Yearly Status Report - 2016-2017

Part A	
Data of the Institution	
1. Name of the Institution	**HINDUSTAN INSTITUTE OF TECHNOLOGY AND SCIENCE**
Name of the head of the Institution	**Dr. S. Ramachandran**
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**

2. Institutional Status	
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.	9600075083
Registered Email	vc@hindustanuniv.ac.in
Alternate Email	iqac@hindustanuniv.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://hindustanuniv.ac.in/iqac_hits.php

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://hindustanuniv.ac.in/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.3	2016	16-Sep-2016	15-Sep-2021

6. Date of Establishment of IQAC	01-Nov-2012

7. Internal Quality Assurance System

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
OBE workshop for faculty	20-Jun-2016 5	127

Learning Management System using Moodle	18-Jul-2016 5	123
Workshop on research Methodology, Quality Research Ethics	24-Oct-2016 5	94
Training on Effective Communication skill for Non teaching staff	21-Nov-2016 5	57
Green Campus Initiatives	27-Feb-2017 5	89

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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. 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 4. Academic Audit 5. Feedback through Class committee meetings, Student meetings, Parent meetings 6. Teacher performance analysis through Performance based Appraisal system

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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 Practise OBE For the Academic year 20162017	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	10 programmes are have been Conducted
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
Faculty recruitment And Training	IQAC Involved in recruitment process and conducted Training programmes for the Newly recruited Staffs
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	The IQAC is involved in Quality checks of curriculum development process. It has laid down well defined procedures for the new curriculum and syllabus for the year 2018 - 19
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Academic Council Meeting	18-Mar-2017

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	18-Aug-2016
16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2017
Date of Submission	31-Mar-2017
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The ERP software implemented in the institution is equipped with all standard modules and features to record and maintain all functionalities/activities of students, teachers, academics, etc. The following is the link for ERP software https://erp.hindustanuniv.ac.in The ERP software has the following modules: • Admission Management • Student Management • Staff Management • Payroll • Timetable • Student Attendance • Exam Management • Calendar/Diaries • Alerts and Notifications • Student Feedback/Grievances • Fee Collection and Fees Accounting • Transportation Management • Inventory and Stores • Library Management • Hostel Management • Student – Parent Portal Student Parent portal is a web based application that brings all the stakeholders i.e students, parents, teachers into a single platform. https: //studentportal.hindustanuniv.ac.in The student parent portal has features like event alerts, exam notifications, exam results, attendance viewing, timetable viewing, fee payment, feedback on course handlers, verifying library transactions and book availability etc. The institution has a Digital Data Filing System (DDFS) implemented to encourage E governance and paperless transaction.

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	11013	Mechanical Engineering	13/08/2016
BTech	11014	Mechatronics Engineering	13/08/2016

BTech	11005	Chemical Engineering	13/08/2016
BTech	11003	Automobile Engineering	13/08/2016
BArch	21001	Architecture	17/06/2017
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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	Aeronautical Engineering	03/06/1996	AEB221 Aerodynamics - I	01/07/2015
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc	Visual Communication	04/07/2016
MA	English	04/07/2016
MSc	Chemistry	04/07/2016
BSc	Perfusion Technology	04/07/2016
BSc	CardioVascular Technology	04/07/2016
BSc	Aviation Science, Avionics, Aircraft Maintenance Engineering	04/07/2016
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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	Visual Communication	04/07/2016
BSc	Perfusion Technology	04/07/2016
BSc	CardioVascular Technology	04/07/2016
BSc	Aviation Science, Avionics, Aircraft Maintenance Engineering	04/07/2016
MA	English	04/07/2016
MSc	Chemistry	04/07/2016

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

Basics of Renewable Energy	08/08/2016	50
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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 Projects / Internships
BTech	Aeronautical Engineering	196
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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
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 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	210	315	209

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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
2016	1494	167	442	32	17

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	Numberof smart classrooms	E-resources and techniques used
491	491	509	15	98	46106

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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
6369	491	1:13

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
491	491	0	34	136

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
2016	Dr.V.Ceronmani Sharmila	Associate Professor	DSCI Excellence Awards
2017	Dr.J.Thangakumar	Associate Professor	Best Faculty of the Year
2016	Dr.Uppu Ramachandriah	Professor	Appreciation award
2017	Dr. V. Preethi	Professor	Youth Faculty in Engineering

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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	27/05/2017	14/06/2017

