



## **Hindusthan Institute of Technology Coimbatore – 641 032**



### **The Annual Quality Assurance Report (AQAR) of the IQAC 2017-18**

**Submitted to  
National Assessment and Accreditation Council (NAAC)  
Bangalore**

#### **Hindusthan Institute of Technology**

(Accredited by NAAC with „A“ grade, Affiliated to Anna University, Chennai)

Othakkalmandapam (Post),  
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## Part – A

AQAR for the year

2017-2018

### 1. Details of the Institution

1.1 Name of the Institution

Hindusthan Institute of Technology

1.2 Address Line 1

Othakkalmandapam (Post),

Address Line 2

Pollachi Mani Road, Coimbatore

City/Town

Coimbatore

State

Tamil Nadu

Pin Code

641 032

Institution e-mail address

hitprincipal@hindusthan.net

Contact Nos.

0422 - 2610788

Name of the Head of the Institution:

Dr.C.NATARAJAN

Tel. No. with STD Code:

0422-2610788

Mobile:

09994630696

Name of the IQAC Co-ordinator:

Dr.P.PRATHAP

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHC0GN 18879)

**OR**

1.4 NAAC Executive Committee No. & Date:   
(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate

1.5 Website address:

Web-link of the AQAR:

#### 1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.03	2016	May24, 2021
2	2 <sup>nd</sup> Cycle	-	-	-	-
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

1.7 Date of Establishment of IQAC : DD/MM/YYYY

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

i. A Q A R **03-04-2017**

ii. A Q A R \_\_\_\_\_(DD/MM/YYYY)

iii. A Q A R \_\_\_\_\_(DD/MM/YYYY)

iv. A Q A R \_\_\_\_\_(DD/MM/YYYY)

### 1.9 Institutional Status

University State  Central  Deemed  Private

Affiliated College Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution (eg. AICTE, BCI, MCI, PCI, NCI) Yes  No

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

### 1.10 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

-

### 1.11 Name of the Affiliating University (*for the Colleges*)

ANNA UNIVERSITY, CHENNAI

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University	<input type="text"/>		
University with Potential for Excellence	<input type="text"/>	UGC-CPE	<input type="text"/>
DST Star Scheme	<input type="text"/>	UGC-CE	<input type="text"/>
UGC-Special Assistance Programme	<input type="text"/>	DST-FIST	<input type="text"/>
UGC-Innovative PG programmes	<input type="text"/>	Any other ( <i>Specify</i> )	<input type="text"/>
UGC-COP Programmes	<input type="text"/>		

**2.IQAC Composition and Activities**

2.1 No. of Teachers	<input type="text" value="8"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="2"/>
2.3 No. of students	<input type="text" value="1"/>
2.4 No. of Management representatives	<input type="text" value="1"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and Community representatives	<input type="text" value="2"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="19"/>
2.10 No. of IQAC meetings held	<input type="text" value="2"/>

2.11 No. of meetings with various stakeholders: No. 5 Faculty 2

Non-Teaching Staff Students  Alumni  Others

2.12 Has IQAC received any funding from UGC during the year? Yes  No

If yes mention the amount

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- IQAC maintain Eco Friendly campus.
- The IQA Cell encourages the faculty members to attend seminars, workshops, FDPs, and to publish papers in referred conferences/journals.
- The IQA Cell motivates the faculty members to apply funded projects and grants on the current technologies.
- IQAC conducts Faculty development program.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
Motivate more number of research publications	Total publications has increased
Eco friendly Campus	Planted more number of saplings

2.16 Whether the AQAR was placed in statutory body  Yes  No

Management  Syndicate  Any other body

Provide the details of the action taken

**Part – B**  
**Criterion – I**

**1. Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	2	-	-	-
PG	4	-	-	-
UG	6	-	-	6
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	13
Others	-	-	-	-
<b>Total</b>	12	-	-	19
Interdisciplinary	-	-	-	-
Innovative	-	-	-	19

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	12
Trimester	-
Annual	-

1.3 Feedback from stakeholders\*  
(On all aspects)

Alumni  Parents  Employers  Students

Mode of feedback : Online  Manual  Co-operating schools (for PEI)

*\*Please provide an analysis of the feedback in the Annexure*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, Revision/update is made by Anna University, Chennai. Our College is affiliated to Anna University, Chennai. In the Academic Year 2017-2018, the university introduced Regulation 2017 for affiliated institutions. The salient features of the new syllabus are.

- Choice Based Credit System.
- Open Elective (OE) courses include the courses from other branches which a student can choose from the list specified in the curriculum of the students B.E. / B. Tech. Programmes.
- Online Course is introduced in this regulation. Students may be permitted to credit only one online course of 3 credits with the approval of Head of the Institution and Centre for Academic Courses, Anna University.
- Employability Enhancement Courses like Seminar / Case study, Industrial / Practical Training, Summer Project, Internship is to be considered as purely INTERNAL (with 100% internal marks only). Every student is expected to present a minimum of 2 seminars per semester before the evaluation committee and for each seminar, marks can be equally apportioned.
- Assessment for Value Added Course is introduced by providing one / two credit courses, shall carry 100 marks and shall be evaluated through continuous assessments only.



1.5 Any new Department/Centre introduced during the year. If yes, give details.

Software Testing Laboratory
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### Annexures

#### Number of value added / Career Oriented programmes

Department	No. of Value Added Course	Name of Value Added Course
Aeronautical Engineering	2	1. OpenFOAM, 2. Qcad
Automobile Engineering	3	1. Qcad 2. OpenModelica 3. AUTODESK INVENTOR
Computer Science and Engineering	4	1. C and Cpp, 2. PHP and MySQL 3. Database Design & Programming with SQL- Oracle Academy 4. Vm ware
Electronics and Communication Engineering	2	1. Scilab 2. ExpEYES
Information Technology	4	1. C and Cpp 2. Java 3. Digital Marketing 4. Vm ware
Mechanical Engineering	3	1. Qcad 2. OpenModelica 3. CATIA ANSYS

### 1.3: Feedback Analysis stakeholders

Feedback was received from our stakeholders such as Alumni, Parents, students and Employers. The details are tabulated below.

Stakeholders	Merits	Suggestions
Alumni	1. Whatsapp alumni group is maintained by the faculty members. 2. College is located in very calm and secure environment, which make the feel more	1. Website may be created for Hindusthan Alumni. 2. Dress Code may be relaxed for final year

	<p>comfortable while learning.</p> <ol style="list-style-type: none"> <li>3. College makes to adhere with punctuality and self-discipline inside the campus while studying, which helps to be more comfortable in Employment.</li> <li>4. College provided planned activities for career growth.</li> <li>5. Value Added Courses conducted during final year helped to get the job in campus interview.</li> <li>6. Friendly atmosphere in the hostels.</li> </ol>	<p>students.</p>
Parents	<ol style="list-style-type: none"> <li>1. Students residing in the hostel feel a homely atmosphere.</li> <li>2. Parents and Teachers' Communication is maintained regularly by receiving messages from college portal.</li> <li>3. Class Advisor and Tutor help to improve the examination results of the wards</li> </ol>	<ol style="list-style-type: none"> <li>1. Personality Development Classes should be provided other than Placement Training.</li> <li>2. Public Bus stop at college entrance gate may be provided.</li> </ol>
Students	<ol style="list-style-type: none"> <li>1. Various events and competitions were organized to develop and expose the talents and potentials of students and the activities are updated.</li> <li>2. Well organized practical training classes.</li> <li>3. Peer Group meeting provided us to interact more friendly with our faculty to share our suggestion with the subject handling faculty members.</li> <li>4. Good and well qualified faculty members.</li> <li>5. Weak Students coaching class is very useful.</li> <li>6. Faculty members are motivating the students for Paper Presentation and publication of papers and other events outside the college.</li> <li>7. Faculty members of the college help the students to develop communication skills.</li> </ol>	<ol style="list-style-type: none"> <li>1. College Timing may be altered from 9.00 Am to 4.30 Pm</li> <li>2. Intercollege Cultural Festivals may be arranged.</li> </ol>
Employers	<ol style="list-style-type: none"> <li>1. Students have good technical knowledge and are able to compute the assigned tasks in time.</li> <li>2. Students have good interactive skills.</li> <li>3. Students are disciplined.</li> <li>4. Students are having good organizing capabilities.</li> </ol>	<ol style="list-style-type: none"> <li>1. Students should be able to adapt to changing environments.</li> </ol>

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	184	137	30	17	-

2.2 No. of permanent faculty with Ph.D. 30

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	21	-	2	-	1	-	-	-	24	-

2.4 No. of Guest and Visiting faculty and Temporary faculty 1 2

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	33	24	-
Presented papers	23	21	-
Resource Persons	1	12	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

1. Slow Learner Coaching Class conducted during 5.00 Pm to 6.30Pm regularly  
 2. Performance Monitoring Group in introduced to care about the student  
 Performance in the internal examinations

2.7 Total No. of actual teaching days during this academic year 180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop - - -

2.10 Average percentage of attendance of students 92 %

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E AERO	52	3	67	15		87
B.E AUTO	69	2	68	12		81
B.E CSE	74	-	65	7		72
B.E ECE	124	11	66	-		76
B.E IT	39	8	43	-		51
B.E MECH	145	-	79	5		84
MBA	34	3	88	9		100
MCA	7	-	100	-		100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

1. The principal of the institution will visit the class room at regular intervals, regular monitoring by the concerned Head of the Department
2. Performance appraisal of individual faculty member is collected and it is analysed based on various criteria like end semester examination results, internal examination results. Faculty performance is also monitored through the feedback form collected from the students.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	<b>3</b>
UGC – Faculty Improvement Programme	<b>5</b>
HRD programmes	<b>2</b>
Orientation programmes	<b>16</b>
Faculty exchange programme	-
Staff training conducted by the university	<b>1</b>
Staff training conducted by other institutions	<b>8</b>
Summer / Winter schools, Workshops, etc.	<b>22</b>
Others	<b>22</b>

#### 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	3	-	1	-
Technical Staff	25	-	-	-

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. The IQAC combined with research cell is continuously working to provide research climate among the faculty members and students
2. IQAC encourages the staff members to apply grants for conducting events.
3. IQAC encourages participating in Research actives and motivated to register Ph.D.
4. IQAC plays vital role to improve teaching-learning process.
5. IQAC guide to apply Research Project for government funding agencies
6. IQAC appreciates the faculty members who have achieved various milestones in research and consultancy work.
7. IQAC encourages all faculty members to publish their research article in peer reviewed journals.
8. IQAC encourages the faculty to publish books in their stream.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	4	-	-
Outlay in Rs. Lakhs	2	73.118	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	01	-	-
Outlay in Rs. Lakhs	-	0.1	-	-

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	79	2	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	31	5	-

### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (in Lakhs)	Received (in Lakhs)
Major projects	2016-2018	DST	6.08	5.42
	2016	ISRO/DRDO	50	10
	2016-2017	DST	13.03	2.09
	2 Months	PMKVY	2	2
	6 Months	PMKVY	4	4
Minor Projects	6 Months	TNSTC	0.10	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects ( <i>other than compulsory by the University</i> )	2017-2018	IEI	0.20	0.20
Any other(Specify)	2017	ICSSR	0.90	0.90
	2017	NCW	0.28	0.28
Total			76.59	24.89

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
 DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
 INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	7	-	-	-
Sponsoring agencies	-	1. Management 2. BRNS	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations

International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency  From Management of University/College

Total



3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
-	6	-	-	-	-	16

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them

4

11

3.19 No. of Ph.D. awarded by faculty from the Institution

3

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF -

SRF -

Project Fellows -

Any other -

3.21 No. of students Participated in NSS events:

University level 96

State level 146

National level 30

International level -

3.22 No. of students participated in NCC events:

University level -

State level -

National level -

International level -

3.23 No. of Awards won in NSS:

University level  State level  National level  International level

3.24 No. of Awards won in NCC:

University level  State level  National level  International level

3.25 No. of Extension activities organized

University forum  College forum   
NCC  NSS  Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Motivated the bright students in the hostel to take care of the weak students (Challengers) in their studies.
- Apart from college hours, our Faculty members stayed in hostel to give special coaching class and motivation for weak students (Challengers).
- Creating awareness on “The Legal Rights for Women” in collaboration with National commission for women.
- Tree Plantation was done by the students in the campus.
- Bio mass power generation awareness program was conducted.
- Central government sponsored training program on Light motor vehicle.
- Central government sponsored training program on lathe operator.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	26.4 Acres	-	-	26.4 Acres
Class rooms	43	1	Mgt	44
Laboratories	43		Mgt	43
Seminar Halls	2	-	-	2
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	Automobile Engineering Block	Mgt	-

#### 4.2 Computerization of administration and library

The Administration and the library access is fully computerized. The attendance entry has been through e campus system. The lending of books, entry and exit in library is been computerized. E resources and international journals are accessed through internet connected computers

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	313	135000	580	200980	913	335980
Reference Books	50	23185	20	14020	70	37205
e-Books	-	-	-	-	-	-
Journals	118	271759	-	-	118	271759
e-Journals	896	796241	-	-	896	796241
Digital Database	-	-	-	-	-	-
CD & Video	120	-	30	-	150	--
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	744	4	744	1	1	5	14	85
Added	0	0	0	0	0	0	0	0
Total	744	4	744	1	1	5	14	85

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Internet Access in all computer systems for viewing and downloading the materials. E campus attendance monitoring system has been done.

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	5.36
ii) Campus Infrastructure and facilities	150
iii) Equipments	0.33541
iv) Others	-
<b>Total:</b>	<b>155.36541</b>

## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- IQAC provides students a friendly and barrier free campus
- Students are encouraged to attend various curricular and extra-curricular activities in other colleges.
- Communication improvement programme has been conducted successfully
- Placement activities and value added courses has been carried out during the current academic year
- IQAC drives students and faculty to do Research work inside the campus.
- Student’s grievance redressed cell keeps an eye on the support of students in all aspects.
- IQAC drives the faculty by collecting regular Feedback from students.

#### 5.2 Efforts made by the institution for tracking the progression

- Student’s attendance is primary motto for our department. Daily attendance is monitored by the Head of the department and the Principal 3 times per day.
- The Parents whose ward secured below 75% attendance are informed to meet the HOD and the students who got 100% attendance are appreciated in the college day.
- Under performance students are identified in every class and they are given special coaching class in evening.
- Revision test to improve the writing practise has been planned and conducted effectively for each subject.
- Career development programme conducted.
- Inplant/Internship training
- Project demonstration

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1687	127	Nil	

#### (b) No. of students outside the state

173
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#### (c) No. of international students

Nil
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	No	%		No	%
Men	1442		Women	372	

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physical ly Challenged	Total
267	157	06	1426	02	1858	252	13	06	1424	02	1814

Demand ratio 1:1

Dropout % = 2%

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

- Coaching Class has been planned and conducted effectively for GATE exam
- Provide the coaching class for the gate examinations to the non – arrear students
- Previous gate question papers with answers was provided to the students
- Conducted model gate exam
- Free Coaching classes for Group 1 and Group 2 Examination through Hindusthan IAS Academy
- Coaching on Soft Skills and Communication Skills development are provided.
- Coaching for on-Campus and off-Campus placements

No. of students beneficiaries

352

#### 5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	25	CAT	-
IAS/IPS etc	-	State PSC	10	UPSC	-	Others	4

#### 5.6 Details of student counselling and career guidance

##### **STUDENT COUNSELLING**

- Targeted students are counselled once in every week
- special coaching class has been conducted during the time of university examinations for challenging and good students

No. of students benefitted

1814

##### **CAREER GUIDANCE**

1. Placement Training for III Year Students
2. Technical Training for Final Year Students

No. of students benefitted

363

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
25	363	55	29

### 5.8 Details of gender sensitization programmes

- POSH Cell Activities
- Orientation programme through women Empowerment Cell

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

#### No. of students participated in cultural events

State/ University level  National level  International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	57	21,78,000/-
Financial support from government	634	1,38,95,000/-
Financial support from other sources	25	5,00000/-
Number of students who received International/ National recognitions	1	40,000/-

