertake sponsored research project

#### **3. Improving Industry-Institution Interaction**

- ✓ Providing platform to the students to undertake internship in related industries
- ✓ Providing skill based training to the student.
- ✓ Signing MoU with organization/corporate/industry to exchange the knowledge and expertise in related program of engineering
- ✓ Make an effort to educate the students for entrepreneurship

#### **4. Engaging extension activities**

- ✓ Inculcating a value system in students
- ✓ Developing leadership qualities in students through various activities
- ✓ Contributing to social change and promoting green initiatives
- ✓ Enhancing operational efficiency in academic and administration for better results

#### **5. Quality Assurance Measures**

- ✓ Accreditation and Re-accreditation
  - Civil Engineering Department and Mechanical Engineering Department had been accredited by NBA twice in the year 2002 & 2007; while Electrical Engineering Department was accredited in 2007.
- ✓ Participating in NIRF, AISHE

- College has been participating into the NIRF since its inception
- ✓ Internal Quality Assurance Cell (IQAC)
  - College has well established IQAC, which meets regularly to assess academic achievement and administrative working for improvement in the quality of the education in the institute.
- ✓ International Standard Organization, ISO : 9001:2015 certification

**Title of Practice: Promotion of Research among the faculty:**

**Objective:**

- ✓ To upgrade the qualification and knowledge of the faculty and students
- ✓ To bring the research culture in the institute

- ✓ To established recognized center of higher learning & research leading to Ph. D. and facilitate further research.

### **The Context:**

- ✓ As a place of higher learning, we understand the need of research activity to impart quality education. This can be done by promoting and encouraging the staff and students to undertake the doctoral research work. This has enabled to acquire 28 faculties to get Ph. D. Degrees.

### **The Practice**

Through the initiative and motivation by the Principal to the faculty members of the institute for taking up doctoral research work, many faculties have achieved doctoral status and many are undergoing to achieve the same.

Total faculty members having doctoral status in the year 2006 was 03 and in the year 2017 is 28.

The list is a testimony of the research orientation among the faculties. Besides faculties, the students are also motivated to attend the conferences, workshop for up-gradation of knowledge and encouraged to write research papers in journals of repute and take-up projects which brought many accolades to the institute. The college also holds the International level and national level seminar/ conferences to provide the platform to the students and staff to present their research findings. The incubation center is again a stride taken by the college in the direction of promoting research and application of the technology for the professional and societal development.

Various expert lectures by eminent person motivate staff and students to undertake advanced topic for their research work.

University has accorded Place of Higher Learning & Research Center leading to Ph. D. and M.E. by Research

### **Evidence of Success**

Following list is testimony to the practice adopted for the promotion of research among the faculty in the past.

<b>SN</b>	<b>Year</b>	<b>Number of Ph.D. on or before 2006</b>	<b>Total Number Ph.D.s in the Institute till date</b>
1	2006	03	03
2	2010	03	06

3	2011	02	08
4	2012	01	09
5	2013	01	10
6	2014	03	13
7	2015	04	17
8	2016	03	20
9	2017	08	28

