

# **LUKHADHIRJI ENGINEERING COLLEGE, MORBI**

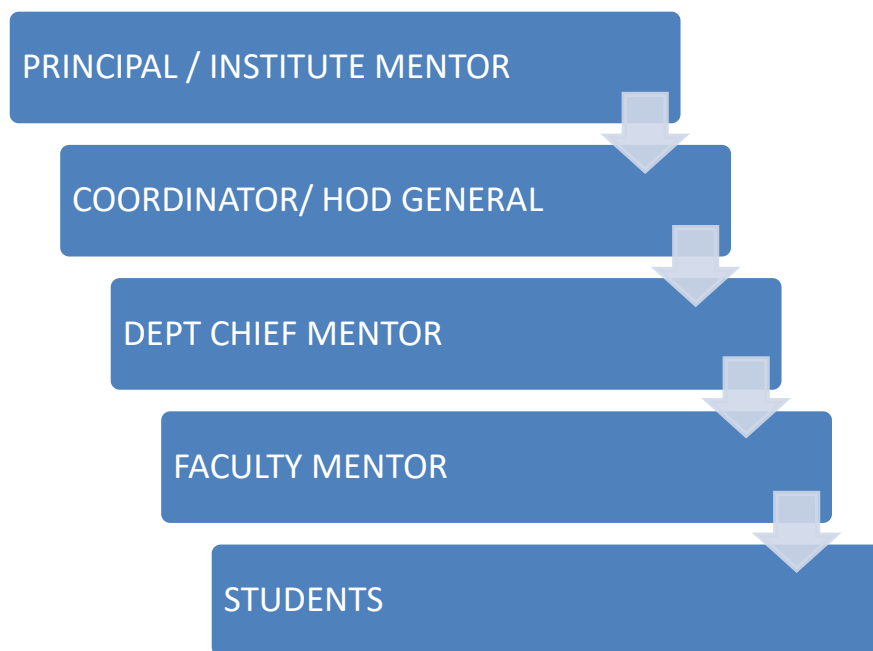
## **MENTORING SYSTEM FOR NBA CRITERIA 9.1**

### **9.1: Mentoring System to help at Individual Level (5 Marks):**

Student mentoring Program in Lukhdirji Engineering College, Morbi for the Student Community has been developed with the primary objective of enabling a reliable and comprehensive support system of constructive and positive interaction, guidance and mentorship of the students by the faculty members and the Head of Departments so as the students are motivated to excel in both academic and non-academic fields. Personal and professional support to the students is very much required in order to build confidence in the students and to make the most of their lives. The experienced faculty facilitates and supports the overall development of the students. Therefore, the process of mentoring provides a developmental opportunity for both the parties and can thus be of mutual benefit.

#### **Implementation of Student Mentoring System:**

In order to develop a smooth transition of the students to campus life for every new entrant to an academic Program at Lukhdirji Engineering College, Morbi, the students go through an orientation program. Once the students got enrolment number from the university, they have been allotted to the faculty mentors of respective departments in almost equal strength, However whenever there is a shortage of faculty in few of the departments with respect to number of students, then the students of such departments are allotted to the departments where there are less number of students but more no of faculty members in order to keep number of allotted students roughly equal. All departments have mentors and chief mentors as along with an overall in charge of student mentorship program under the leadership of Principal of the college as per the following:



**Fig 9.1 Hierarchy of Student Mentoring System**

Each faculty mentor meets the respective allotted students' at least twice in a semester. The students can discuss his/her academic strengths/weaknesses, innovative ideas and personal on/off

campus difficulties. It is necessary for a mentor to understand the wide variety of situations his mentees could face and be humble enough not to impose their own opinions but to tailor advice to the mentee's needs. A regular review meeting of faculty mentors with the chief mentors has been held at least twice per semester. The faculty members maintain the records of all the activities. Detailed Description is given as below:

**Table 9.1 Description of Mentoring System**

| Sr.N<br>o. | Type of Mentoring | Functions |
|------------|-------------------|-----------|
|------------|-------------------|-----------|

|   |   |   |
|---|---|---|
| 1 | Orientation/Induction program for newly admitted students | <ul style="list-style-type: none"> <li>• Information to newly admitted students of B.E first year about the institute's vision &amp; mission, faculty members and teaching/examination schemes of GTU is being communicated.</li> <li>• Motivation of the students by experts has been done so that the students would be able to carry out their studies with enthusiasm and dynamism.</li> <li>• Students are made familiar with old and new campuses, laboratories, libraries and other facilities through a guided tour by faculty members.</li> <li>• The Induction Program is aimed for new entrants, with an objective to provide adequate time for the transition to hard-core engineering courses. During these 4 weeks of interaction with faculty and their classmates, the students will be equipped with the knowledge and the confidence needed to take on bigger challenges as future engineers of this country</li> </ul> |
| 2 | Academic Development                                      | <ul style="list-style-type: none"> <li>• Students have been shared with academic planners, academic schedules and e-learning resources.</li> <li>• In order to enhance the practical knowledge of students, the mentors counsel irregular students in laboratory classes to attend regularly and complete backlog experiments during specified extra hours.</li> <li>• Arrange special lab coaching for Students with backlogs in external lab exams.</li> <li>• Students with poor attendance are identified and the faculty mentors motivate them to improve attendance by counseling them.</li> <li>• Weak students have been given supplementary reading materials, model questions along with solutions and special classes to cope up.</li> </ul>   |

|   |                       |  |
|---|-----------------------|--|
| 3 | Personal development  | <ul style="list-style-type: none"> <li>• Individual students in specific cases are counseled to cope with physical, emotional, mental, social and environmental challenges.</li> <li>• Yoga and Meditation workshops and such other holistic practices have been conducted by the experts and faculty mentors.</li> <li>• Engage in family /peer counseling by Counselor/ Mentor /HOD to strengthen student's interpersonal relationships thereby improving their grades.</li> </ul>   |
| 4 | Professional guidance | <ul style="list-style-type: none"> <li>• Students are encouraged to discuss their innovative ideas and presentations.</li> <li>• Ignite students 'thinking for innovative projects</li> <li>• Technical workshops and webinars etc. have been arranged to support their learning capabilities.</li> <li>• Students are persuaded and motivated to expand and upgrade their domain knowledge through consistent usage of technical and industrial literature.</li> <li>• Students are guided to participate in competitive activities.</li> </ul> |
| 5 | All round Development | <ul style="list-style-type: none"> <li>• Students are encouraged and facilitated towards all round development through participation in co-curricular, literary, cultural and sports activities in order to develop leadership qualities, decision making abilities, team spirit, socio psychological awareness, to shape the student into an intellectually integrated person.</li> </ul>   |

|                               |   |
|-------------------------------|---|
| Number of faculty mentors     | There are 08 chief mentors that is 1 for each Department and 64 mentors (Mechanical Engg. -11, Chemical Engg-08, Production Engg--04, Power Electronics-05, Industrial Engg 01, IT-04, Civil 18, Electrical-13)in all 8 branches of Engineering |
| Number of students per mentor | Approximately 20  |
| Frequency of meeting          | Twice in a semester and as per the need of students   |

**Effectiveness:**

- Students' enrollment in GATE exam has been improved.
- Students' participation in curricular co-curricular and extracurricular activities have been increased.