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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
322	6217	5.1

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
11001	BTech	Aeronautical Engineering	209	202	96.88

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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	Mr. V. Mahesh Kumar Reddy	PhD Fellowhip Award	21/09/2016	Naresuan Awarding Agency

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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	1314	NBHM
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
Major Projects	1095	DST	27.37	15.46
Major Projects	1095	DST	15	Nill
Major Projects	1095	DST	35.23	Nill
Major Projects	1095	Newton Bhaba Fund	42	27.5
Major	1095	CVRDE(DRDO)	21.5	Nill

Projects				
Minor Projects	365	Nelcast Ltd, Chennai	8.25	8.25
Projects sponsored by the University	730	HITS	2.1	1.5
Projects sponsored by the University	730	HITS	3.4	2.22
Projects sponsored by the University	730	HITS	2	1
Projects sponsored by the University	730	HITS	1.1	Nill

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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
Awareness on Intellectual Property Rights	IQAC	26/08/2016
Seminar on HITS IP Policy	IQAC	20/09/2016

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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
Practice on Innovation, IP and Patent	HITS	ICT Academy	28/02/2017	Institution

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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
HTBI-HEIC	Rahul kanuganti	NASSCOM	Flytta	A Relocation Startup startup	10/04/2017
HTBI-HEIC	Nill	Nill	Recon	3-D printing Aeromodelling	Nill
HTBI-HEIC	Nill	Nill	Quicspirt Soloutions	Website Development	Nill
HTBI-HEIC	Nill	Nill	Bharatheeya Shuhakaanshi	Mobile App Development	Nill

			nah		
HTBI-HEIC	Nill	Nill	AERO2ASTRO	RD Startup building model rockets	Nill

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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
Mechanical Engineering	1
Chemistry	1
Civil Engineering	1
Computer Applications	5
Computer Science and Engineering	1
Electronics and Communication Engineering	1
Information Technology	1
Library	4
Management Studies	2
Maths	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	Aeronautical Engineering	6	Nill
International	Aerospace Engineering	2	Nill
International	Automobile Engineering	16	Nill
International	Mechatronics	3	Nill
International	CENCON	7	Nill
International	Chemical Engineering	2	Nill
International	Chemistry	7	Nill
International	Civil Engineering	10	Nill
International	Computer Applications	11	Nill
International	Electrical and Electronics Engineering	11	Nill

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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

Aeronautical Engineering	12
Automobile Engineering	7
Chemistry	3
Civil Engineering	3
Computer Science and Engineering	16
Electronics and Communication Engineering	17
Electrical and Electronics Engineering	7
MCA	2
Mechanical Engineering	4
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
CHARGE TRANSFER CABLE	Filed	201641023073	07/05/2016
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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
Investigation effect of hydrogen addition on the performance and exhaust emissions of Pongamia pinnata biodiesel fueled compression ignition engine	Jegadheesan, C., Somasundaram, P., Meenakshipriya, B., Vignesh, U.P.	International Journal of Green Energy	2017	7	School of Computing Sciences	7
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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
Computat	Babu,	2017 2nd	2017	1	0	School

ional study of SCRAM jet combustor with a co-axial strut fuel injector	K.M.K., Reddy, N.L.N., Manivannan, P.	International Conference for Convergence in Technology, I2CT 2017				of Aeronautical Sciences

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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	1	29	17	110
Presented papers	Nill	10	27	17
Resource persons	Nill	2	4	4

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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)
Happy NZ tours	Redesigning of Web	Happy NZ tours	13965

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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
Automobile Engineering	YTR	Volkswagen Group Sales India Pvt. Ltd	1980000	50
Architecture	Advanced CAD	CADD Centre Training Services Pvt Ltd	247800	96

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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
Anti ragging Campaign Rally	NSS	40	800
Awareness on anti-ragging theme	Student Council	138	1251

Blood Donation Camp	NSS	10	87
Awareness for YRC, NSS and NCC Volunteers	NSS	23	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 Vayu Sainik Camp 2017	Recognition	DDG,TN,PAN NCC Dte	8
Rotary Youth Leadership Award (RYLA)	Award	Rotary	6
Blood Donation	Recognition	Madras Voluntary Blood Bureau (MVBB)	25
Nation Builder Award Programme	Award	Rotary	50

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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 activites	Number of students participated in such activites
NSS	ROTARY,NSS	Award Received from Madras Voluntary Blood Bureau (MVBB)	13	25

