



# *Hindusthan Institute of Technology*

An Autonomous Institution, Approved by AICTE, New Delhi

Accredited with “A’ Grade by NAAC

Affiliated to Anna University

Valley Campus, Pollachi Highway, Coimbatore – 641032.

## **Internal Quality Assurance Cell**



### **Best Practice I**

#### **1. Title of the Practice**

Inculcating the spirit of Innovation and research among faculty and students for a progressive technological growth

#### **2. Objectives of the Practice**

- To improve quality in the teaching-learning process
- To enhance quality in UG and PG projects
- To publish papers in refereed International/ National journals and conferences
- To undertake collaborative projects and consultancy for long term interaction with the academia and industry
- To attain IPRs
- To get research projects from several funding agencies

#### **3.The Context**

Multi-disciplinary Research activities are to be encouraged among faculty members and students as to meet global challenges and to promote progress for the society. Innovative research leads to provision of better life style. Continuous research and development of new products and projects has become the need of the hour. This motivated the Institute to strengthen Innovation and R&D activity that focuses on various independent domains and encourages multi-disciplinary research.

#### **4.The Practice**

Research Committee has been formed and Faculty members and students have been given training in analytical tools

More than 80 % of Student project works have been carried out in the industries. The outcomes of the research projects are being published in International Journals

KAPILA (Kalam Program for IP Literacy and Awareness) Scheme has been implemented

Incentives for research publications, Patent Publication and research projects have been provided as per Research Policy

**Financial support for carrying out base line research in the form of seed money research program**

### **5.Evidence of Success**

- Increased involvement of Faculty and students in research and innovation
- 3 MODROBS Projects were completed and consultancy works are being undertaken
- 12 Research Seed money projects have been completed
- 7 Patents have been filed and published under KAPILA Scheme
- Series of Innovation contests have been conducted and 60 working models have been developed
- HiTech -SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students) Club has been supported by AICTE and innovation competitions are being organized
- Involvement in IIC Activities helped to bag 4 star rating award

### **6.Problems Encountered and Resources Required**

- High-speed internet access is required for all students
- Adequate Testing facilities are required
- Specific tools are required for design analysis and optimization processes

### **7.Notes (Optional)**

- Exclusive faculty training to be extended to all the faculty members in using Research and analysis tools
- Consistent efforts are being made to have better Industry Interaction towards Innovation and research

## **Best Practice II**

### **1. Title of the Practice**

Positive motivation to Teaching staff, Non-teaching staff and students through conferment of awards for performance excellence in various categories

### **2. Objectives of the Practice**

- To recognize the excellent performance of Faculty and students in Teaching Learning process
- To Motivate Faculty members and students towards attainment of continuous improvement in their performance as per the quality policy
- To Inculcate team spirit and leadership qualities among students
- To achieve the goals of Institute as per the Vision and Mission through continuous improvement in their performance

### **3. The Context**

Power of rewards and awards is highly helpful in influencing staff and students behavior. It is believed that positively motivated team can be a significant factor in institute's success. Through the motivation of staff and students at higher levels of their skills and abilities, the institute as a whole runs more efficiently and is more effective at achieving its objectives and goals.

### **4.The Practice**

Many numbers of awards have been constituted in various categories

4.1. For Staff: Awards for Best Faculty, Best Class Tutor, Best Club Incharge, 100 % result, Best Department, Research, Consultancy, Extension activities, Library management, Placement, Effective office administration and recognition for creation of Institute perception. Staff are recognized with these awards during celebration of Teachers' day every year.

4.2. For Students: During annual day celebrations the awards for Best outgoing student, Toppers in classes, Best performer in sports, cultural and social services are conferred

### **4. Evidence of Success**

- Increase in Number of quality publications
- Improvement in Academic results
- Involvement of staff and students in extension activities has considerably improved
- Micro level mentoring helped slow learners to get pass marks in the examinations
- Participation in co-curricular and extra-curricular activities has improved
- Better Placement in core engineering Industries


- 28 Students have been emerged as entrepreneurs
- 20 Students have applied for post graduate admission in various foreign Universities

### **5.Problems Encountered and Resources Required**

- Latest analysis tools and testing equipments are needed to carry out quality research works
- The number patents granted is less, as the duration of patent Examination process is long
- Most of the students are willing to go for employment.15 % of the students only having interest in entrepreneurship

### **6.Notes (Optional)**

The awards are provided for the faculty members in addition to the financial support towards registration for conferences, NPTEL Courses, Seed Money projects. Students are also getting financial support through meritorious scholarships

  
Co-Ordinator/IQAC

  
PRINCIPAL