### 5.11 Student organised / initiatives

Fairs : State/ University level National level International level  
Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: Nil



## **Criterion – VI**

### **6. Governance, Leadership and Management**

#### **6.1 State the Vision and Mission of the Institution**

##### **Vision**

Hindusthan Institute of Technology pursues a philosophy of perpetual acquisition of Knowledge. Apart from academic curriculum, equally important is our policy to provide value based education and to exhibit the hidden potentials in students, which empower them to approach life with optimism

##### **Mission**

Hindusthan Institute of Technology conveys revolutionary technical education and inculcates great outlines of discipline through our dedicated staff, who shall set global standards, making our students technologically superior and ethically strong with the help of state-of-art laboratories in all disciplines has received greater recognition for its efforts. Our objective is to educate students to uplift them as enlightened individuals, improving their living standards

#### **6.2 Does the Institution has a management Information System**

Yes. The College maintains centralized E-Campus software for the following:

- To capture student details.
- Enable the parents to know the attendance status
- To enter students attendance and to track their presence in the class.
- To enter CIA marks.

- To upload the Subject Notes
- Enable automated result analysis.
- To Enable Class Time table generated
- To identify the slow learners by data analysis.
- Enable students to know their attendance status and marks online.

### **6.3 Quality improvement strategies adopted by the Institution for each of the following:**

#### **6.3.1 Curriculum Development**

- As per Anna University Regulations

#### **6.3.2 Teaching and Learning**

- Introducing innovations in the existing programmes
- Offering relevant value added courses for further knowledge enrichment
- Introduction of additional electives based on the feedback from Industry.
- Complete digitalization of the Central Library.
- Focus on ICT based learning.
- Teaching content beyond syllabus.
- Arranging guest lectures and industrial visits
- Special coaching facilities for the students to appear in competitive and entrance examinations.
- Conducting industry focused Training and Placement classes.
- Sending progress reports to parents

### **6.3.3 Examination and Evaluation**

- CIA test dates and End Semester Examination schedule are provided in the academic calendar.
- The students are informed of the above through their Tutors and in Class Committee Meetings
- The End Semester Examination results once declared will also be published in the Anna university web sites

### **6.3.4 Research and Development**

- Teachers are kept updated about available scopes for applying for research grants.
- Teachers are encouraged to submit more research publications and projects.
- Eminent scientists and speakers are invited for giving lectures.
- Space and necessary infrastructural support is provided for research work.
  
- Industry stalwarts are invited to interact with students and provide exposure to help them develop their entrepreneurial skills
- Improvement and Modernization of Laboratories relevant for research.
- Encourage the faculty for Journal publications, attending workshops ,seminar and guest lectures
- Providing the facility of DELNET, IEEE, NPTEL for subscription of online journals
- Apply and seek funding from various Government agencies for research activities.
- Research among students by introducing projects and Skill based assignments.
- Undertaking consultancy works from Industries with active participation of the faculty

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

<b>Contents</b>	<b>Description</b>
Total area of the Library (in Sq. Mts.)	600 Sq.Mts
Total seating Capacity	150
Working hours	8.00 a.m to 8.00 p.m
Total Text Books	10420
Total Volumes	25053
Total Journal National	118
Total Journal International	DELNET

- College introduce ICT, for which college utilized Additional Grant (Equipment, teaching & learning aids)
- Latest books and journals are purchased and subscribed to every year.
- Total automation of the library service has been initiated.
- Internet service has been made available to the library users.
- Each department maintains and runs a library of its own.
- Annual budgetary allocation is made available to each department for purchasing equipment, text and reference books each year.

### 6.3.6 Human Resource Management

- Faculty are permitted to attend orientation programmes and refresher courses organized by the Institutions
- The faculty are encouraged to attend Seminars, Workshops etc. organized by other Colleges,
- Organizing Seminars and FDPs in the College for supporting the faculty in improve their academic skills.
- The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted with CL, EL, ML and EPF.
- Employee's salary is credited to the bank account directly.

- Pay slips are issued to the employees every month.
- Non-Teaching staff have ESI facility for their family members

### 6.3.6 Faculty and Staff recruitment

#### Teaching Staff Recruitment

- The notice of vacancy calling for various posts will be published in newspapers and also in Institution website.

### 6.3.8 Industry Interaction / Collaboration

- The institution has an Institute Industry Interaction cell headed by a senior faculty member, for providing exposure to our students and helps them to develop entrepreneurial activities. They are sent for internship programs in the relevant industries of their domain, thus exposing and preparing them to meet the real time requirements in the industry. Hence, the institution creates a tie up and signs MOUs. Every academic year it is made sure that the students are taken for industrial visits. The feedbacks from the industry with regard to the teaching quality, curriculum, and infrastructural requirements are considered and decisions are taken after going through the available resources and modalities.

### 6.3.9 Admission of Students

#### Under Graduate Programmes

S.No	Programme	Sanctioned Intake	Admitted
1	AERO	60	40
2	AUTO	60	45
3	CSE	120	80
4	ECE	120	81
5	MECH	120	116
6	B.Tech IT	60	43

Under Graduate Programmes (Lateral Entry)

<b>S.No</b>	<b>Programme</b>	<b>Sanctioned Intake</b>	<b>Admitted</b>
1	AERO	12	Nil
2	AUTO	12	12
3	CSE	24	01
4	ECE	24	Nil
5	MECH	24	18
6	B.Tech IT	12	02

Post Graduate Programmes

<b>S.No</b>	<b>Programme</b>	<b>Sanctioned Intake</b>	<b>Admitted</b>
1	MCA	60	Nil
2	MBA	60	56
3	ME VLSI & DESIGN	24	04
4	ME CSE	24	01

Post Graduate Programmes (Lateral Entry)

<b>S.No</b>	<b>Programme</b>	<b>Sanctioned Intake</b>	<b>Admitted</b>
1	MCA	60	17

**6.4 Welfare schemes for**

Teaching	Staff Welfare Fund, Maternity Leave, Provident Fund, EPF, ESI, Festival Advance
Non-teaching	Staff Welfare Fund, Maternity Leave Provident Fund, EPF, ESI, Festival Advance
Students	Students Health Home, Accidental Benefit Schemes, Free Studentship, Government Scholarships, Award, Prize.

**6.5 Total corpus fund generated**

**6.6 Whether annual financial audit has been done** Yes  No

**6.7 Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	Yes	MR
Administrative	-	-	-	-

**6.8 Does the University/ Autonomous College declare results within 30 days?**

For UG Programmes Yes  No

For PG Programmes Yes  No

**6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?**

- The University has recently changed the Question paper format of the Examination at the Undergraduate Level and Post Graduate Level

**6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?**

No

**6.11 Activities and support from the Alumni Association**

Every year Alumni meet is conducted for all the departments.

**6.12 Activities and support from the Parent – Teacher Association**

Every year Parent – Teacher meeting is conducted for all the departments.

**6.13 Development programmes for support staff**

- All the Department of the College organizes various events like Seminar, Workshop and Computer Awareness Programme and Computer Literacy Programme for non-teaching employees.

**6.14 Initiatives taken by the institution to make the campus eco-friendly**

- Regular testing of drinking water and quality of canteen food by the College Authority
- Campus is declared as plastic free zone.



## Criterion – VII

### INNOVATIONS AND BEST PRACTICES

Hindusthan Institute of Technology and its Management are conscious and extremely thoughtful about conservation of environment. Various measures are taken to impart and maintain the campus environment greenish. The college is committed to promote a clean and green environment nurturing creativity and innovation. Our college is having numerous trees which contribute to ecological replenishment and there are many initiatives taken to make the environment eco-friendly.

#### **7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.**

- ✓ State-of- art infrastructure is developed updating library, computer/ internet/ Wi-Fi and laboratory facilities.
- ✓ Smart materials through E-Campus.
- ✓ Conducting BEC Course (British English Certificate Course) to enrich communication skill of the students
- ✓ Bridge Course for First year students for all subjects.
- ✓ Mock placement interviews are conducted by the real HR professionals of the industries, who are going to recruit them in the next 6 months.
- ✓ University toppers are duly acknowledged with a certificate and a cash prize.
- ✓ Every class of students has been provided with 2-3 tutors, who will monitor and counsel them.
- ✓ Many students are supported with scholarships
- ✓ Guidance and Training Academy for IAS, IPS, Gate, etc.,
- ✓ Battery Operated Vehicle used for Shuttling within the Campus
- ✓ Rural Students Empowerment
- ✓ Students are motivated and sponsored to participate and present papers in national and international conferences.
- ✓ Students are enthused and registered in the globally active professional association to augment their real-world exposure.

- ✓ Our Engineering student projects has been funded by various organizations like The Tamil Nadu State Council for Science and Technology (TNSCST) & Institution of Engineers (India) .
- ✓ Experts from various universities are invited to interact with students to make them aware of various avenues available in abroad for their higher education.
- ✓ The students participated actively in the model making, paper presentation and distributed prizes.
- ✓ Courses like VMware, Oracle, Kotlin for Mobile application development has been taught through Centre of Excellence.

**7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year**

- ✓ Faculty members are being awarded cash prizes for their publications, university results, book publishing.
- ✓ Faculty improvement programmes like refresher programmes are arranged to motivate faculty towards quality teaching.
- ✓ E-learning, NPTEL video lectures and content management system
- ✓ Remedial classes, tutorial courses are conducted to make up for weak and slow learners.
- ✓ More emphasis is given on Research activities and publication of research papers by faculties and students in the conferences/seminar/journals.
- ✓ ICT is employed in teaching-learning process.

### **7.3 Give two Best Practices of the institution**

#### **BEST PRACTICE – 1**

#### **HiYES – Hindusthan Youth Empowerment Series**

##### **Objective of the Practice**

- ✓ Organizing events involving International Speakers and Eminent Personalities to have access to their knowledge and views
- ✓ To provide specialized knowledge sharing to enhance the knowledge in teaching and learning processes.

##### **The Context**

- ✓ To enrich the knowledge with external sources of inspiration.
- ✓ To elicit interest in understanding the need of the society and make students perceive and perform their role in the society.

##### **The Practice**

- ✓ Programmes are conducted regularly in which International Speakers and Eminent Personalities like Shiv Khera, Kiran Bedi, Shiva Ayyadurai, The Mumbai Dabbawalas etc., shared their knowledge and experience with our students.
- ✓ Last year, Dr. Radhakrishnan Pillai from the University of Mumbai, Department of Philosophy who is the founder- director of Chanakya Institute of Public Leadership (CIPL) orated to the students of Hindusthan.

##### **Evidence of Success**

- ✓ Stimulating the hidden leadership and managerial acumens.
- ✓ Students and Faculty members gain more knowledge about the recent advancement in the outside world and understand the need for their contribution to the society in general.

## **Problems encountered and resources required**

Since this practice involves International Speakers and Eminent Personalities, time taken for organizing, fixing their appointments, coordination of the event with the regular activities of the institution are a few problems encountered.

## **BEST PRACTICE – 2**

### **To enhance research potential of faculty members**

#### **Objective of the Practice**

The aim of this particular practice is to provide necessary infrastructure, human resources and motivation to nurture the research competencies among the faculty members.

#### **The Context**

- ✓ The college offers Six Under graduate programmes, Four Post Graduate programmes. It is the responsible of faculty members to inculcate effective learning methodology in their students to understand various engineering concepts.
- ✓ To accomplish this, they need to be creative and innovative in their approach to teaching / learning activities and should possess holistic idea about the subjects what they taught, which requires some level of research competencies in the teaching faculty members.

#### **The Practice**

- ✓ The Institution –Industry interaction cell has been established.
- ✓ The institution encourages the faculty members to publish the research papers, attending national/ International conferences and to carry out consultancy work.
- ✓ The faculty members are encouraged by providing the cash incentive to those who publish research articles in national/ International journals.
- ✓ They were sponsored to attend the national/ International conferences in India/Abroad.

- ✓ The cash incentives are provided to those faculty members who are doing the consultancy work based on the amount and nature of work.
- ✓ As many as MoUs have been signed between the institution and various industries to carry out the research and consultancy activities. MoUs are also signed between foreign Universities also to expose the faculty members to the current research areas.

### **Evidence of Success**

- ✓ The number of Ph.D., degree holder in the institution has been increased considerably.
- ✓ The results of above said practice increases the number of papers published by the faculty members.
- ✓ A lot of research projects have been sanctioned to our institution for doing the research by the faculty members.

### **Problem Encountered and Resources Required**

- ✓ The staff members are finding it difficult to find the time to carry out this type of activities due to their academic commitment.
- ✓ Staff members are given permission to stay in the campus to carry out the research activities.
- ✓ Laboratories, e-learning facility and computer aided packages are required for which contribution from the Management and money collected from sponsoring institution have been used.

## **7.4 Contribution to environmental awareness / protection**

### ***Energy conservation:***

- ✓ All floors are checked if lights, fans, and ACs are unnecessarily on.
- ✓ Internal Workshops are conducted on Energy Conservation for general awareness on energy conservation and sustainability.
- ✓ A sticker promoting an encouraging switching of lights and fans is put up at every level to save power.
- ✓ All the Computers in the campus are with LCD monitors only

- ✓ Food waste from the mess is disposed of properly, so to be used for bio gas plant.

#### ***Use of solar energy***

- ✓ Use of Solar energy for internal usage is planned.
- ✓ Solar water heaters are installed in the hostels.

#### ***Efforts for Carbon neutrality:***

- ✓ Campus has a large green coverage which acts as a natural carbon sink.
- ✓ The College at its own level has taken up certain preventive measures to check the emission of carbon dioxide.
- ✓ The deceased leaves and waste paper are not burnt in the campus and instead they are put into compost pits.
- ✓ All the vehicles are regularly checked for pollution control to restrict carbon emission and other hazardous wastages.

#### ***Plantation:***

- ✓ The college has a serene green campus comprising of a variety of trees and plants.
- ✓ The Trees are planted and the college organizes programmes through NSS activities every year to inculcate this tradition amongst the students.
- ✓ The saplings are also planted through eco-clubs.

#### ***Hazardous waste management:***

- ✓ The main hazardous waste is plastic. This waste is minimized at the originating point itself by emphasizing the concept of zero plastic zones. The sanitary napkins, condemned batteries and other hazardous wastes are disposed through outside agencies.
- ✓ The Institute has tie up with the local Municipality Corporation for the disposal of wastage of different types.
- ✓ The Institute takes all the care regarding the chemicals or other materials which may turn out to be hazardous in nature. The department of chemistry is the only place where a few concentrated acids are stored for utilization in the B.E./ B.Tech. First year Lab. These chemicals are used by the students during their lab classes in extremely dilute form which do not cause any harm to the students or environment.

- ✓ In view of the extremely dilute form of acids used by the students in the lab, the waste water is drained out properly.

***E-waste management:***

- ✓ The college has emphasis on paperless office to save carbon emission in printers. The non-working computer spare parts and other non-working equipment are safely disposed outside. Buy back policy is available. The cartridge of laser printers are refilled outside the college campus

**7.5 Whether environmental audit was conducted?**

Yes  No

**7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)**

N/A

**8. Plans of institution for next year**

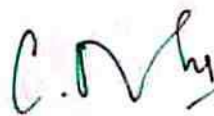
- ✓ College has applied four UG Courses for the NBA Accreditation
- ✓ To encourage the students to become entrepreneurs. It refines the entrepreneurial skills like idea generation, opportunity evaluation, business modelling, cash flow, forecasting, negotiation & sales skills through hands on training, programs, mentoring and campus start-ups.
- ✓ To encourage all the Faculty members to hold a Ph.D degree.

*Name: Dr.P.PRATHAP*



*Signature of the Coordinator, IQAC*

*Name: Dr.C.NATARAJAN*



*Signature of the Chairperson, IQAC*