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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
Collaboration	Dr. Dinakaran, Professor & Group Lead, Centre Automation and Robotics	Institution	3

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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	Duration From	Duration To	Participant

		details			
Research	PHD Programme	Naresuan University, Thailand	01/08/2016	31/07/2018	Mr. Mahesh Kumar Reddy
Workshop	Nill	Khwopa Engineering College, Nepal	22/05/2017	02/06/2017	Dr. Sheeba Chander

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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
Novosibirsk State University	08/06/2016	Research,Academic and event colloborations	167

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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
2107	749

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Others	Newly Added

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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
OPAC	Fully	Nill	2016
ERP	Fully	Nill	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	71301	7586351	344	262142	71645	7848493
Reference Books	33701	4456210	486	425671	34187	4881881
e-Books	14040	1917495	142500	672750	156540	2590245
Journals	380	12421401	270	1732151	650	14153552
e-Journals	32066	23552770	1257	5306899	33323	28859669
Digital Database	48800	11058992	8688	3383283	57488	14442275
CD & Video	3102	145832	0	0	3102	145832
Others(specify)	80750	35449250	2755	1476680	83505	36925930

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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. M. M. Ramya	Introduction to Machine Vision	Institutional LMS	17/08/2016
Dr. T. Jeyapoovan	Essential Skills for Engineering Excellence	Institutional LMS	17/08/2016
Dr. D. Dinakaran	Programmable Logic Controllers	Institutional LMS	17/08/2016
Mr. Abi Koshy	Basic of Instrumentation	Institutional LMS	17/08/2016

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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	100	2	0	104	188	505	0
Added	200	0	0	0	0	0	0	0	0
Total	1958	30	100	2	0	104	188	505	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

505 MBPS/ GBPS

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	https://hindustanuniv.ac.in/
Audio Visual Centre	https://hindustanuniv.ac.in/
Lecture Capturing System	https://hindustanuniv.ac.in/
Mixing equipment for editing	https://hindustanuniv.ac.in/

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 incurredon maintenance of physical facilites
2107	209364233	2107	143727353

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 waste water 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 cum Means/Sports Scholarship	1568	109977750
Financial Support from Other Sources			
a) National	Government and other sources	23	368800
b)International	NA	Nill	Nill

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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 implemetation	Number of students enrolled	Agencies involved
Soft Skills Communication Skills	01/07/2016	842	Focus Academy Mr. Dinesh Mobile: 9840108444

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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 passedin the comp. exam	Number of studentsp placed
2017	GATE Training Academy	492	15	15	2
2017	GRE Training	367	0	0	0
2017	TOEFL	291	0	0	0
2017	Preplacement	630	226	47	304

	Training				
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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
3	3	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
ZOHO CORP	96	25	POWER IT SERVICES	22	4
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2016	2	B.Tech	Aerospace Engineering	University of Leeds	2
No file uploaded.					

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
NET	3
GATE	15
CAT	23
Civil Services	6
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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	State	193
Sports	University	94
Sports	National	97
Sports	International	13
Cultural	State	316
Cultural	National	164
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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
2016	Nill	Nill	Nill	Nill	Nill	Nill

No file uploaded.

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 meeting of Class Representatives are held in the department and their concerns and grievances are listened 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. The glimpse of the various activities of the student council can be viewed at https://hindustanuniv.ac.in/events

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of registered Alumni:

1375

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

50000

5.4.4 – Meetings/activities organized by Alumni Association :

3

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)

The Institute involves all the stakeholders in decision making process for framing guidelines and rules and regulations to ensure smooth and systematic functioning of the institute. Board of Governors meets regularly and the proceedings are conducted in a transparent manner. The BOG members directly participate in various activities of the institution. The minutes of BOG, Academic Council and Annual reports are published in the Institute Website. The

relevant information is shared with the employees through various meeting /circulars. The Finance committee appraises the BOG pertaining to the finances of the institution. Budgetary provisions for the department are made based on the requirements / inputs provided by the HOD. The Institution also publishes audited financial statements on its website for public information. The Vice Chancellor provides leadership for the Academic administration and creates an effective environment conducive for learning. He ensures that quality education is imparted to the students that foster the holistic development of the students. He also ensures all round development of the institute and achievement of strategic plans of the institutions. The Institution has in place several committees / subcommittees to continuously monitor / guide the academic and administrative activities. The committees comprise of key stakeholders including Government, Administrators, faculty, Staff, Industry, Employer, Alumni, Parents and students. All the Head of departments are members of the Academic council were the major Academic / Administrative decisions are taken. Many senior faculty members occupied Pivotal administrative positions like Deans, Controller of Examinations, Director Research, Coordinator of IQAC etc., They are also part of various decision making administrative bodies. Senior faculty members are made to lead various Academic / Administrative committees. At the department level, decisions are taken by various Academic Level committees. The faculty are actively involved in decision making process as a part of Department Academic and Examination committees, and the faculty provide their inputs on all academic and examination related matters.

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
Curriculum Development	1. 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
Teaching and Learning	1. 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 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	1. 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	**1. Transportation for staffs. 2. Research Activity Incentives 3. Reimbursement of professional body membership fees for active participation**
Industry Interaction / Collaboration	**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 o Volkswagen Autotronics Lab o Yaskawa Robotics lab o SMC pneumatics lab o Clean Energy and Nano Convergence – Dongkuk University Korea o Yokogawa Process Control Lab o ADG Boeing flight mechanics lab o TIFAC core – Aircraft Maintenance Center o Orient Flights - Pilot Training Center o Newton Baba Fund for establishing Materials Science lab o Siemendes lab for Simulation and Design supported by Dassault System o Matlab Campus Supported by MATLAB o Siemens Software supported labs**
Admission of Students	**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**

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

E-governace 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	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. https://erp.hindustanuniv.ac.in ERP has the following modules: • Admission Management • Student Management • Staff Management • Payroll • Timetable • Student Attendance • Exam Management • Calendar/Diaries • Alerts and Notifications • Student Feedback/Grievances • Fee Collection and Fees Accounting • Transportation Management • Inventory and Stores • Library Management • Hostel Management • Student – Parent Portal
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
2016	Kumar, A.U	10th INDIACom 2016 3rd International Conference on Computing for Sustainable Global Development, INDIACom 2016	NA	Nill

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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)
2016	Figure Drawing and Fashion Illustration	NA	10/11/2016	10/11/2016	64	Nill

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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
Accessible India Campaign	2	02/09/2016	02/09/2016	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
34	34	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
11	11	18

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 charted 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
No Data Entered/Not Applicable !!!		

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6.4.3 – Total corpus fund generated

100000000

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 Academicians	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. Hands on exercise on computer tools for documentation. 2. Soft Skills Training program. 3. Budget preparation 4. Outcomes Based education 5. Grooming etiquettes 6. Research methodology 7. Training on Moodle 8. Training on the department specific software tools / Matlab

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

(i) The Institute has made MOUs with a number of Industries for Joint Programs. (ii) Tie-ups with a number of foreign Universities for student faculty exchange. (iii) To deploy modern pedagogy for TLP by revamping the curriculum and syllabus for 2018. (iv) Research Outcomes and incentive schemes (v) Increase in the number of Full time Research scholars (vi) Increase of publications in peer reviewed journals

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
2016	Academic Audit for Even Semester	18/07/2016	18/07/2016	22/07/2016	491
2017	Academic Audit for Odd Semester	06/03/2017	06/03/2017	10/03/2017	491
2016	NAAC Peer team visit	18/08/2016	18/08/2016	20/08/2016	367
2016	ISO 9001:2008 Surveillance Audit	06/07/2016	06/07/2016	06/07/2016	423

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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
Awareness for Women to Advocate their Rights through Equality	24/01/2017	24/01/2017	215	0
Women Empowerment in engineering field	27/04/2017	27/04/2017	136	23

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
Ramp/Rails	Yes	4
Provision for lift	Yes	4
Rest Rooms	Yes	4
Scribes for examination	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address	Number of initiatives taken to	Date	Duration	Name of initiative	Issues addressed	Number of participating students

	locational advantages and disadvantages	engage with and contribute to local community					and staff
2016	2	4	13/09/2016	1	Dental Camp	Awareness on Oral Hygiene	200
2016	2	5	20/12/2016	1	Blood Donation Day	Blood Donation	250
2016	3	3	12/12/2016	5	Swatch Bharat	Cleaning and Awareness	84
No file uploaded.							

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	04/07/2016	The institute has brought our a handbook for all the stake holders to ensure transparency and guide the faculty to discharge their duties efficiently. The handbook provides the policies rules and regulations of the institute.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day celebration	15/08/2016	15/08/2016	160
Republic Day Celebration	26/01/2017	26/01/2017	190
Swatch Bharat	12/12/2016	16/12/2016	84
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Litter free Zone. • Plastic free Zone. • Solar Power system has been installed. • Waste water Treatment plant. • Tree plantation drive • Campus cleaning programmes • Segregation of bio degradable and non biodegradable waste • Collection of Electronic Waste Drive • Green Campus awards

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Online Based Assessment Methodology of the practice with steps involved in implementing the practice An online-based assessment system is designed and deployed to the students. This system is used not only for formative assessment and learning as well. As this system is hosted in online, it is available 24 X 7, which makes students comfortable in practicing. IMPACT

OF PRACTICE / EVIDENCE OF SUCCESS: 1. Increase in understanding the concepts- MCQ answer result increased by 31 Increase in the active participants (24) 2. Easy and conformable access and Learning System BENEFIT OR OUTCOME OF THE PRACTICE MAY BE RECORDED 1. Easy and Fast Assessment with practice session 2. Improvement on learning the concepts 3. Interest and active participants Best Practice 2: Learning by Doing METHODOLOGY OF THE PRACTICE WITH STEPS INVOLVED IN IMPLEMENTING THE PRACTICE Start every class with real world example and move towards the specific topic is the fundamental step followed in this approach so as to break the disconnect mindset of students towards multidisciplinary subjects. Every class an practical assignment is given to the students and motivate them to complete it through various platforms like WhatsApp group to reach them. Students will see the real examples, systems rather than referring only text books and will solve the problem. 1. Preparation of real time examples 2. Preparation of assignments which will motivate them towards learning 3. Helping them through a discussion forum like WhatsApp This practice enables the teacher to understand the level of knowledge a student has gained. IMPACT OF PRACTICE / EVIDENCE OF SUCCESS : Student's interest level increased. Students are developing different alternative solutions for a single problem in the one of my subjects - Design of Mechatronics Systems.

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

Incepted in 1985, Hindustan Institute of Technology and Science (HITS) has been excelling in diverse fields of Engineering and Technology, Architecture, Management, Law, Fashion, Design, and Arts, Aviation, Applied Sciences, Health Sciences, and Arts and Sciences. The School of Aeronautical Sciences, being the flagship School of HITS, housing the Department of Aeronautical and Aerospace Engineering since 1996 provides technical education in the field of Aeronautics. The B. Tech. Aeronautical Engineering programme offered by Department of Aeronautical Engineering is accredited by the National Board of Accreditation (NBA). The School of Aeronautical Sciences has acquired an exemplary reputation in providing undergraduate and postgraduate programmes by a blend of experienced faculty in Aircraft Design, Aerodynamics, Aircraft Structures, Aircraft Propulsion, Aircraft Systems and Avionics. Endowed with various types of Aircraft, Flight Simulators, Helicopters, and Fatigue Testing Machine, the School applies latest technology to study the advancement in the field of Aviation, Space Exploration and Defence System. The School houses the Centre of Excellence for Centre for Autonomous Systems, Aircraft Maintenance and SIMCRASH under its flagship. The strong collaborations with International Universities offer Semester Abroad programme for students at IPSA, ENAC, MAI. Nebula Astro, Aero, HITS Rocketry CubeSat Clubs are some of the active Clubs which provide opportunities to students participate in international competitions sponsored by NASA, Airbus, UVSI, SAE International etc., and get to design and develop new and innovative products. The School consists of experienced faculty members from industry (DRDO, HAL, IAF, DLR) who have published over 450 Scopus indexed journal publications and filed 7 Indian patents published 6 International Patents. The School received funded project of worth INR 15 Crores and Consultancy of INR 2 crores.

Provide the weblink of the institution

https://hindustanuniv.ac.in/

8.Future Plans of Actions for Next Academic Year

1. Modernization of labs Strengthen the existing centres of Research 2. Improving Industry Academic Partnerships 3. Improving access to global information resources 4. Initiating public private partnership. 5. Improving International Collaboration 6. To obtain NBA accreditation for 5 departments 7. To strive to work for better NIRF rankings 8. To strengthen the resources and facilities for moving towards QS rankings 9. To obtain good number of patents 10. To promote research and consultancy culture in the University 11. All faculty are expected to take up courses offered in MOOC 12. To roll out industry aligned curriculum and syllabus for 2018 for all programmes offered by the University.