

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

AQAR for the year (for example 2014-15)

2015-2016

I. Details of the Institution

1.1 Name of the Institution

Hindustan Institute of Technology
and Science (HITS)

1.2 Address Line 1

Post Box No.1,Rajiv Gandhi Salai (OMR)

Address Line 2

Padur Via Kelambakkam

City/Town

Chennai

State

TamilNadu

Pin Code

603103

Institution e-mail address

registrar@hindustanuniv.ac.in
info@hindustanuniv.ac.in

Contact Nos.

044-27474262/044-27474395

Name of the Head of the Institution:

Dr.S.Ramachandran
Vice-Chancellor

Tel. No. with STD Code:

044-67475004

Mobile:

9600075083

Name of the IQAC Co-ordinator:

Dr.V. Ravikumar

Mobile:

IQAC e-mail address:

iqac@hindustanuniv.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNUNGN60007

OR

1.4 NAAC Executive Committee No. & Date:

EC/64/A&A/35 dt 8.7.2013

(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:

www.hindustanuniv.ac.in

Web-link of the AQAR:

Sites.google.com/a/hindustanuniv.ac.in/iqac

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.82	2013	5

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

01 / 11 / 2012

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*)

AQAR (2013-2014) submitted to NAAC on 31.07.14

AQAR (2014-2015) Submitted to NAAC on 31.07.15

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 Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

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)

NA

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

Autonomy by State/Central Govt. / University

University

University with Potential for Excellence

-

UGC-CPE

-

DST Star Scheme

-

UGC-CE

-

UGC-Special Assistance Programme

-

DST-FIST

-

UGC-Innovative PG programmes

NIL

Any other (Specify)

-

UGC-COP Programmes

-

2. IQAC Composition and Activities

2.1 No. of Teachers

7

2.2 No. of Administrative/Technical staff

5

2.3 No. of students

-

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and
community representatives

-

2.7 No. of Employers/ Industrialists

-

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders:

No.	<input type="text" value="3"/>	Faculty	<input type="text" value="8"/>
Non-Teaching Staff /Students	<input type="text" value="10"/>	Alumni	<input type="text" value="3"/>
		Others	<input type="text" value=".."/>

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

1. Writing Research Proposals
2. Outcome – based Education
3. Research Methodology
4. Applying Funded Projects
5. Training for new Faculty members on accreditation Practices

2.14 Significant Activities and contributions made by IQAC

1. Emphasize various stake holders about the prime need of quality
2. Carried out feedbacks Analysis and Recommendations from stake holders
3. OBE Tests and Creation of Awareness

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
To Practise OBE For the Academic year 2015-2016	Has been Effectively Implemented
To Create Courseware Link Platform for all courses	Link has been created and it is being used effectively by all staffs
To Conduct Periodic refresher Program for faculty	Have been Conducted.
To conduct Internal Academic Audit for all Departments	Academic Audit for all departments have been done.
Online Feedback for students	Implemented
Faculty recruitment And Training	IQAC Involved in recruitment process and conducted Training programmes for the Newly recruited Staffs
Peer Review and External Audit	Implemented

2.15 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

I. 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	15	2	17	-
PG	24	-	24	3
UG	19	1	20	11
PG Diploma	1	-	1	-
Advanced Diploma	1	1	2	-
Diploma	3	-	3	2
Certificate	-	-	-	1
Others	-	-	-	-
Total	72	4	76	17
Interdisciplinary	17	1	16	15
Innovative	12	1	13	9

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

CBCS has been implemented from 2015 -2016.

Engineering Electives and Open Electives are Available for holistic learning of students.

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	All
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

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

**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.

- Regulation updated to provide 'Drop' provision for Engg elective courses.
- Syllabi updated /modified in all departments as per the needs.
- Engg electives are offered on emerging fields and also in fields that undergo a constant revision.

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

- i. Centre for Autonomous Systems
- ii. Centre for Autotronics.
- iii. Centre for Sustainable Technologies.
- iv. Centre for Simulation Engg and Design.
- v. Centre for Artificial Intelligence.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
405	261	51	66	24

2.2 No. of permanent faculty with Ph.D.

112

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
36	0	12	0	11	0	4	0	63	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	36	-
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	38	34	46
Presented papers	44	41	51
Resource Persons	09	22	21

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

- Online Courseware.
- Last hour is mandated as remedial class for all programs.
- Comprehension course in 6th semester to recap all the foundation courses.

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

185 Days

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

- i. Bloom's taxonomy employed for Question paper setting
- ii. Assesment based on spot quiz ,seminars and paper presentation
- iii. Management programs (MBA) have an assessment which relies on weekly output of students.

2.8.1 Evaluation process

(No Major Changes when compared to last Academic year .Some Minor changes have been highlighted)

General

Semester system is being followed for all courses

- Credit System and continuous assessment system is followed
 - * Unit tests, Quizzes, Assignments, Seminars and Model Examination (for all Theory subjects).
- Minimum Attendance for qualifying to appear for End Semester Examinations: 75%
- Weightage of Continuous and End Semester Evaluation:
 - * **Theory**: Internal Assessment : 50%
 - * **Theory**: End Semester Examination : 50%

- * **Practical:** Internal Assessment : 60 %
 - * **Practical:** End Semester Examination : 40 %
 - * **Project:** Internal review : 50 %
 - * End Semester Project review and Viva voce : 50 %
 - Minimum overall marks for a pass: : 45%
 - Grade system is being followed
- Weightage of Marks for Internal Assessment:

Test / Exam	Present Regulations
First Periodical Test	10
Second Periodical Test	10
Model Examinations	15
Assignments	10
Attendance	5
Total	50

Grade System:

Students Coming under Regulation 2015-2016:

Range of Marks	Letter Grade	Grade Points
90-100	S	10
80-89	A	09
70-79	B	08
60-69	C	07
50-59	D	06
45-49	E	05
<45	U	00

Salient features of Evaluation Process (Same Practice as last year being followed)

- Question papers are set by external experts except for PG programmes
- Pre-Examination Board to monitor the quality of the question papers set by external experts
- Multiple sets of Question papers are set.
- Evaluation of answer scripts are done by both external and internal faculty
- External squads regularly monitor the conduct of examinations
- Case identified as a malpractice is dealt with by the Examination Disciplinary Committee
- Random checking and valuation of evaluated answer scripts by a duly constituted team of experts

(Chief examiners and Valuation audit members) to check for correctness in valuation. This is to ensure fair practice.

- Examination results are published online
- Examination Grievance Cell committee to examine and investigate the complaints received from the student with regard to quality of the question paper, length of the question paper, etc.

Revaluation

- Students can apply for revaluation or photocopy cum revaluation within 15 days from the date of publication of results
- Students can apply for revaluation for any subject irrespective of whether he/she has failed in the subject or not
- Revaluation papers are reviewed by External examiners only
- Revaluation results are published within 15 days from the last day of receiving the applications for revaluation

Review of Answer Scripts

- Students can challenge revaluation result by applying for 'Review of Answer Script' within three days from the date of publication of revaluation results.
- The photocopy of the answer script is first evaluated by a subject teacher giving the breakup of marks for each question depending on the merit. Based on the evaluation, the subject teacher may/ may not recommend the answer script for review.
- If recommended for review, two senior external examiners will evaluate the same answer script simultaneously and results are published accordingly

Declaration of Results

Examination results are published through the University website. The results are published within 25 working days from the date of completion of the examinations. No further delay is caused in the announcement of examination results.

Transparency in the Evaluation Process

For the central valuation, each department nominates a panel of Examiners and Chief Examiner (s). The Chief examiners then assigns answer scripts to examiners based on their subject specialization and experience in teaching that subject. As a rule, subject handling teachers will not be given their subject answer scripts for valuation. Moreover, Chief examiners check a few papers at random to maintain fairness in the valuation process.

To maintain confidentiality, student's data viz. name and registration number are removed from the coding sheet of the answer booklet prior to valuation process. Marks obtained by students are directly scanned and used for result processing. No manual entry of marks is allowed.

Reforms

Valuation audit by the Deans of respective schools

Review of answer scripts.

Subject handling teachers will not be given their subject answer scripts for valuation.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop	201	139	149
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2.10 Average percentage of attendance of students	88%
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2.11 Course/Programme wise distribution of pass percentage : (End Semester Exam 2015

Sl.No	UG/ PG	Sem	BRANCH	No. Appeared	Percentage
1	UG	7	B.Tech.Civil Engineering	76	59
2	UG	7	B.Arch -Architecture (IX Sem)	68	99
3	UG	7	B.Tech.Mechanical Engineering	117	52
4	UG	7	B.Tech.Automobile Engineering	64	41
5	UG	7	B.Tech.Aeronautical Engineering	95	66
6	UG	7	B.Tech.Aerospace Engineering	112	59
7	UG	7	B.Tech.Electrical and Electronics Engg.	63	51
8	UG	7	B.Tech.Electronics and Communication Engg.	64	67
9	UG	7	B.Tech.Electronics & Instrumentation Engg.	22	50
10	UG	7	B.Tech.Computer Science Engineering	83	60
11	UG	7	B.Tech. Information Technology	18	72

12	UG	7	B.Tech.Chemical Engineering	3	100
13	UG	8	B.Tech.Civil Engineering	73	83.56
14	UG	8	B.Tech.Mechanical Engineering	117	83.76
15	UG	8	B.Tech.Automobile Engineering	64	75.00
16	UG	8	B.Tech.Aeronautical Engineering	94	75.53
17	UG	8	B.Tech.Aerospace Engineering	110	82.73
18	UG	8	B.Tech.Electrical and Electronics Engg.	61	88.52
19	UG	8	B.Tech.Electronics and Communication Engg.	64	85.94
20	UG	8	B.Tech.Electronics & Instrumentation Engg.	22	95.45
21	UG	8	B.Tech.Computer Science and Engineering	83	91.57
22	UG	8	B.Tech. Information Technology	18	77.78
23	UG	8	B.Tech.Chemical Engineering	3	100.00
24	UG	8	B.Arch -Architecture (X Sem)	67	94.03
25	PG	3	M.Arch - General	16	63
26	PG	3	M.Arch -Housing	20	50
27	PG	3	M.Tech.Structural Engineering	19	89
28	PG	3	M.Tech.Construction Engineering and Management	21	86
29	PG	3	M.Tech.Env Engg	9	100
30	PG	3	M.Tech.Automobile Engineering	24	96
31	PG	3	M.Tech.ComputerAided Design	4	100

32	PG	3	M.Tech.Internal Combustion Engineering	5	100
33	PG	3	M.Tech.Thermal Engineering	8	100
34	PG	3	M.Tech.Refrigeration & Air Conditioning	4	100
35	PG	3	M.Tech -Engineering Design	2	100
36	PG	3	M.Tech.Aeronautical Engineering	33	88
37	PG	3	M.Tech.Avionics	7	86
38	PG	3	M.Tech.Aircraft Maintenance Engineering	13	100
39	PG	3	M.Tech.Aeronautical Engineering (Composites)	5	100
40	PG	3	M.Tech -Aircraft Maintenance Engineering	4	100
41	PG	3	M.Tech -NanoTechnology	5	80
42	PG	3	M.Tech.Process Control & Inst.Engineering	3	100
43	PG	3	M.Tech.Communication Systems	5	100
44	PG	3	M.Tech.Power Electronics and Drives	1	100
45	PG	3	M.Tech.Power System Engineering	6	67
46	PG	3	M.Tech - Industrial Automation	2	100
47	PG	3	M.Tech - Robotics and Control	2	50
48	PG	3	M.Tech -VLSI &Embedded	5	80
49	PG	3	M.Tech.Computer Science and Engineering	5	80
50	PG	3	M.Tech.InformationTechnology	1	100

51	PG	3	M.Tech - Ethical Hacking	4	100
52	PG	3	M.Tech -Social Networking	2	100
53	PG	3	M.Tech - Internet Engineering	1	0
54	PG	3	M.Tech –Business Analytics	1	100
55	PG	3	Master of Business Administration	53	66
56	PG	3	MBA-Aviation Management	23	78
57	PG	3	MBA- Media and Entertainment	14	79
58	PG	3	MBA- Hospitality Management	5	100
59	PG	3	MBA- Hospital and Healthcare Management	14	100
60	PG	3	MBA-Defence Technology	4	100
61	PG	3	Master of Computer Applications	10	50
62	PG	3	M.Tech. Thermal Engineering (Part -Time)	4	100
63	PG	4	STRUCTURAL	20	100.00
64	PG	4	CONSTRUCTION ENGG.MANAGEMENT	21	95.24
65	PG	4	ENVIRONMENTAL ENGG.	9	100.00
66	PG	4	AUTOMOBILE	24	100.00
67	PG	4	ICE	5	100.00
68	PG	4	CAD	4	100.00
69	PG	4	THERMAL	8	100.00
70	PG	4	RAC	4	100.00
71	PG	4	ENGINEERING DESIGN	2	100.00
72	PG	4	AERONAUTICAL	33	96.97

73	PG	4	AVIONICS	7	100.00
74	PG	4	AIRCRAFT MAINTENANCE	13	61.54
75	PG	4	AERONAUTICAL(COMP)	5	100.00
76	PG	4	AIRCRAFT MAINTENANCE - NDT	4	100.00
77	PG	4	NANO TECHNOLOGY	5	100.00
78	PG	4	PROCESS CONTROL & INSTRUMENTATION	3	100.00
79	PG	4	COMMUNICATION SYSTEMS	5	100.00
80	PG	4	POWER ELECTRONICS & DRIVES	1	100.00
81	PG	4	POWER SYSTEM ENGINEERING	6	100.00
82	PG	4	INDUSTRIAL AUTOMATION	2	100.00
83	PG	4	ROBOTICS AND CONTROL	2	50.00
84	PG	4	VLSI DESIGN	5	100.00
85	PG	4	COMPUTERS SCIENCE & ENGINEERING	5	100.00
86	PG	4	CSE - INTERNET ENGINEERING	1	100.00
87	PG	4	INFORMATION TECHNOLOGY	1	100.00
88	PG	4	IT - ETHICAL HACKING	4	100.00
89	PG	4	IT - SOCIAL NETWORKING	2	100.00
90	PG	4	IT - BUSINESS ANALYTICS	1	100.00
91	PG	4	MBA(GENERAL)	53	96.23
92	PG	4	MBA(AVIATION)	23	91.30
93	PG	4	MBA(MEDIA)	14	92.86

94	PG	4	MBA(HOSPITALITY)	5	100.00
95	PG	4	MBA(HOSPITAL & HEALTHCARE)	14	100.00
96	PG	4	MBA(DEFENCE)	4	100.00
97	PG	4	MCA	20	100.00
98	PG	4	M ARCH (GEN)	16	93.75
99	PG	4	M ARCH (HOUS)	21	66.67

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

- Academic Auditing
- Periodic IQAC meetings with internal member.
- Random class visits
- Student Interaction
- Review of student /Peer feedback
- Review of curriculum revisions carried out by the department.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	85
Orientation programmes	113
Faculty exchange programme	12
Staff training conducted by the university	288
Staff training conducted by other institutions	90
Summer / Winter schools, Workshops, etc.	55
Others	-

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	210	0	21	0
Technical Staff	95	0	18	0

Criterion – III

3. Research, Consultancy and Extension

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

- Hands on training on database Management.
- Workshop on technical report writing and scientific communication.
- Workshop on writing project proposals.
- Colloquium by research scholars- 34 students shared their knowledge.
- Seminars by external experts- 2 Seminars

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	14	6	9
Outlay in Rs. Lakhs	18.84	359.25	158.02	455.16

3.3 Details regarding minor projects

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

3.4 Details on research publications: (2015-2016):

	International	National	Others
Peer Review Journals	270	80	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	160	-	-

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 (Rs in Lakhs)	Received (Rs in Lakhs)
Major projects	2015-2016	DRDO, SERB, BRNS, Newton Bhabha Fund	158.02	61.17
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2015-2016	HITS	18.00	10.00
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other (Specify)	-	-	-	-
Total			176.02	71.17

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 Inst	Level	International	National	State	University	College
	Number	1	4	Tamilnadu	Hindustan	-

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	22
	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
48	11	16	-	11	2	8

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

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

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	<input type="text" value="60"/>	State level	<input type="text" value="-"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.22 No. of students participated in NCC events:

University level	<input type="text" value="50"/>	State level	<input type="text" value="7"/>
National level	<input type="text" value="6"/>	International level	<input type="text" value="-"/>

3.23 No. of Awards won in NSS:

University level	<input type="text" value="1"/>	State level	<input type="text" value="1"/>
National level	<input type="text" value="-"/>	International level	<input type="text" value="-"/>

3.24 No. of Awards won in NCC:

University level	<input type="text" value="7"/>	State level	<input type="text" value="7"/>
National level	<input type="text" value="3"/>	International level	<input type="text" value="-"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="-"/>	College forum	<input type="text" value="-"/>
NCC	<input type="text" value="5"/>	NSS	<input type="text" value="11"/>
		Any other	<input type="text" value="-"/>

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

- At Manasu Ashram on 13.05.15..donated dresses, rice and counselled mentally challenged people
- Donated Dresses to school children at Kelambakkam on 09.07.15
- International Yoga Day at Veltech 21.06.15 with all the cadets of 1(TN)AIR SQN
- Swatchh Bharath at University and Kovalam Beach 06.03.2016
- Bone density checking and free dental camp
- Free medical check up for the staff and students
- Independence day celebrations
- Republic Day Celebration

- Fire Extinguishing Programme
- Flood Relief Activities
- Blood Donation Camp
- First aid Programme
- Anti- Ragging Programme
- Digital India Programme
- Inaugurated Rotary Community Corps.

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	38.02 Acre	-	-	-
Class rooms	164	43	-	207
Laboratories	88	7	-	95
Seminar Halls	10	0	-	10
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	40	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	564.93 Lakhs	-	-
Others(Vehicles)	-	393.34 Lakhs	-	-

4.2 Computerization of administration and library

Libsys is an integrated multiuser library management software, that caters to the needs of an advanced library and information professionals. It provides a tree structure system with each system comprising of several sub-systems having unmatched depth in functionality.

It has a powerful and user-friendly WEB-OPAC along with Windows-based OPAC.

It runs on various platforms such as WINDOWS (95/98/NT/2000/XP), UNIX (various flavors), LINUXM, etc. Further, it adheres to standards such as MARC and Z39.50 that makes it suitable for cooperative networking and resource sharing.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Rs in Lakhs)	No.	Value (Rs in Lakhs)	No.	Value (Rs in Lakhs)
Text Books	90665	45332500	1180	1657682	91845	1657682
Reference Books	12502	6251000	242	121000	12744	6372000
e-Books	32791	-	32791	-	65582	-
Journals	387	1800000	387	1800000	774	3600000
e-Journals	35917	7200000	35917	7200000	71834	14400000
Digital Database	17	7200000	17	7200000	34	14400000
CD & Video	2567	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1877	35	100 Mbps Airtel & 10 Mbps Spectrnet	-	-	-	-	-
Added	343	□	-	-	-	-	-	-
Total	1877	35	-	-	-	-	-	-

PrinterS & Scanners:192

Server: 21

CCTV Cameras: 151
No of Softwares: 81

Microsoft Open Value subscription, K7 centralised antivirus, Oracle academic Initiative,

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

45 mbps-100 mbps(1:1) leased line

4.6 Amount spent on maintenance in lakhs :

i) ICT	241.54
ii) Campus Infrastructure and facilities	736.13
iii) Equipments	235.45
iv) Others	88.18
Total :	1301.3

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Class committee meetings organized with department IQAC coordinators
- Academic Auditing
- Student Council has been inaugurated

5.2 Efforts made by the institution for tracking the progression

- Online Feedback
- Result Analysis
- Regular Monitoring and Periodical Reports.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5279	1487	Internal(PT)-7 External(PT)-23 Regular(FT)-12 Total-42	-

(b) No. of students outside the state

2320

(c) No. of international students

19

Men

No	%
4463.	67

Women

No	%
2303	33

Last Year						This Year (2016)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1650	80	17	53	-	1800	1593	65	19	236	-	1913

Demand ratio 1:4

Dropout % :0.61%

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

- Comprehension course
- Training Programs in collaboration with experts for competitive exam (TIME)

No. of students beneficiaries

63

5.5 No. of students qualified in these examinations

-	-	36	18
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NET SET/SLET GATE CAT
IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

Problem Addressed: Stress ,Academic Failures, Financial Problems, Career Guidance

Group Sessions: Substance use Awareness , Stress Management , Importance of life skills

No. of students benefitted

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
33	387	234 60.20%	53

5.8 Details of gender sensitization programmes

A grievance redressal committee for women is organised with the following duties and responsibilities.

- Bring about attitudinal and behavioural change in adolescent youth of the female gender.
- Ensuring equal treatment of and participation by women in all areas.
- Conduct programme for ladies to empower them financially, emotionally, mentally and physically.
- Deal appropriately with reported cases of sexual harassment, initiate action against particular grievances in respect of unfair treatment due to gender bias.

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	1211	Rs. 641.65 lakhs
Financial support from government	No support from Govt. since it is a Deemed to be University	
Financial support from other sources	Financial support from the Hindustan Engineering Training Centre (Parent Society) to present cash prizes to the Rank Holders	Rs. 16,00,000/- (Per year)
Number of students who received International/ National recognitions	95	

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 (Both NSS & NCC):

5.13 Major grievances of students (if any) redressed:

Student unrest due to wrong interpretation of regulations and it was addressed by conducting remedial classes to improve the internal performance.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To make Every Man a success and no Man a failure.

Mission: To inculcate comprehensive and contemporary principles of engineering and developing skills that will enable graduates to become leaders who can make significant, contributions to their profession and to the social environment, instilling the highest ethical standards and sense of professionalism

6.2 Does the Institution has a management Information System

- Exam cell has an integrated system for result analysis
- Dedicated email domain for Hindustan
- Attendance and Internal Marks
- Accounts has a separate Expenditure and revenue Mngement Software

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Stake Holders Involvement
- Formation of Curriculum Revision Committee (CRC)
- Migrated from Department Centric BOS model to a wide encompassing School Model

6.3.2. Teaching and Learning

- Feedback –Online and Paper Based
- Internal Academic Auditing
- Peer Review
- Course Committees

6.3.3 Examination and Evaluation

6.3.3 Quality improvement initiated in the Examination process

- Revised Question paper Patterns to accommodate OBE Practice.
- As Part of internalizing the end semester assessment, Exam papers are evaluated by the course teachers for engg electives.
- Plagiarism check by an online software.
- Enhanced Incentive

6.3.4 Research and Development

- Scholars can have Supervisors from abroad.
- The Doctoral Committee consisting of an External expert from Institutions like IIT reviews the work carried out by the candidate and suggestions are given.
- Reviews are conducted once in six months

6.3.5 Library, ICT and physical infrastructure / instrumentation

- ❖ Facility to Students/Faculty/Research Scholars to access all e-Journal at home (Remote Access)
- ❖ Fully Automated with LYBSYS Software
- ❖ OPAC /Web OPAC
- ❖ Barcode / RF Enabled Circulation and Surveillance
- ❖ Multimedia Enabled Digital Library
- ❖ Access to E-Journals / E-Books / E-News Papers / E-Question Bank/E-Proceedings
- ❖ NPTEL Video Lectures and Web Content
- ❖ D-Space Digital Library Open Source Software
- ❖ Library Web Site

6.3.6 Human Resource Management

- Faculty are given free membership in Recreation /Sports club
- Transportation for staffs working late.
- Research Activity Incentives
- Reimbursement of professional body membership fees for active participation

6.3.7 Faculty and Staff recruitment

- We are having competency matrix when the staff leave the institution or if the competency level is low. We are recruiting the staff based on the competency requirements.
- Based on work load

6.3.8 Industry Interaction / Collaboration

- Establishment of Corporate Training cell
- Field Visits.
- Industry Personnel as representatives in BOS and Academic Council
- Research Centres on Joint Venture (eg. SMC Pneumatics, Automation and Robotics)

6.3.9 Admission of Students

- HITS EEE online Exam.
- Educational Conferences and Fairs.
- Merit Scholarship is provided to the students with above 90% marks in higher secondary examination.

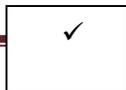
6.4 Welfare Schemes:

Teaching/Non	<ul style="list-style-type: none">• Staff members are given Provident Fund coverage as per the Employees Provident Fund and Miscellaneous Provisions Act, 1956. The staffs covered under the Provident Fund Scheme are eligible for Family Pension subject to the rules of the Provident Fund. Staff members who are exempted under this Act are also covered under the P.F.• Employee State Insurance scheme benefits are given to the staff members.• Personal Accident Insurance provided to all Staff members.• Staff quarters are provided at the minimum charges towards accommodation
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Teaching	<p>and electricity.</p> <ul style="list-style-type: none"> • A/c vehicle is provided to the HODs, Senior Faculty members from their residence to the University. • Free Transport for select faculty • Emergency loans are given to employees for medical emergencies / emergencies caused due to natural calamities. • Interest free loans. • Educational Advance for higher studies (Conditions apply) • Festival Advances are given to the Staff. • Housing Loan / Marriage Loans are given considering their service. • Free boarding and Lodging for Senior Professors, Staff holding Warden / Assistant Warden Post. • Free Family accommodation provided for senior faculty. • Gratuity is paid to the staff members as per the Payment of Gratuity Act. • Provision of a separate A/c Dining Hall for the benefit of staff members. • In the event of death of an employee, while in service his / her dependent will be considered for employment, depending on individual merits subject to the availability of the posts. (2 staff got employment since 2000). • The supporting staffs are given ex-gratia amount not exceeding one month Basic Pay and D.A during Deepavali festival. • Medical Clinic is available for the Staff and Students in the Campus. • Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines. Free Medical Camps are organized by the Campus Clinic for the benefit of the students and staff. • Senior staffs are given special permission to stay in the holiday homes belonging to the Institution at Kerala, Ooty, Delhi, Ranni, Pondicherry. • Staff and students are permitted free travel in aircrafts for Training Programmes, meetings, etc., • Free Internet facility. <p>Special permission to the staff participating in indoor or outdoor games during intercollegiate tournaments.</p>
	<p>The University offers the following students supportive services to address their grievances. The coordinator for each support service will do the follow up with student</p>

Students	<p>as well as Government agencies for effective functioning of the concerned cell :</p> <ul style="list-style-type: none"> • All students are covered under Group Insurance Scheme • The Equal Opportunity Cell • Grievance Redressal Cell & Ombudsman • Women’s Grievance Cell • Exam Grievance Cell • Anti Ragging Forum • Students’ Counseling and Mentoring • Remedial / bridge courses • Foundation courses / Basic Technical English course • Value Added courses • Rigorous Pre-placement Training and Internships • Scholarship (Sports, Merit and Economically Backward)
Students	<p><u>Campus facilities</u></p> <ul style="list-style-type: none"> • Excellent Infrastructure for Cultural & Sports Activities • Yoga, Aerobic Activity Club, Well Equipped Gym • Water Sports • Campus restaurants / Fast Food Centre's, Coffee Shop • Internet Café • Counseling Centre with full-time counselor • ATM, Bank, Stores, Laundry, Stationery & General Stores in campus • Campus Clinic with full time Doctor & Nurse • Excellent Indoor Games / Out Door Games Facility • Eco-friendly Green Campus • Nature Club • On campus Hostels with A/C / Non-A/C rooms for 1500 students • Fleet of 35 buses & several LMV for transportation of students and staff • Wi-Fi facilities • Air conditioned Guest House for parents

6.5 Total corpus fund generated : 5.2 Crores



6.6 Whether annual financial audit has been done Yes

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	-	Yes	Internal Team under Dean (Acad)
Administrative	Yes	-	Yes	ISO – Audit team conducts audit every year.

6.8 Does the University/ Autonomous College declares 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?

Refer 6.3.3

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

NA

6.11 Activities and support from the Alumni Association

- Alumni Meet for class of 1987-1991 Batch.
- Social Media Networking for Alumni Students.
- Sponsorship for student Initiated Programs.
- Alumni Newsletter “ MY HINDUSTAN” for Alumni Students.
- University operates the Hindustan Alumni Association (HITSAA), which has completed several years of active functioning since its installation in 1993. HITSAA is registered as a Society (Sl. No. 156/2014) under the Tamil Nadu Societies Registration Act 27 of 1975. HITSAA acts as a bridge between the alumni and the University, and provides a channel of communication for interactions between the current students, staff and alumni, for their mutual benefit.
- Membership of HITSAA comprises
 - All graduates of erstwhile Hindustan College of Engineering (HCE),
 - All graduates of Hindustan University - Hindustan Institute of Technology and Science (HITS)
- HITSAA operates three International Chapters at Dubai UAE, Muscat, Sultanate of Oman and Bhutan. The local chapter exists at Chennai.
- Hindustan University Alumni Portal is available at <https://hindustanuniv.ac.in/alumni.php>. HITSAA Office is situated in the campus and is operated by the alumni.
- HITSAA Database is constantly updated through telephone and email campaigns by the respective Department Alumni Coordinators and student teams. Currently the database has about 9500 alumni records.
- HITSAA Executive Committee consisting of 10 alumni from different batches, meets every semester to dwell upon the activities undertaken and plan the activities for the forthcoming season. As per one of the HITSAA objectives, alumni take part in the Hindustan Technology Business Incubation and Hindustan Entrepreneurship and Innovation Centre by mentoring and inspiring the student members.

6.12 Activities and support from the Parent – Teacher Association

- We have periodic Parent – Teacher meetings department wise at the University. So that clarification raised by the parents is cleared.
- The Parent – Teacher association is bringing student related issues to the notice of Management to address the problem and to ensure the students are studying without any stress in the University.

6.13 Development programmes for support staff

- Hands on exercise on computer tools for documentation.
- Soft Skills Training program.

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

- Litter free Zone.
- Plastic free Zone.
- Solar Power system has been installed.
- Waste water Treatment plant.

Criterion – VII

7. Innovations and Best Practices

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

- Engg Electives- Students have given a favourable feedback as it provides them an opportunity to learn about interdisciplinary courses
- Foreign language Programs

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

Vision 2025 Document has been Prepared.

7.3 Give two Best Practices of the institution

- Sponsorship to faculty for national and International travel to enhance the institution's visibility.
- Active MOU's with international partners and numerous faculty members and students benefitted.

7.4 Contribution to environmental awareness / protection

- Functional Solar Plant
- Waste generated in the institution is segregated and composted

7.5 Whether environmental audit was conducted? Yes No

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

- (i) The Institute has made MOUs with a number of Industries for Joint Programs.
- (ii) Tie-ups with a number of foreign Universities for Collaboration.

7.4 Contribution to environmental awareness / protection

- Functional Solar Plant
- Waste generated in the institution is segregated and composed

7.5 Whether environmental audit was conducted? Yes No

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

- (i) The Institute has made MOUs with a number of Industries for Joint Programs.
- (ii) Tie-ups with a number of foreign Universities for Collaboration.

8. Plans of institution for next year

- Improving Infrastructure .
- Improving Industry Academic Partnership.
- Improving access to global information resources
- Initiating public private partnership.
- Improving International Collaboration

Name Dr. V. Ravikumar

Name Dr. S. Ramachandran


Signature of the Coordinator, IQAC
29/7/2016


Dr. S. Ramachandran
Vice - Chancellor
HINDUSTAN UNIVERSITY
Signature of the Chairperson, IQAC
Kelambakkam,
Chennai - 603 103.