



## Strategic and Perspective Plan

### 1. Preamble :

- The Institute started in the Academic Year 2008-09 with following courses. Civil Engineering (60), Computer Science & Engineering (60), Electronics & Telecommunication Engineering (60) and Mechanical Engineering (60) intake.
- In the Academic Year 2009-10 Mechanical Engineering intake is increased to 90. In AY 2010-11, intake of Mechanical Engineering is further increased from 90 to 120 and that of Civil Engineering from 60 to 120. Thus total intake of UG courses from AY 2010-11 was 360.
- In AY 2011-12, a new UG course of Bachelor of Electrical Engineering is introduced with an intake of 60. Postgraduate courses are introduced in Civil and Computer Science & Engineering departments in AY 2011- 12. Postgraduate courses in Mechanical and Electronics & Telecommunication Engineering departments are introduced in AY 2013-14.
- In AY 2014-15, Direct Second Year Divisions were introduced in Computer Science & Engineering and Electronics & Telecommunication Engineering departments with an intake of 60 each.
- In AY 2018-19, Direct Second Year Divisions in Computer Science & Engineering and Electronics & Telecommunication Engineering departments are closed as per AICTE policy and in line with this an additional division of CSE and ENTC is started at FY B.Tech level. Thus the total intake of the institute gradually increased from 420 to 540 for Undergraduate courses for First Year of Engineering.
- In AY 21-22, the intake of ENTC was reduced from 120 to 60 and a new emerging branch Artificial Intelligence and Data Science is introduced with intake of 60.

### 2. Research Centers:-

The affiliating university DBATU has given approval to research Centers in following departments by the end of A.Y. 2021-22

- Civil
- Mechanical

Institute intend to establish research centers in



- Computer Science and Engineering
- Electronics and Tele Communication Engineering

3. Service to the Society:-

Testing and constancy services are offered in all branches especially in Civil and Mechanical Engineering.

The available faculty expertise is used for proof consultancy works, improvement in product design and systems.

Our Vision is that all departments will start various training centres like Earthquake Resistance Design cell, water management cell, rural development cell etc.

4. Faculty Development Plans:-

Institute is encouraging faculty members to upgrade their academic qualifications. So also the faculty members are being encouraged to improve their knowledge by attending NPTEL courses, short term training programs at the Institutes of National Excellence such as IITs, NITs and at other Institutes. At present the Institute has allotted a fund of Rs. 5000/- for each faculty member for attending such programs.

By the academic year 2023-24 four faculty members from each department are expected to complete their Ph.D.

Our aim for faculty development is that 50% of faculty members from each dept. should acquire Ph.D. by 2027

5. Student development Programs :-

It is the policy of the Institute that students should develop not only in academics but in co-curricular and extracurricular activities also.

Additional skill development courses are designed for AutoCAD, STAAD, SAP & ETAB design softwares, Catia, Revit, Embedded Systems, VLSI and other softwares also. Various students organizations are formed in each department and students are conducting guest lectures, industrial visits, co-curricular competitions etc. through these student organizations.

Students are guided and encouraged to participate in various paper presentation, project competitions and Hackthons.

Students are encouraged to participate in sports and cultural competitions also at university & institute level.

6. Tie-up with other national and international Institutes:-

The institute has started discussion with Polytechnic Nancy University France. Their four students are coming for three months internship from April to July 2023 in our Solar Research Center. Institute is trying for tie-up with Polytechnic Nancy University.



Pradnya Niketan Education Society's

# **NAGESH KARAJAGI *ORCHID* COLLEGE OF ENGINEERING & TECHNOLOGY, SOLAPUR**

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7. Emerging courses:-

From A.Y, 21-22, Institute has started the emerging course at U.G. level in Artificial Intelligence and Data Science and P.G. level Computer Aided Structural Analysis and Design. It has plans to start PG level course on E-Vehicle Technology from AY 24-25.

8. Accreditation & Autonomy:-

- The institute planning to get accredited for NAAC second cycle by the Sept. 2023.
- NBA accreditation for at least 50% of courses by the end of A.Y.2023-24
- After accreditation process, institute has a plan to go for autonomy from AY-2024-25.