Yearly Status Report - 2018-2019

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.K.P.Isaac**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04427474262**
Mobile no.	**9447304944**
Registered Email	**vc@hindustanuniv.ac.in**
Alternate Email	**registrar@hindustanuniv.ac.in**
Address	**Post Box No.1,Rajiv Gandhi Salai (OMR), Padur Via 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.T.P Somasundaran**
Phone no/Alternate Phone no.	**04427474262**
Mobile no.	**9447117929**
Registered Email	**iqac@hindustanuniv.ac.in**
Alternate Email	**ckezisv@hindustanuniv.ac.in**

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	**https://www.hindustanuniv.ac.in**
4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	**https://www.hindustanuniv.ac.in/assets/pdf/Academic_Calender_2019-2020.pdf**

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	**Period To**
1	**A**	**3.30**	**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**
Workshop on OBE Practice	**01-Sep-2018 1**	**120**

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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
Hindustan Institute of Technology and Science	**Graded Autonomy**	**UGC**	**2018 1095**	**0**

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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 :	**3**
The minutes of IQAC meeting and compliances to the	**Yes**

decisions have been uploaded on the institutional website	
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)

• Curriculum and Syllabus Revision for all the programmes of the University • Introduced Quality control audits for Laboratory practices • Introduced Online Performance Based Appraisal System (PBAS) for faculty quality improvement • Preparation and dissemination of Strategic Plan and its implementation for the University for Rankings and Accreditation. • Spearheaded the Quality Audit Processes for NBA (5 departments), NIRF, QS rankings. • Introduced project based learning for all courses. • Improving quality of research by insisting on indexed publications and Q1 journals.

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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
Curriculum and Syllabus Revision for all the programmes of the University	Curriculum and syllabus revision was done both for UG and PG
Introduced Quality control audits for Laboratory practices	Quality control audit was completed.
Introduced Online Performance Based Appraisal System (PBAS) for faculty quality improvement	Performance appraisal for faculty and non teaching staff members were completed. Incentives were given based on the performance index.
NIRF rankings preparations to be done	University obtained 95th Rank.
NBA Accreditation for five programmes.	Obtained NBA Accreditation for MechanicalEngineering,Computer Science & Engineering,Aeronautical Engineering,Automobile Engineering and Civil Engineering
Academic audit	Academic audit was completed in ODD and Even Semester.

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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
IQAC Meeting/ACM	07-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it	**Yes**

to assess the functioning ?	
Date of Visit	**22-Feb-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**27-Feb-2019**
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	B.Tech	All Engineering Disciplines	30/05/2018
Mtech	M.Tech	Aeronautical Engineering	30/05/2018
Mtech	M.Tech	Automobile Engineering	30/05/2018
Mtech	M.Tech	Civil Engineering	30/05/2018
Mtech	M.Tech	Computer Science and Engineering	30/05/2018
Mtech	M.Tech	Electrical and Electronics Engineering	30/05/2018
Mtech	M.Tech	Electronics and Communication Engineering	30/05/2018
Mtech	M.Tech	Mechanical Engineering	30/05/2018
MBA	MBA	General	30/05/2018
MCA	MCA	Nill	30/05/2018

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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	Aerospace Engineering	02/07/2018	AEB4101 Engineering and Design	02/07/2018

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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
BDes	Interior design	02/07/2018
BDes	Fashion and Apparel Design	02/07/2018

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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
BDes	Interior Design	02/07/2018
BDes	Fashion and Apparel Design	02/07/2018

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
Pre Placement Training	02/07/2018	279

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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	235

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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 score 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 etc. 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	300	797	265

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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
2018	6739	503	379	47	10

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
436	436	78	110	50	41

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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, cocurricular /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 cocurricular, 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
7242	436	1:17

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
554	436	118	53	173

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
2018	Dr.K. Ramesh Kumar	Professor	Infosys Teaching Excellence Award

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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	11001	Eight/Fouth Year	29/05/2019	06/06/2019

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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
55	6891	0.79

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://www.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
All	BTech	Engineering	1137	877	77.13
21001	BArch	Architecture	112	89	79.46
All	Mtech	Engineering	223	216	96.86

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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://www.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. Sundararajan	Open Arms Award	27/03/2018	Government of Brazil
International	Dr. P. Mohankumar	Research Assistant	07/09/2018	The University of Nottingham, IAR30002
National	Dr. Akkara Sherine	Distinguished Administrator award	05/03/2019	VIWA

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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
Mr.K.A.Alex Luke	548	CVRDE – DRDO

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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)	1095	Science Engineering Research Board (SERB,DST)	16.88	16.88

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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
Entrepreneurship Innovation Workshop	All Engineering Disciplines	20/06/2018
Workshop on Startup and Entrepreneurship	All Engineering Disciplines	16/07/2018
Interactive Session on Entrepreneurship and Society	All Engineering Disciplines	08/08/2018
Workshop on Entrepreneurship and Skill development	All Engineering Disciplines	21/08/2018

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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
IET CHENNAI LOCAL NETWORK WOMAN ENGINEER AWARD	Dr. V. Ceronmani Sharmila	INSTITUTION OF ENGINEERING AND TECHNOLOGY	20/06/2018	Teacher

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Hindustan Instituteof Technology Science	HTBIHEIC	Self supported	QSTECHNO SOLUTIONS	SOFTWARE PRODUCT DEVELOPMENT TRAINING	21/01/2019
Hindustan Instituteof Technology Science	HTBIHEIC	Self supported	JHATAYU	FLYING BIKE	10/10/2018

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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	13
Civil Engineering	6
Computer Application	6
Computer Science Engineering	29
SLAAS	27
Electronics and Communication Engineering	22
Information Technology	4
Mechanical Engineering	12
Management Studies	17
Architecture	3
Automobile	4
EEE	13

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 Disciplines	639	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
All Disciplines	218

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Bypass air control mechanism for hybrid engine	Filed	312506	02/07/2018

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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 Optimization Based Nonlinear Ship Maneuvering Control	Gupta D.k., Vasudev K.l., Bhattacharyya S.k.	Applied Ocean Research	2018	19	Hindustan Institute of Technology and Science	14

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
Genetic Algorithm Optimization Based Nonlinear Ship Maneuvering Control	Gupta D.k., Vasudev K.l., Bhattacharyya S.k.	Applied Ocean Research	2018	19	14	Hindustan Institute of Technology and Science

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	47	87	12	17
Presented papers	9	8	1	0

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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.P.S.Joanna	Column Testing	1st Street, Kayaninager, Maharaja Nagar, Palayamkottai, Tirunelveli, Tamil Nadu 627011	15000
Dr.P.S.Joanna	Design of Harvesters Hostel building	Fathers home Orphanage, Bethelpuram-Vediyangkadu, Pallipet Taluk, Tiruvallur 631 302	11000

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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
Mr.Miltan John	Training on Upgradation of Mechanical systems into electronics	Flextronics Technologies Pvt Ltd, No 143, Rmz Millenis Business Park Campus II 6th 7th 8th, Dr Mgr Road, Kandanchavadi, Chennai – 600096	2548962	250
Mr.Edward Kennedy	Multidirectionaal Comblift Training Course	Aluminium Bahrain, B.S.C.. P.O. Box 570, Kingdom of Bahrain. (973) 1783 0000 (973) 1783 0000	2321456	800
Mr.Miltan John	Safety measures during hazardness material handling	Evergreen Shipping Agency (India) Private Limited, Old No.39 New, No.75, TT Krishnamachari Rd, Alwarpet, Chennai, Tamil Nadu 600004	349532	200
Mr.Edward Kennedy	Traning Course on Very narrow Aisle	Aluminium Bahrain, B.S.C.. P.O. Box 570, Kingdom of Bahrain. (973) 1783 0000 (973) 1783 0000	4568712	800

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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
INDEPENDANCE DAY RIDE	ROTARACT CLUB	13	150

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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
Community service	Pillar of support award for Rotaract Club of Hindustan University	Rotary International	23

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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
INDEPENDANCE DAY RIDE	ROTARACT CLUB	INDEPENDANCE DAY RIDE	13	150

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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
Semester Exchange	Ms.Ayse Goktas	Yildiz Technical University, Turkey	180

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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
INBOUND STUDENTS	Semester Exchange	Universite Internationale De Rabat, Morocco	01/06/2018	01/05/2019	Mr. Mouad Chettahi

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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
The Fly Albatross	16/08/2018	Research,event,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

10047.62	3516.68

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
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

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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
Libsys	Fully	6	2009
ECOLEAIDE	Fully	2	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1244	1330000	858	861000	2102	2191000

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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

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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	1901	33	200	1	3	1	0	200	0
Added	0	0	0	0	0	0	0	0	0
Total	1901	33	200	1	3	1	0	200	0

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

200 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

Dr.K.C.G Verghese Research Resource Centre. • Institutional Repository (D Space 2.0) Library Educational resources. • Online Resources	**https://www.hindustanuniv.ac.in/library/index.php**
Hindustan Deemed to be University YouTube Channel. • Lecture series	**https://www.youtube.com/watch?v=evx9C7aoW0k**

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
10047.62	3193.63	10047.62	5676.82

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 college has dedicated maintenance team that oversees the maintenance of buildings, premises classrooms, laboratories, electrical and plumbing lines etc. • The maintenance team is headed by the Dean Admin who in turn monitors the work of the supervisor at the next level. The Supervisor is accountable to the Dean Admin and functions as the coordinator who efficiently organizes the workforce, maintaining duty files containing details about their individual floor wise responsibilities, timings, leave etc. The maintenance team conducts periodic checks to ensure the efficiency / working condition of the infrastructure and facilities. • Adequate in house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staff rooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by Non teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by gardening team. • Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. Apart from contract workers, the college has trained in house electricians and plumbers. • Lab instructors under the guidance of the centralized system administrators maintain the the college computers and accessories in pristine condition. • Parking facility is well organized and efficiently maintained by vigilance and security wing in the campus. • The campus premises are under the surveillance Cameras 24x7. • Estate officer and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house keeping. • Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the management through administrative offices. The requirements are collectively processed in every semester break so as to keep things ready for the new semester. • Library Technical Processing Section plays a key role to function the library. It makes a bridge between the acquisition of documents to the Circulation. The Technical Processing Section of Central Library also plays a vital role to run the functioning of this library services smoothly.

https://www.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 Scholarship/ Sports scholarship	3249	208782500
Financial Support from Other Sources			

a) National	Central Sector Scheme Of Scholarships For College And University Students/ Merit-Cum-Means Scholarship For Professional And Technical Courses Cs/ Post Matric Scholarship For Sc Students Tripura/Prime MinisterS Scholarship Scheme For Central Armed	24	600000
b)International	NIL	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
Life skills	21/06/2018	500	Ms PallaviLatariHelwada, Faculty of Yogi Science Therapy, MAHER, Chennai,

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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
2019	Motivational talk by Mr. Mark Van de Vrekan, the Consul General of Belgium	565	463	10	1028

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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
2	2	6

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
IDBI Federal	216	169	Amazon	8	2

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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
2018	3	B.TECH AEROSPACE	Aeronautical Engg	IIT	Aeronautical Engg

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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
Any Other	7

GATE	1
CAT	1
GRE	1
TOFEL	2

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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
International YOGA day	University level	257

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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
2018	Winners Volleyball Women	National	1	Nill	16341036	G. DHANALAKSMI III - B.COM

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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)

HITS student council consists of 17 active members. HITS creates a platform for the active participation of the students in the various academic administrative bodies. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Its selection, constitution, activities and funding: Each council has a representative council, which is called Class Committee and includes student members too. The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from I Year to Final Year. The Student Council helps students share ideas, interests, and concerns with lecturers and Dean Student Affairs. They often also help raise funds for wide activities, including social events, community projects, helping people in need and college reform. Various programs like paper presentations, workshops and seminars are organized by these bodies every year.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• University operates the Hindustan Alumni Association (HITSAA), which has completed several years of active functioning since its installation in 1993. HITSAA is registered as a Society (Sl. No. 156/2014) under the Tamil Nadu Societies Registration Act 27 of 1975. HITSAA acts as a bridge between the alumni and the University, and provides a channel of communication for interactions between the current students, staff and alumni, for their mutual benefit. • Membership of HITSAA comprises o All graduates of erstwhile Hindustan College of Engineering (HCE), o All graduates of Hindustan University Hindustan Institute of Technology and Science (HITS) • HITSAA Database is constantly updated through social media, telephone and email campaigns by the respective Department Alumni Coordinators and student teams. Currently the database has about 12000 alumni records. • HITSAA Executive Committee consisting of 10 alumni from different batches, meets every semester to dwell upon the activities undertaken and plan the activities for the forthcoming season. As per one of the HITSAA objectives, alumni take part in the Hindustan Technology Business Incubation and Hindustan Entrepreneurship and Innovation Centre by mentoring and inspiring the student members. • Alumni class Reunions and batch reunions are organized every year to mark their 25th Yr of

Graduation, 20 years of graduation and so on. • First Saturday of every December is celebrated as Back2Hindustan Annual Alumni Meet. On 1Dec2018, Annual Alumni Meet was celebrated. HITSAA awards are conferred to Prominent alumni HITSAA cash awards are presented to deserving students and Faculties. • Alumni representatives contribute to curriculum design / updates in many Schools / Departments. Some alumni are members of Board of Studies in respective departments'. Alumni also provide guidance in enhancing the syllabus and upgrading the laboratories with latest developments in their fields of specialization. • Alumni Talk Series Alumni visit the campus to deliver Guest Lectures and Seminars on latest trends in their field of specialization. Some of them address inspire the existing students through motivational and informative talks. • Alumni come forward to offer Internships and Placements to existing students. Campus interviews are also organized for alumni as well as existing students by alumni. • HITSAA Facebook group with over 10000 members is active and is used as a means for communicating latest updates and news from the University to alumni, and alumni in turn respond to the posts. