



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE
Name of the head of the Institution		Dr. K. P. Issac
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04427474262
Mobile no.		9840540404
Registered Email		vc@hindustanuniv.ac.in
Alternate Email		iqac@hindustanuniv.ac.in
Address		Post Box No.1, Rajiv Gandhi Salai (OMR), Padur, Kelambakkam
City/Town		Chennai
State/UT		Tamil Nadu
Pincode		603103

<b>2. Institutional Status</b>	
University	Deemed
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. N. Vasudevan
Phone no/Alternate Phone no.	04427474262
Mobile no.	9940519925
Registered Email	vc@hindustanuniv.ac.in
Alternate Email	iqac@hindustanuniv.ac.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://hindustanuniv.ac.in/iqac_hits.php">https://hindustanuniv.ac.in/iqac_hits.php</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://hindustanuniv.ac.in/">https://hindustanuniv.ac.in/</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.32	2016	16-Sep-2016	15-Sep-2021

<b>6. Date of Establishment of IQAC</b>	01-Nov-2012
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<b>7. Internal Quality Assurance System</b>
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Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Quality Assurance in Research	19-Aug-2017 1	67

OBE Workshop	02-Sep-2017 5	242
Workshop on Innovative Teaching Learning Practices	18-Sep-2017 5	84
Approaches to Outcome based Education	12-Dec-2017 4	113
Seminar on ISO Practice in Higher education	23-Jan-2017 5	123

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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View Link](#)

**10. Number of IQAC meetings held during the year :**

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

**12. Significant contributions made by IQAC during the current year(maximum five bullets)**

1. Ensure the Quality of Laboratory Class 2. Student Feedback Mechanisms on Quality 3. Faculty Feedback on Quality 4. Online courseware / LMS standardizations 5. Monitoring the conduct of classes 6. Feedback through Class committee meetings, student meetings, Parent meetings 7. Pre -placement training process 8. Staff Appraisal 9. Academic Audit 10. Enrichment of Curriculum 11. Accreditation and Ranking, AICTE, NBA, NIRF

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**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

Plan of Action	Achivements/Outcomes
To conduct Internal Academic Audit for all Departments	Academic Audit for all departments have been done twice and corrective actions are recommended
Online Feedback for students	Implemented
Peer Review and External Audit	Implemented
To strengthen the PBAS system	Implemented
To modernize the laboratories	Modernization plan and budget are allotted based on the advice of IQAC
To monitor the Curriculum Development process	IQAC has laid down well defined procedures for the new curriculum and syllabus for the year 2018 - 19
To Practise OBE For the Academic year 2017-2018	Has been Effectively Implemented
To monitor the NBA	Being Carried out. Applying for 6 programmes under Tier 1
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council Meeting	06-Oct-2018

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2018

Date of Submission

07-Jun-2018

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

1. Attendance Module 2. Assessment Module

Part B

**CRITERION I – CURRICULAR ASPECTS**

**1.1 – Curriculum Design and Development**

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	11010	Electronics and Communication Engineering Specialization in Bio medical Engineering	17/06/2017
BSc	91004	Fashion Design	20/01/2018

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Electrical and Electronics Engineering	15/06/1992	EEB201 Electromagnetic Theory	03/07/2017
BTech	Electrical and Electronics Engineering	15/06/1992	EEB 202 Electrical Machines - I	03/07/2017
BTech	Electrical and Electronics Engineering	15/06/1992	EEB203 Electronic Circuits	03/07/2017
BTech	Electrical and Electronics Engineering	15/06/1992	EEB204 Measurements and Instrumentation	03/07/2017
BTech	Electrical and Electronics Engineering	15/06/1992	SSA231 Aptitude III	03/07/2017
BTech	Electrical and Electronics Engineering	15/06/1992	EEB231 Electrical Machines Laboratory- I	03/07/2017
BTech	Computer Science Engineering	16/06/1993	CSB201 Design and analysis of algorithms	03/07/2017
BTech	Computer Science Engineering	16/06/1993	CSB202 Java Programming	03/07/2017
BTech	Computer Science Engineering	16/06/1993	ECB202 Digital Systems	03/07/2017
BTech	Computer Science	16/06/1993	ITB203 Microprocessor	03/07/2017

Engineering

&Computer  
Architecture[View Uploaded File](#)**1.2 – Academic Flexibility**

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Food Technology	03/07/2017
Mtech	Robotics and Mechatronics	03/07/2017
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Food Technology	03/07/2017
Mtech	Robotics and Mechatronics	03/07/2017

**1.3 – Curriculum Enrichment**

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Fundamentals of Nanoscience	21/08/2017	80
Basics of Engineering Economics and Cost Analysis	21/08/2017	80
Concepts of Total Quality Management	21/08/2017	80
Concepts of Digital Marketing	21/08/2017	150
Basics of Management Science	21/08/2017	80
Concepts of Engineering Economics Financial Accounting	21/08/2017	80
Concepts of Management and Entrepreneurship	21/08/2017	80
Introduction to Mechanics of solids	21/08/2017	80
Concepts of Engineering Geology	21/08/2017	80
Introduction to Structural Analysis	21/08/2017	80

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field
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		Projects / Internships
BTech	Aeronautical Engineering	295
BTech	Civil Engineering	54
BTech	Electronics and Communication Engineering	148
BTech	Aerospace Engineering	87
Mtech	Construction Engineering and Management Project	4
Mtech	Structural Engineering	7
Mtech	Environmental Engineering	3
BTech	Computer Science and Engineering	174
BTech	Chemical Engineering	16
BTech	Biotechnology	11
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?  
(maximum 500 words)

Feedback Obtained
<p>The feedback is collected from students for all the courses through online feedback system. The course feedback is collected twice in a semester called as Mid Semester feedback, End Semester feedback as scheduled in the academic calendar. The feedback form consists of performance of the staff, infrastructure, laboratory / library facility, Books availability, Curricular, Cocurricular and ExtraCurricular facilities. An Averages of 80 students have participated in this process. The feedback core is shared with the teacher and Head of the department for selfanalysis and corrective measures, if any. The teachers who have secured more than 90 feedback score is appreciated through certificates during the various events in the university and are provided with the opportunity to share their skills with the others. The teachers who have secured less than 60 score are given additional training to improve their ability. The corrective measures are suggested to the concerned for necessary action. Besides the Course Feedback, the course exit feedback is also taken at the end of course in a semester for all the courses by the respective faculty member. The course exit survey data is analyzed in the course committee and the suggestions are placed in Curriculum Review Committee (CRC) for corrective action. Feedback from Alumni: Feedback form was circulated to all alumni and collected their feedback in terms of academics, placement, skill development c. The feedback is utilized to improve the teaching methodology and campus</p>

placement facilitation. Feedback from Parents: Parents meet was conducted in different departments and collected their opinion. They requested to arrange more awareness program to the students like drug abuse, safe driving etc. They requested to inform the progress of their ward periodically in terms of academic performance, attendance, discipline etc. Feedback from employers. Feedback from employers regarding the skills of the students were obtained and in turn used for refining the training methodology of the students. The inputs regarding the syllabus and curriculum is obtained and used for further revision.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Aeronautical Engineering	320	623	312
BTech	Aerospace Engineering	120	202	104
BTech	Automobile Engineering	120	320	123
BTech	Biotechnology	20	35	17
BTech	Chemical Engineering	30	42	26
BTech	Civil Engineering	60	96	63
BTech	Computer Science and Engineering	300	542	268
BTech	Electrical and Electronics Engineering	45	90	46
BTech	Electronics and Communications Engineering	180	333	174
BTech	Information Technology	90	145	80

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### 2.2 – Catering to Student Diversity

#### 2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	1868	248	441	29	16

### 2.3 – Teaching - Learning Process



2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
486	486	513	138	22	16
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Institute has a mentoring system for student's academic enrichment includes Professional guidance, Career advancement, Academic opportunities, Sports, Curricular and Extra Curricular activities. An effective student mentoring system has been placed in the institution. A mentor is being appointed for a batch of maximum 15 students while the students are getting admission in the institute. The mentor is mentoring the mentees since join in the institute till their completion of the program. The mentor meets the mentee at least twice in a month. The mentoring includes Professional guidance, career advancement, and course selection in CBCS, course / laboratory specific, slow learning, absenteeism, poor academic performance, opportunities for the bright students, integrity, innovative, internationalism, professional socialization and personal support to facilitate success in Higher Education. The mentor maintains a database of their mentee includes personal details, academic performance, attendance, co-curricular / extracurricular participation / achievements, any other special remarks about the mentee and the details of students or parent meetings. The mentor also keeps track of student activities includes co-curricular, Extra Curricular achievements and Social activities, Attendance shortage, performance in the continuous internal assessment and the same is disseminated to the parents as and when required. The Institution has an ERP system to maintain the mentee's information digitally it provides access to the parents and students to know the performance in the institution and encourage to participate in all round development of the students. The parents will be periodically informed regarding the progress as well as challenges in the student's progress. If the mentor has identified that the students have certain personal or any other problem which requires an additional help to come, they would be directed to the Senior Counsellor/Institution Counselling cell through class teacher and HOD. The Institution counselling cell has full time professionally trained and certified counsellor for academic counselling. The Institution counselling cell scrutinizes case by case and suggests corrective measures, if necessary. The counsellor keeps confidentiality and follows ethical practices related to the field. The Counselling Cell provides training on "Academic counselling" to the staffs once in a semester. The newly joint staffs are given training on "Academic Counselling" through orientation programme before they start doing their counselling. A group counselling on "Anti Ragging" is also organized in every ODD semester which resulted in this institution as a ragging free campus for more than a decade.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6712	486	1:14

**2.4 – Teacher Profile and Quality**

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
504	486	18	40	125

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2017	Dr A K Parvathy	Professor	Excellence in R D

2017	Dr A K Parvathy	Professor	Distinguished Faculty
2017	Dr.V.Ceronmani Sharmila	Professor	DSCI Excellence Awards
2017	Dr. D Dinakaran	Professor	Research Award
2017	Dr. R. Sundararajan	Associate Professor	Young Scientist Award - Contribution in the field of Mathematics
2017	Dr. M M Ramya	Professor	Research award for funded projects
2017	Dr.K.Sakthidasan	Professor	Outstanding Reviewer in Elsevier Computers and Electrical Engineering Journal
2017	G. Ravikumar Solomon	Professor	Encouragement award
2017	Dr.J.Thangakumar	Professor	Best Faculty of the Year
2017	Dr.K.Sakthidasan	Professor	BEST FACULTY AWARD - 2017 in 6th National Summit on "Education, Employability, Employment, Entrepreneurship (4Es)"

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	All Disciplines	VIII	21/05/2018	29/05/2018
BArch	Architecture	X	31/05/2018	12/06/2018
BBA	Nill	VI	09/05/2018	21/05/2018
Mtech	All Disciplines	IV	01/06/2018	12/06/2018
MBA	Nill	IV	01/06/2018	12/06/2018
MArch	Nill	IV	01/06/2018	12/06/2018

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
54	6238	0.008

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://hindustanuniv.ac.in/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
UG	BTech	All Disciplines	912	835	91.56
UG	BArch	Architecture	112	106	94.64
PG	Mtech	All Disciplines	64	64	100
PG	MBA	General	79	79	100
PG	MArch	Architecture	4	4	100
PG	MCA	Computer Applications	20	20	100
UG	MCA	Arts & Science	277	235	84.84

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://hindustanuniv.ac.in/>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. R. Sundara Rajan	Open Arms travel grant to attend ICM 2018	08/12/2017	Government of Brazil
International	Dr. Thangakumar	Faculty Exchange Fellowship	10/10/2017	Council of Turkey
International	Dr. P. Mohan kumar	Research Support Personnel Award	15/11/2017	Taylors University

International	Mr.S.Nandakumar	Master of Science in Renewable Energy	13/09/2017	Naresuan University Thailand
International	Dr T Sudalaimuthu	Faculty Exchange Fellowship	10/10/2017	Council of Turkey
International	Dr.PrabhuRaj S	Research Assistant	22/11/2017	Naresuan University Thailand
International	Dr Nageshwar Rao K	Research Assistant	22/11/2017	Naresuan University Thailand
International	Dr.Mahesh Kumar Reddy	Research Assistant	22/11/2017	Naresuan University Thailand
International	Mr.Nandakumar	Research Assistant	22/11/2017	Naresuan University Thailand
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Senior Research Fellow	1095	BRNS
Junior Research Fellow	1095	BRNS
Junior Research Fellow	730	MNRE
Junior Research Fellow	1095	NBHM
Junior Research Fellow	1095	DST
Teaching Research Associate	1095	HITS
Junior Research Fellow	1095	HITS
Junior Research Fellow	1095	DST
Junior Research Fellow	1095	DST
Junior Research Fellow	1095	DST
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### 3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	1	IET Funding	0.18	0.18
Any Other (Specify)	2	IET Funding	0.18	0.18
Major Projects	584	Combat Vehicles Research and	21.5	Nil

		Development Establishment (CVRDE, DRDO)		
Major Projects	1095	Naval Research Board (NRB, DRDO)	39.6	Nil
International Projects	730	Royal Academy of Engineering, U.K Partners: University of Northampton, U.K., INDSAT Corporation.	40.8	Nil
Any Other (Specify)	1	IET Funding	0.23	0.23
Any Other (Specify)	1	IET Funding	0.18	0.18
Any Other (Specify)	1	IET Funding	0.23	0.23
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### 3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
ANALYTICAL TECHNIQUES IN MOLECULAR BIOLOGY	CHEMICAL	10/07/2018
OPEN SOURCE SOFTWARE FOR ENGINEERS	CSE	10/07/2018
SPACE VEHICLE DESIGN	AERO	28/02/2018
GIS FOR URBAN DESIGN AND PLANNING	CIVIL	29/11/2017
INTERACTIVE SESSION ON SKILL DEVELOPMENT IN HYPERLOOP	HTBI	20/07/2017
Mentoring Session for developing Entrepreneurship Skills	HTBI	27/07/2017
ENTREPRENEURSHIP SKILLS - AN INTERACTIVE SESSION WITH DISTINGUISHED ALUMNI	HTBI	14/08/2017
"INNOVATE 2 WIN" UNLEASH THE TESLA IN YOU	AUTO	15/02/2018
TECH TALK "EARNING WHILE LEARNING"	LANGUAGES	12/03/2018
CREATIVE THINKING AND IDENTIFICATION OF BUSINESS OPPORTUNITIES	HTBI	14/03/2018
Interactive Session on Entrepreneurship-	HTBI	01/09/2017

Challenges and Opportunities

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Excellence in RD award	Dr. M M Ramya	Entrepreneurs hip council of India	28/08/2017	Teacher
Research Promotion Award	Dr. D Dinakaran	HITS	05/09/2017	Teacher
Encouragement award for RAE funding	Dr. M M Ramya	HITS	05/09/2017	Teacher
Teaching Excellence Award	Dr. M M Ramya	HITS	05/09/2017	Teacher
Encouragement award for RAE funding	Dr. RM Kuppan Chetty	HITS	05/09/2017	Teacher
Best Oral Presentation	A.S. Soubhagya	DKM College for Women	15/11/2017	Research Scholar
Entrepreneurs hip Society Council of India	Dr M M Ramya	Excellence in Research and Development Award	20/10/2017	Research
Encouragement award for RAE funding	Dr. RM Kuppan Chetty	RAE UK	19/02/2018	Research
Best faculty - Information Technology - Identity management	Mr. D. Karunanithi	Loyolo Campus, Chennai	21/03/2018	teacher
India Innovation Challenge Award	Dr. Vallikannu AL	DST Texas Instruments	27/03/2018	Teacher

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Hindustan Institute of Technology and Science	HTBI-HEIC	Self Supported	Bharatheeya Shubhakaanshinah	Mobile App Development	Nil
Hindustan Institute of Technology and Science	HTBI-HEIC	Self Supported	AERO2ASTRO	RD Startup building modelrockets	Nil

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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Aeronautical Engineering	1
Automobile Engineering	2
MBA	3
MCA	2
English	2
Information Technology	2
Library	2
Maths	3
Mechanical Engineering	4
Computer Science and Engineering	4

#### 3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	All Engineering Discipline	600	Null
International	School of Liberal Arts and Science	90	Null
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#### 3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
AERO	14
AUTO	5
CHEMICAL	9
CHEMISTRY	14
CIVIL	8
CSE	19
ECE	18
EEE	6
IT	11
MATHS	10
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#### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
PRES REGENERATOR	Published	201641023066	01/12/2018
ZERO DISTANCE VOTING MACHINE (ZEDIVOM)	Published	201641025512	02/02/2018

DESIGN OF EFFECTIVE COVER COOLING IN A SOLAR PV PANEL WITH BAFFLES CUM DISTILLATION SYSTEM	Published	201641023072	01/12/2018
PIEZO SPEAKER	Published	201641025509	02/02/2018
AN INNOVATIVE DEVICE FOR CAT INTRUSION WITH MOBILE ALERT MESSAGE SYSTEM USING GSM	Published	201641025529	02/02/2018
SMART HELMET FOR TWO WHEELER DRIVERS	Published	201641025527	02/02/2018
EARTHQUAKE RESISTANT COLD-FORMED STEEL BEAMS WITH FLY ASH CONCRETE ENCASED TRAPEZOIDAL CORRUGATED WEB	Published	201641023067	01/12/2018
VLSI DESIGN OF HIGH SPEED ATM SWITCH PROCESSOR ON A CHIP	Published	201641023057	01/12/2018
EARTHQUAKE RESISTANT COLD-FORMED CONCRETE FILLED DOUBLE SKIN TUBULAR BEAM-COLUMNS STRENGTHENED WITH GFRP WRAPPING	Published	201641023078	01/12/2018
CHARGE TRANSFER CABLE	Published	201641023073	01/12/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Genetic Algorithm Optimizati on Based Nonlinear Ship Maneu vering Control	Gupta D.k., Vasudev K.l., Bhat tacharyya S.k.	Applied Ocean Research	2018	19	Hindustan Institute of Technology and Science	19
Growth	Ravi L.,	Applied	2018	17		17



Of Gallium Nitride Nanowires On Sapphire And Silicon By Chemical Vapor Deposition For Water Splitting Applications	Boopathi K., Panigrahi P., Krishnan B.	Surface Science			Hindustan Institute of Technology and Science	
Hot Tensile Properties And Constant Load Stress Corrosion Cracking Test Data Of Autogenous Weld Joints Of Super 304hcu Stainless Steel In Boiling Mgcl2 Solution	Kumar M.v., Balasubramanian V.	Data In Brief	2018	4	Hindustan Institute of Technology and Science	4
Impact Of Machine Learning And Internet Of Things In Agriculture: State Of The Art	Juhi Reshma S.r., Pillai A.s.	Advances In Intelligent Systems And Computing	2018	3	Hindustan Institute of Technology and Science	3
Impact Study On Sandwich Panels With And Without Stitching	Santhana krishnan R., Samlal S., Joseph Stanley A., Jayalatha J.	Advanced Composite Materials	2018	12	Hindustan Institute of Technology and Science	12
Analysis Of Composite	Gokulnath R.,	International Journal Of	2018	1	Hindustan Institute	1

Wing Spar With Cutouts For Tensile Load	Johnson S.s., Joshua J.j., Vijay M.	Mechanical Engineering And Technology			of Technology and Science	
Implementation Of Connected Dominating Set In Fog Computing Using Knowledge-upgraded Iot Devices	V. Ceronmani Sharmila., A. George	Knowledge Computing And Its Applications	2018	3	Hindustan Institute of Technology and Science	3
Improved Fault Ride Through Capability Of Dfig-wind Turbines Using Customized Dynamic Voltage Restorer	Sitharthan R., Sundarabalan C.k., Devabalaji K.r., Nataraj S.k., Kartikeyan M.	Sustainable Cities And Society	2018	87	Hindustan Institute of Technology and Science	87
Analysis Of Frontotemporal Dementia Using Texture Features And Artificial Neural Networks	Sandhya N., Nagarajan S.	Advances In Intelligent Systems And Computing	2018	1	Hindustan Institute of Technology and Science	1
Investigation Of Phase Structure Of Cobalt And Its Effect In Cemented Carbides Before And After Deep Cryogenic Treatment	Padmakumar M., Guruprasath J., Achuthan P., Dinakaran D.	International Journal Of Refractory Metals And Hard Materials	2018	24	Hindustan Institute of Technology and Science	24

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## 3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Impact Study On Sandwich Panels With And Without Stitching	Santhana krishnan R., Samlal S., Joseph Stanley A., Jayalatha J.	Advanced Composite Materials	2018	3	12	10
Implementation Of Connected Dominating Set In Fog Computing Using Knowledge-upgraded Iot Devices	V. Ceronmani Sharmila., A. George	Knowledge Computing And Its Applications	2018	4	3	1
Improved Fault Ride Through Capability Of Dfig-wind Turbines Using Customized Dynamic Voltage Restorer	Sitharthan R., Sundar abalan C.k., Devabalaji K.r., Nataraj S.k., Kart hikeyan M.	Sustainable Cities And Society	2018	16	87	23
Genetic Algorithm Optimization Based Nonlinear Ship Maneuvering Control	Gupta D.k., Vasudev K.l., Bhat tacharyya S.k.	Applied Ocean Research	2018	2	19	14
Growth Of Gallium Nitride Nanowires On Sapphire And Silicon By Chemical Vapor Deposition	Ravi L., Boopathi K., Panigrahi P., Krishnan B.	Applied Surface Science	2018	18	17	17

For Water Splitting Applications						
Hot Tensile Properties And Constant Load Stress Corrosion Cracking Test Data Of Autogenous Weld Joints Of Super 304hcu Stainless Steel In Boiling Mgcl2 Solution	Kumar M.v., Balasubramanian V.	Data In Brief	2018	5	4	1
Hydrogen Production From Sulphide Wastewater Using Ce <sup>3+</sup> , -tio <sub>2</sub> Photocatalysis	Bharatvaj J., Preethi V., Kanmani S.	International Journal Of Hydrogen Energy	2018	13	33	27
Impact Of Machine Learning And Internet Of Things In Agriculture: State Of The Art	Juhi Reshma S.r., Pillai A.s.	Advances In Intelligent Systems And Computing	2018	8	3	1
Analysis Of Frontotemporal Dementia Using Texture Features And Artificial Neural Networks	Sandhya N., Nagarajan S.	Advances In Intelligent Systems And Computing	2018	1	1	1
Analysis		Internat	2018	2	1	1

Of Composite Wing Spar With Cutouts For Tensile Load	Gokulnath R., Johnson S.s., Joshua J.j., Vijay M.	ional Journal Of Mechanical Engineering And Technology			
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### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	23	34	4	39
Presented papers	11	33	17	60
Resource persons	2	16	8	24
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr.D.Dinakaran	Development of Ultra Response Gas purging system	Microwave Tube Research Development Centre(MTRDC ,DRDO), Bengaluru	980500
Dr.G.Ilavazhagan	Redesigning of Web	Happy NZ tours, Auckland, New Zealand	13965
No file uploaded.			

#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mr.Edward Kennedy	Wave training course	Aluminium Bahrain, B.S.C.. P.O. Box 570, Kingdom of Bahrain. (973) 1783 0000 (973) 1783 0000	3245895	1000
Mr.Miltan John	Data mining	Evergreen Shipping Agency (India) Private Limited, Old No.39 New, No.75, TT Krishnamachari	183937	200

		Rd, Alwarpet, Chennai, Tamil Nadu 600004		
Mr.Edward Kennedy	Reach Truck Training Courses	Aluminium Bahrain, B.S.C.. P.O. Box 570, Kingdom of Bahrain. (973) 1783 0000 (973) 1783 0000	2456145	500
Mr.Miltan John	Film shooting	Chennais Visualite film Institute, 117/138, Second Floor, above Unique furniture, Nelson Manickam Road Opp. Metha Bus stop, Aminjikai, Chennai, Tamil Nadu 600020	1072611	200
Mr.Miltan John	Software testing on Virtual mode system	Flextronics Technologies Pvt Ltd, No 143, Rmz Millenis Business Park Campus II 6th 7th 8th, Dr Mgr Road, Kandanchavadi, Chennai - 600096	1072611	120
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### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Sudhandhira Bharatham	NSS	14	50
Swachh Phakwada	NSS	10	100
Blood Donation camp	NSS	40	673
SWASTH	NSS	16	200
OMR RUN	NSS	14	650
Rotary Youth Leadership camp	NSS	7	120

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
All India Vaayu Sanik Camp	Recognition	DG NCC, DELHI	4
All India Vaayu Sanik Camp	Recognition	DG NCC, DELHI	3
All India Vaayu Sanik Camp	Recognition	DG NCC, DELHI	5
All India Vaayu Sanik Camp	Recognition	DG NCC, DELHI	6

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	NSS	Swachh Bharat	10	113
Swachh Phakwada	NSS	Swachh Phakwada	10	100

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**3.7 – Collaborations**

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Guest Lecture on Surface Engineering	UG Mech II Year students	Nil	1
International Seminar on Space Odyssey III	UG Aero students	Nil	1
International Conference on Robotics, Automation and Non Destructive Testing	PG students	Nil	2
National Mathematics Talent Contest -2018 (NMTC)	Faculty	Nil	1
Project Design Competition	Faculty	Nil	1
Workshop on Technology and service neural approach for mobile enabled IOT devices	UG and PG students	Nil	1

Seminar on Factories 4.0 and Beyond	UG III year students	Nil	1
Guest Lecture on wireless 5G Technology Evolution	III year ECE students	Nil	1
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry Interaction	Internship for students	Nokia Solutions Networks India Private Ltd	20/11/2017	20/12/2017	10
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Nokia Solutions Networks India Private Ltd	20/06/2017	Research, Industry Collaboration	10
BOSCH Limited India	29/06/2017	Research, Industry Collaboration	15
Eversendai Construction Pvt Ltd	19/07/2017	Research, Industry Collaboration	7
Frontier Lifeline Pvt Ltd	31/07/2017	Research, Industry Collaboration	4
Volkswagen Group Sales India Pvt Ltd	25/08/2017	Research, Industry Collaboration	15
The Sankara Nethralaya Academy (A Unit of Medical Research Foundation)	26/10/2017	Research, Industry Collaboration	25
IBM India Private Limited	19/02/2018	Research, Industry Collaboration,	50



		Internship	
CADD Centre Training Services Pvt Ltd	28/02/2018	Research, Industry Collaboration, Internship	25
HTC Institute of Technology Management Research	18/04/2017	Research, Industry Collaboration, Internship, Academic	25
Rane TRW Steering Systems Ltd	30/04/2018	Research, Industry Collaboration, Internship, Academic	15
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
9915.82	4957.91

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
No file uploaded.	

### 4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Ecoleaide	Fully	Null	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	94150	27058508	4307	1939563	98457	28998071
Reference Books	11639	2089874	256	175486	11895	2265360

e-Books	154084	2590245	2456	724815	156540	3315060
Journals	272	14152552	21	1972162	293	16124714
e-Journals	43491	2859669	1792	2885284	45283	5744953
Digital Database	8	14442275	8	1359976	16	15802251
CD & Video	3102	145832	Null	Null	3102	145832
Weeding (hard & soft)	1102	275500	112	28332	1214	303832
Others(s pecify)	83505	35596918	422	158883	83927	35755801
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. SudalaiMuthu T	Cyber Security	Institutional LMS (uLektz)	01/06/2018
Dr. Thangakumar J	Design and Analysis of Algorithms	Institutional LMS (uLektz)	01/06/2018
Dr. Linda Joseph	Artificial Intelligence	Institutional LMS (uLektz)	01/06/2018
Dr. Ceronmani Sharmila	Cryptography and Network Security	Institutional LMS (uLektz)	01/06/2018
Dr. Sundarajan, Maths	Graph Theory and Applications	Institutional LMS (uLektz)	01/06/2018
Dr. Linda Joseph	Grid and Cloud Computing	Institutional LMS (uLektz)	01/06/2018
Dr. Satyalakshmi	Theory of Computation	Institutional LMS (uLektz)	01/06/2018
Dr. P .Ranjana	Advanced Data Structures	Institutional LMS (uLektz)	01/06/2018
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1758	30	200	1	3	1	0	200	0
Added	143	9	0	0	0	0	0	0	0

Total	1901	39	200	1	3	1	0	200	0
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS
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4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Media Centre	<a href="https://hindustanuniv.ac.in/">https://hindustanuniv.ac.in/</a>
Audio Visual Centre	<a href="https://hindustanuniv.ac.in/">https://hindustanuniv.ac.in/</a>
Lecture Capturing System	<a href="https://hindustanuniv.ac.in/">https://hindustanuniv.ac.in/</a>
Mixing equipment for editing	<a href="https://hindustanuniv.ac.in/">https://hindustanuniv.ac.in/</a>

**4.4 – Maintenance of Campus Infrastructure**

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
3915.45	2692.45	6000.37	5000.24

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution aims to provide an immaculate and conducive environment to foster knowledge amongst students and research scholars alike while helping the faculty and non-teaching staff to excel in their jobs. While academics becomes the sword arm in this endeavour "Admin" is a capable supporting arm that has accentuated the efficiency of the University. In order to achieve this objective, HITS has established a dedicated Administration Department which has standardised systems and processes for regular and timely maintenance as well as optimal utilization of structures, classrooms, laboratories, sports facilities, hostels, canteens, greens and turfs. At the policy level, all maintenance work is categorized into annual maintenance, routine maintenance and preventive maintenance. HITS policy mandates that all equipment including laboratory and computer systems either have up-to-date annual maintenance contracts or supported by well-trained in-house technical staff. Policies such as zero litter policy, no spitting policy, no smoking policy, which relate to public cleanliness and hygiene are strictly enforced as well. To efficiently and effectively implement the above policies, the Administration Department consists of the following functional divisions. Highest importance is given to Plumbing, Electrical, Water Sanitation, and Air-conditioning (AC). In each of these major portfolios, we have created specialized teams for immediate first response and action so that dependency on external agencies is minimized. All buildings are periodically inspected and painted fresh. The electricity department is equipped to ensure 24 x 7 continuous power supply with generators and Uninterrupted Power Supply (UPS) units as fail-over backup. The dual dimensions of Water Sanitation are to ensure safe drinking water with the help of fully serviced Reverse Osmosis (RO) filters and an environmentally friendly zero wastewater recycling system consisting of the three sewerage treatment plants. This recycled water feeds into maintaining the vast and lush greenery of the campus. HITS also ensures a zero waste campus with its staff ensuring complete conversion of food waste garden waste into compost to be utilized for Gardens and Farms. Central Air Conditioning is selectively provided through

well-maintained chiller plants, Air Handling Units (AHU), and ducts. Well-staffed housekeeping division is responsible for cleanliness hygiene in all the facilities within the buildings such as classrooms, laboratories, offices, libraries, as well as bathrooms. The horticulture and gardening division is responsible for tree plantation and their maintenance. Approximately 100 trees are planted every year with a survival of 92 - 95. The university employs a major work force for maintenance of pathways, lawns and other areas.

Specialized sports facilities such as gymnasium with its fitness equipment, swimming pool with powerful filtration and pumping system, tennis courts with synthetic turf and grass, are maintained by professionally trained personnel. The football grounds, cricket pitches, running tracks, are inspected for weather related degradation such as water logging, weeds, dry and dusty soil, and corrective measures are taken immediately. Campus clinics, ambulances and doctors are always available and medical facilities are regularly maintained throughout the year

<https://hindustanuniv.ac.in/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit/Merit cum Means/Sports Scholarship	2872	169285375
Financial Support from Other Sources			
a) National	Government and other sources	22	550000
b) International	Nil	Nil	Nil
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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skills Communication Skills	01/07/2016	842	Focus Academy Mr. Dinesh Mobile: 9840108444
Soft Skills Communication Skills	22/02/2017	986	Six Phrase Mr. Sasikumar Mobile : 9894462304
INTERNATIONAL YOGA DAY-2022	21/06/2017	467	The session was led by Ms Pallavi Latari Helwada, Faculty of Yogi Science Therapy, MAHER, Chennai, with a series of Pranayama, Asanas and Guided Meditation promoting healthier and stress-free

			living through Yoga.
Skill Development in Programming	21/10/2016	289	Mr.Arjun Arul Chennai Mathematical Institute, 91-44-6748 0900, of fice@cmi.ac.in99401 50402,
Effective Communication Skills in classroom	05/10/2017	664	In house faculty Hindustan
Workshop on Effective Communication Skills	14/06/2017	772	STEP, team Ms. Nithya, Ms.Vardhini and Ms. Githanjali, The Hindu
English Literary Club Debate on Demonetisation Drive by India	11/11/2016	439	Dr. badri naayanan , professor, SOM and Dr. Tony Joseph, Professor, SOM andCDTS HITS
In house communication skills workshop	09/01/2017	621	Inhouse English Department faculty HITS
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	GATE Training Academy	567	23	23	4
2018	GRE Training	256	0	0	0
2018	TOEFL	189	0	0	0
2018	Preplacement Training	255	314	12	508
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
26	26	5

5.2 – Student Progression

## 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Access Architects, Mumbai	58	4	Nil	Nil	Nil
<a href="#">View File</a>					

## 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech	Electronics and Communication Engineering	Jadavpur University/ Kolkata, West Bengal, India	M.Tech., VLSI and Microelectronics Design
2018	1	B.Tech	Electronics and Communication Engineering	Nanyang Technological University / Singapore	Master of Science (Integrated Circuit Design)
2018	1	B.Tech	Electronics and Communication Engineering	MVR College of Engineering and Technology / AP, India	Masters in Business Administration
2018	2	B.Tech	Electronics and Communication Engineering	University of Waterloo/ Canada	Electrical and Computer Engineering, MEng
2018	1	B.Tech	Computer Science Engineering	ABERTAY UNIVERSITY	MSC/PGDIP COMPUTER GAMES TECHNOLOGY
2018	1	B.Tech	Mechanical Engineering	Politecnico Milano, Italy Master of science-Mechanical Engineering	MASTER OF SCIENCE-MECHANICAL ENGINEERING
2018	1	B.Tech	Mechatronics Engineering	University of Leeds, UK	Msc(Eng) Mechatronics and Robotics
2018	1	B.Tech	INFORMATION	SRM University,	M.Tech. CyberSecurity

			TECHNOLOGY	Chennai	
2018	2	B.Tech	INFORMATION TECHNOLOGY	UNIVERSITY OF KOBLENZ.L ANDAU, Germany	Masters of Science in Web Science
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
Any Other	10
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Sports	National	158
Sports	University	87
Sports	State	186
Culturals	National	534
Cultural	State	142
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### 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	2nd Runner Solo singing	National	Nil	1	Nil	Ruth Sheela
2017	Medal Team Music	National	Nil	1	Nil	"Ruth Sheela S. Ajith Kumar Aviv Basil.C Harihar Sathyan Stephen William Yohann John & Christen Samuel"
2017	2nd Runner Team Dance	National	Nil	1	Nil	"Prashi Sachan Harshvardhan Samuel Xavier

						R.BHARGAVI Chaluvadi raja sai prudvi Joshua Dominic Joseph Abhiram Pr abhakaran Afshan R M uthukumara guru"
2018	Winner Solo Singing	National	Nill	1	Nill	Ajmal Babu
2018	Winner Solo Singing	National	Nill	1	Nill	Harish Chauhan
2018	Winner Individual Dance	Internat ional	Nill	1	Nill	Sasidharan
2018	Winner Individual Talent Hunt	National	Nill	1	Nill	Meher Dewan
2018	Runner up - Individual Talent Hunt	National	Nill	1	Nill	Rajasai .R
2018	Winner Dance Team	National	Nill	1	Nill	Nikita , Aihwarya,I rene, Swathi ,Rajvi, Sajnu Alex ,Raghul G,Dinesh K umar,Antho ny,Akash Dany & Rohan
Nill	First Place - Basketball Men	National	1	Nill	Nill	Deva Guru II - MBA SM-162 49011 Salew Kadete I - MBA - SM-1 7259004 Sasidharan I - B.Com- 17341029 Dheeraj I - B.Com-17



341034  
Shoaib  
Miyani I -  
B.Com-1734  
1030 Amrit  
heshwar II  
- BBA-1633  
9056 Hari  
Haran I -  
BBA-173390  
52 K. S. R  
adhkrishna  
n I -  
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Vigneshwar  
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2 Sabariva  
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- EIE-1512  
3005 Vijay  
Shankar II  
- MECH-161  
27050 Arun  
Kumar. R  
II - IT-16  
339056  
Anju  
Pavithran  
II - MBA S  
M-16249008  
Mohana  
Bala.T IV  
- EEE-1411  
7031  
Priyanka.G  
II - EEE-1  
6117019  
Kanaga  
Vaishnava  
Lakshmi.J  
IV - IT-14  
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Jasmine  
Mary. J II  
- IT-16132  
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S.Abinaya  
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Vaishali.R  
II - B.Com  
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Raksha MA  
II - B.Com  
-16341009  
Pavithra.P  
II - B.Com  
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Dharshini.  
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Prakash  
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A.Jane  
Tiggana  
III - B.Co  
m-15341036  
P.Raja  
Pandi III  
- B.Com-15  
341035  
Lasim Ali  
III - B.Co  
m-15341030  
K. Vinoth  
Kumar III  
- B.COM-15  
341031  
K.S.  
Prashit  
Guru IV -  
Civil-1410  
9058 Sugan  
Prabhu.S  
III - Chem  
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Muhammed  
Miqad IV -  
IT-1413203  
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Sreenath.R

						I - Mech-1 7127094 Prabakaran III - BBA- 15339062 Anish III - BBA-1533 9051 Anoop III - BBA- 15339031 Sonam Tenzin III - BBA-1533 9043 Karma Dawan III - BBA-1533 9064 Migma Dorji III - BBA-1533 9010 Ugyen Dorji III - BBA-1533 9011 Samson II - BBA-1633 9017
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Hindustan Students Council (HSC) plays an integral part in student management in the institution. It consists of 26 members representing different departments. It is a composite council with a wide variety of members from different states, languages, and cultures. It is a gender balanced council with an equal representation of boys and girls. The Members of the HSC are involved in all activities of the institution. Each student of the institution is linked to the university through Class Representatives (CRs). The grassroot democracy is fostered through the involvement of Class Representatives and HSC members. The bottom to top approach is fruitful in resolving the student grievances quickly. Bi-monthly meetings of Class Representatives are held in the department and their concerns and grievances are listened to and are taken up for resolving. The Class Representatives are connected to the HSC. The HSC takes lead in giving inputs for futuristic curriculum, innovations, path-breaking research, entrepreneurship and skill development. They are actively guided by the faculty. The timely representation of student issues by HSC helps the institution to bridge the gap in the academic process.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of registered Alumni:

1074

5.4.3 – Alumni contribution during the year (in Rupees) :

5.4.4 – Meetings/activities organized by Alumni Association :

4

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

**Decentralization Participative Management:** The institute has a well-defined decentralization policy in line with UGC and other statutory councils. The various stake holders which include students, parents, staff, alumni, industrialists and academicians are participating in the process of defining the policy, process and decision making through various committees. The faculty members are involved in Board of Management (BoM), Academic Council (ACM), Planning and Monitoring Board, Finance Committee and Board of Studies (BoS) and other committees. The students are participating in the Class Committee and give various feedback and suggestions. The same is reviewed by the committee and directed to the respective offices to do the needful. The Curriculum Review Committee (CRC) has obtained the feedbacks from the stakeholders in the process of curriculum development. The BoS consists of eminent industrialists, alumni, external academicians, and faculty of the department. The Academic Council has been constituted in line with UGC regulations. The institute encourage participative management in the institution governance. The Board of Management, Academic Council, Board of Studies, Finance Committee has participative roles of staff members, which are as follows. Board of Management : 3 Faculty Members Academic Council : 19 Faculty Members Board of Studies : 10 Faculty Members per school The institute has been very successful in implementing a decentralized model of governance. This model ensures participative management. The organogram of the institution is provided.

**Participative Management:** To ensure that the institutes policies and practices accurately represents the need of its stake holders, the institute involves all the stakeholders in the decision-making process for framing guidelines, rules, and regulations for smooth and systematic functioning of the institution. Board of Governors, i.e., the Board of Management meets regularly, and the proceedings are conducted in a transparent manner. The minutes of BOM, Academic Council and Annual reports are published in the Institute Website/ Circulated through mail. The relevant information is shared with the employees through various meetings / circulars. The Finance committee appraises the BOM pertaining to the finances of the institution. Budgetary provisions for the departments are made based on the requirements provided by the HOD. The Institution also publishes audited financial statements on its website. The Institution has in place several Committees / Sub-committees to continuously monitor / guide the academic and administrative activities. The IQAC of the institute monitors the activities of all Committees and Sub-committees. The committees comprise key stakeholders including Administrators, Faculty, Staff, Industry, Employer, Alumni, Parents and students. All the Heads of departments are members of the Academic council where major Academic / Administrative decisions are taken.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

### **6.2 – Strategy Development and Deployment**

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	<p>1. HITS EEE online Exam. 2. Educational Conferences and Fairs. 3. Merit Scholarship is provided to the students with above 90 marks in higher secondary examination. 4. Educational loan through leading banks</p>
Curriculum Development	<p>Stake Holder's Feedback 2. Formation of Curriculum Revision Committee ( CRC) 3. Migrated from Department Centric BOS model to a wide encompassing School wise BoS Model for nurturing the interdisciplinary curriculum. 4. Eminent people from industry, alumni, PG students, Research scholars, Employees, HoDs of interdisciplinary programmes, form the constitution of the Board of Studies. 5. The inputs from the CRC is reviewed by the BoS. 6. The items recommended by the BoS is validated by the IQAC and the same is sent back to the BoS for corrective actions, before approval of the Academic Council</p>
Teaching and Learning	<p>Online Courseware, Webinars, Virtual labs, Video lectures 2. Last hour is mandated as remedial class for all programs. 3. Comprehension course in 6th semester to recap all the foundation courses. 4. Outcomes Based Education Model (OBE) 5. Choice Based Credit System (CBCS) 6. Choice of NCGPA credits / Credit Transfer / MOOC equivalence 7. Online Assessments, LMS, Smart Class rooms 8. Flip Class room concepts 9. LTPS structure (Lecture: Tutorial: Practical: Self Study) 10. Modular course structure 11. Lab integrated with theory courses 12. Pre-requisites for elective courses 13. Uniformity in credits -- 180 credits for all B.Tech programmes 14. 10 credits under Non CGPA for Professional Development 15. Opportunity for the students to gain additional credits through MOOC 16. Flexible - CBCS - Wide choice of electives 17. Distinct Assessment Platform for various courses based on the uniqueness of the course 18. Inclusion of e-books, courseware, tutorial modules for each course 19. CO - PO mapping and Bloom's Level attainment for each course 20. Student learning Outcomes and Profiling for each course 21. Inclusion of mini projects for courses 22. Modernization</p>

of labs to accommodate the latest trends in industries. 23. Compulsory Industry 2 industry internships 24. Online surveys, quiz, tutorials, tests, seminars etc., 25. HITS MOOC / Webinars 26. Virtual labs / Project Based learning / Flip classes 27. Opportunities for students to earn additional credits by taking up Value Added courses / Audit courses offered by the Training department.

Examination and Evaluation

The Continuous internal Assessment system is designed in such a way that every faculty has the freedom to decide on their internal assessments based on the uniqueness of the course as approved by the Departmental Examination Committee (DEC). The DEC will decide on the nature of assessment like Quiz, MCQs, Field visits, mini projects, Team projects, Seminar, Online examinations etc., 2. The Question paper pattern is revised in accordance with the Learning outcomes by mapping the Course outcomes to Programme outcomes. The depth of assessment is specified in terms of Blooms Level and weightages are distributed accordingly. 3. The Question paper is designed in such a way that it caters to all the categories of the students. 4. The learning outcomes are measured at each and every stage of the continuous assessment process through analytics and profile is generated for every which focuses on the learning outcomes. 5. It is planned to issue two grade cards, one for the Formative Assessment Grade sheet and Summative Assessment Grade sheet. It is also planned to introduce Digital Valuation System for assessment, revaluation, photocopy of the answer scripts, in this academic year 6. In addition to that, the details of the Examination pattern, Grading and any amendments after the approval of the Academic Council, Board of Studies for the existing pattern will be informed to all stake holders by the Dean(Academics) through the respective Deans/HoDs. 7. The Office of the Controller of Examinations has its own examination Procedure manual which was drafted in consultation with the Vice Chancellor, Registrar, Dean(Academics) and all Academic Heads. The manual is transparent and the

Office of the Controller of Examinations religiously follows the procedure manual for implementation of all its activities. All matters (except the confidential matters) are being updated to the Deans/HoDs/Faculty Members through regular Office Notifications/Circulars/Orders. In addition to the above, these matters are discussed in the regular HODs Meetings. 8. The final End-Term Examination is coordinated and conducted by the Office of the Controller of Examinations. An Academic Calendar is prepared in the beginning of each Academic Year by incorporating dates of both Internal assessment and Final End-Term examinations. The same would be circulated to all the faculty members and students through the Deans/HoDs of all departments.

Research and Development

Scholars can have Supervisors from abroad. Reviews are conducted once in six months Plagiarism checking cell is formed for review of papers before submission for publications in Conferences and journals Research Incentive Schemes is introduced Programmes are conducted periodically for creating research culture UGC latest research regulations are followed Incentives for publications, awards, patents etc., Travel abroad scheme for Hindustan Employees

Library, ICT and Physical Infrastructure / Instrumentation

Library circulation activities namely issue and return of books are computerized in LIBSYS software system. 19 databases are available in library website to enable the research scholars to browse review of literature for their thesis. E-books and Online Journals are available in the website for library users. Barcode / RF Enabled Circulation and Surveillance Multimedia Enabled Digital Library

Human Resource Management

The institution has well laid policies for faculty, nonteaching staff recruitment and promotions. Efforts are made to upgrade the professional competency of the faculty through HR department and training department. Performance based appraisal was successfully implemented which helped the faculty to achieve better in their career. Orientation program was arranged to the new faculty members to be focussed on the vision and mission

	of the institution. The retention rate of faculty in the institution is high. Faculties are encouraged to attend FDP, Conferences/ workshops/ training programs to update their knowledge.
Industry Interaction / Collaboration	<p>Establishment of Corporate Training cell • Field Visits / Industry visits for faculty and students • Industry Personnel as representatives in BOS and Academic Council • Research Centres in collaboration with industries • Laboratory set up in collaboration with industries and institutions</p> <ul style="list-style-type: none"> <li>o Volkswagen Autotronics Lab</li> <li>o Yaskawa Robotics lab</li> <li>o SMC pneumatics lab</li> <li>o Clean Energy and Nano Convergence - Dongkuk University Korea</li> <li>o Yokogawa Process Control Lab</li> <li>o ADG Boeing flight mechanics lab</li> <li>o TIFAC core - Aircraft Maintenance Center</li> <li>o Orient Flights - Pilot Training Center</li> <li>o Newton Baba Fund for establishing Materials Science lab</li> <li>o Siemendes lab for Simulation and Design supported by Dassault System</li> <li>o Matlab Campus Supported by MATLAB</li> <li>o Siemens Software supported labs</li> </ul>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	All information including office orders and Inter Office Correspondence were communicated through institution email. All staff members are provided with exclusive official email ids. Digital Document Filing System has been successfully implemented to encourage paperless administration. All documents like policies, service rules, academic calendar, management handbook were uploaded in the institution website.
Administration	<p>The institution has implemented an ERP . It is equipped with all standard modules and features to cover all functionalities/activities of students, teachers, academics and so on.</p> <p><a href="https://erp.hindustanuniv.ac.in">https://erp.hindustanuniv.ac.in</a> ERP has the following modules:</p> <ul style="list-style-type: none"> <li>• Admission Management</li> <li>• Student Management</li> <li>• Staff Management</li> <li>• Payroll</li> <li>• Timetable</li> <li>• Student Attendance</li> <li>• Exam Management</li> <li>• Calendar/Diaries</li> <li>• Alerts and Notifications</li> <li>• Student Feedback/Grievances</li> <li>• Fee Collection and Fees Accounting</li> <li>• Transportation Management</li> <li>• Inventory and Stores</li> <li>• Library Management</li> <li>• Hostel Management</li> <li>• Student - Parent Portal Finance and</li> </ul>



	Accounts The accounts department has a separate software for recording and maintaining all finance related transactions.
Finance and Accounts	The accounts department has a separate software for recording and maintaining all finance related transactions.
Student Admission and Support	A separate CRM software has been deployed for maintaining all admission related data of the institution. Periodical communications regarding the admission application status is done through this software. All admissions related queries and report generations are handled through this software
Examination	The ERP software has a separate module for the maintaining the CIA and End Semester marks of the students. The end examination marks are entered in the software by OMR sheet and the results are processed.

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2017	DR. DILIP A SHAH	2nd International Conference on Frontiers in Automobile and Mechanical Engineering, at Sathyabama University, South India between 7th to 9th July.	NA	9000
2017	DR. VENKATA SUBRAMANIAN	International Conference on Networks and Advances in Computational Technologies, NetACT 2017	NA	9000
2017	DR. T. SUDALAI MUTHU	2017 International Conference on Computer Communication and	NA	7000

		Informatics, ICCCI 2017		
2017	DR.P.S.JOANNA	International Conference on M echanical,Mater ials and Renewable Energy, Sikkim,India	NA	7000
2017	DR. R. ASOKAN	International Conference on Advances in Materials and Manufacturing Applications (IConAMMA-2017) 17-19 August 2017, Bengaluru, India	NA	11700
2017	DR. D.G. HARRIS SAMUEL	International Conference on Advances in Materials and Manufacturing Applications (IConAMMA-2017)	NA	10900
2017	MR. ADARSH VIJAYAN PILLAI	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	NA	10000
2017	MR. N. KARTHIK	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	NA	9800
2017	MR. U.P. VIGNESH	International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	NA	10150
2017	MR. SHYAM R NAIR	International Conference on Power, Control, Signals and Instrumentation	NA	10150

## 6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	FDP on OPAL-RT Real Time Simulator	Nil	19/08/2017	19/08/2017	18	5
2017	Workshop Steel Concrete Composite structures	Nil	23/08/2017	23/08/2017	24	4
2017	WORKSHOP ON PROCESS MODELING AND SIMULATION USING ASPEN HYSIS	Nil	30/08/2017	30/08/2017	14	3
2017	WINTER PROGRAMME-Sustainable Urbanisation and Beyond.	Nil	01/09/2017	01/09/2017	28	3
2017	Seminar on Finite Element Analysis for Civil Engineers	Nil	13/10/2017	13/10/2017	24	12
2017	Workshop on Solar Cell Modeling and Design	Nil	27/11/2017	27/11/2017	20	1
2017	Seminar on CONSTRUCTION TECHNIQUES IN CHENNAI METRO RAIL PROJECT	Nil	11/12/2017	18/12/2017	11	4

2017	WINTER PROGRAMME-Contemporary trends in urban river restoration	Nil	12/12/2017	12/12/2017	28	10
2017	International Seminar on Recent advances and challenges in manufacturing of metal castings for automotive components	Nil	08/01/2018	08/01/2018	30	6
2017	FDP ON FACULTY DEVELOPMENT PROGRAM ON FINITE ELEMENT ANALYSIS	Nil	09/01/2018	09/01/2018	29	4
<a href="#">View File</a>						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
13 th Annual ADMA conference and graph theoryday	1	08/06/2017	10/06/2017	3
48th Annual ELTAI International conference	1	28/06/2017	01/07/2017	5
Infosys campus connect DDFEP	1	03/07/2017	07/07/2017	5
Future of Power Protection-Emerging Challenges	1	07/07/2017	07/07/2017	1
International Seminar on Home Science - In	1	11/07/2017	12/07/2017	2

Confluence				
Virtuals E-Baja	1	13/07/2017	15/07/2017	3
Virtual Baja 2017-2018	1	13/07/2017	15/07/2017	3
21 CRSI Symposium in Chemistry	1	13/07/2017	15/07/2017	3
Pollution Control Congress 2017	1	19/07/2017	22/07/2017	3
Futuristic oppurtunities and challenges in IoT	1	21/07/2017	22/07/2017	2
<a href="#">View File</a>				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
40	40	21	21

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
11	11	19

**6.4 – Financial Management and Resource Mobilization**

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institution conducts internal and external financial audits regularly. Qualified internal auditors are appointed a team of staff under them do a thorough quarterly basis monitoring and verification of all payments, receipts, vouchers of the transactions. The external auditor appointed by the institution performs audit of the financial statements. The financial records are audited by qualified chartered accounts after the end of each financial year. Mobilization of funds in the institute is through collection of tuition fees, grants received from various funding agencies. Budgeting and effective utilization of allocated budget is ensured.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
ALBA	8378600	For development and maintenance of infrastructure
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6.4.3 – Total corpus fund generated

8378600
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**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Academicians	Yes	IQAC
Administrative	Yes	External Administrators	Yes	IQAC

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

NA

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Periodic Parent - Teacher meetings department wise is conducted at the University The Parents , Students, Faculty come together to discuss the common issues and specific issues which are recorded and action taken report of the previous meetings are presented. This system serves as a platform for Continuous quality improvement in all aspects of the University. 2. Student Council with 15 member representatives of the student community is functioning in the University to take note of all the day to day issues of the students and represent the same to the appropriate authorities. 3. Student council members are consulted for any important policy decision to be made in student welfare in general. 4. Parents are consulted on the possibility of their contributions to the curriculum development, infrastructure development, well being etc., 5. SIM (Student Inclusive Management) style is adopted in various development activities

6.5.4 – Development programmes for support staff (at least three)

1. Training on Moodle 2. Training on the department specific software tools / Matlab 3. Soft Skills Training program 4. Hands on exercise on computer tools for documentation.

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Modernization of Labs 2. Improving Industry Academic Partnerships and International Collaborations 3. Steps initiated for quality publications and funding proposals. 4. Initiatives taken to offer online certification courses through LMS

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Academic Audit for Even semester	23/10/2017	23/10/2017	30/10/2017	464
2018	Academic	19/02/2018	19/02/2018	23/02/2018	487

	Audit for Odd semester				
2017	Quality Assurance in Research	19/08/2017	19/08/2017	19/08/2017	128
2017	School wise OBE Workshop for Faculty	02/09/2017	02/09/2017	02/09/2017	487
2018	5S training Programme	10/01/2018	10/01/2018	10/01/2018	387
2018	Effective Communicatio n Skills in Workplace	03/01/2018	04/01/2018	05/01/2018	53
2018	ISO practices in Higher Education	21/02/2018	21/02/2018	21/02/2018	345
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## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Equal Opportunity Awareness	21/07/2017	21/07/2017	134	231
Women Empowerment Programme	14/03/2018	14/03/2018	245	32
Leadership skills workshop for Women faculty	17/04/2018	17/04/2018	327	27

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
7

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	4
Ramp/Rails	Yes	4

Rest Rooms	Yes	6
Scribes for examination	Yes	1

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	7	10	18/12/2017	10	Awareness programme , Enrichment Programme	Awareness Programme on various Societal issues	131
2018	2	3	17/01/2018	1	Dental Camp	Awareness on Oral Hygiene	150
2018	3	2	22/03/2018	1	Blood Donation Camp	Blood Donation	234
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#### 7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
HITS Handbook	10/07/2017	In Scheduled Meetings

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day Celebration	08/08/2017	15/08/2017	260
Republic Day Celebration	26/01/2018	26/01/2018	200
Swatch Bharat	18/12/2017	22/12/2017	120
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Green Campus Plastic Free Campus Smoke Free Campus Digital campus Solar Power Campus
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### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

<p><b>Best Practice 1: . GOAL ORIENTED TEACHING PRACTICES</b> Methodology of the practice with steps involved in implementing the practice 1. Learning goal - Teachers need to clarify the purpose and learning goals, and provide explicit criteria on how students can be successful. It is ideal to use models to students so they can see what the end product looks like. 2. Classroom Discussion -</p>
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Teachers need to facilitate entire class discussion. This allows students to learn from each other. It can be used for teachers' formative assessment on how well students are grasping new concepts. 3. Summative assessment - Teachers need to assess frequently where students are in relation to the unit of study's learning goals. This helps students to provide effective and accurate feedback.

4. Metacognitive Strategies - Students are given opportunities to plan, organize, and monitor their own work, direct their own learning, and to self-reflect along the way. This helps students to increase their ownership. 5. Engagement - Teachers need to engage, challenge, and motivate students. They need to provide varied and ample opportunities for students to practice and process new research-based information. Impact of Practice / Evidence of

Success: Best teaching practices will help students to improve their creativity, problem-solving abilities, a passion for learning, a dedicated work ethic and life-long learning opportunities. Benefit or outcome of the Practice recorded 1. Helps students to engage in higher-order thinking tasks as

analysis, synthesis and evaluation 2. Helps students to solve problems and apply what they have learned. 3. Improve students to construct hypotheses and make decisions. Best Practice 2: Analyze Smart Practices Methodology of the

practice with steps involved in implementing the practice Professional development is most commonly delivered through single workshops and conferences, or through workshop series, institutes, or coursework offered through colleges and universities. Implementation Implementing the

Workshop/Presentation approach generally is the responsibility of the professional development specialist and/or local program administrator, and involves the following four steps: Step 1: Conduct needs assessments. Step 2:

Plan for the Workshop/Presentation session. Step 3: Conduct workshops incorporating elements of effective professional development. Step 4: Evaluate results of the Workshop/Presentation. Impact of Practice / Evidence of Success

: Challenges related to development, deployment, and maintenance of reusable software for science are becoming a growing concern. Many scientists' research increasingly depends on the quality and availability of software upon which

their works are built. Wh Benefit or outcome of the Practice may be recorded 1. Teachers experts are the greatest resources available for promoting inclusive practice 2. Build on existing practice. 3. Trainers invariably know more than they use workshops. 4. Examine the practice of ordinary teachers

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://hindustanuniv.ac.in/>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

VISION "TO MAKE EVERY MAN A SUCCESS AND NO MAN A FAILURE" MISSION OF THE INSTITUTION: ? To create an ecosystem for learning and world class research. ? To instill highest ethical standards and values with a sense of professionalism. ? To take up activities for the development of society. ? To develop national and international collaboration and strategic partnership with industry and institutes of excellence. ? To enable graduates to become future leaders and innovators. VALUE STATEMENT Integrity, Innovation, Internationalization

Provide the weblink of the institution

<https://hindustanuniv.ac.in/>

### 8.Future Plans of Actions for Next Academic Year

1. To get NBA Accreditation for all the UG programmes that are offered 2. To offer online certification courses through LMS 3. To Increase the PhD staff members in the institute 4. To Increase the funding research by 40 5. To Excel in OBE Practice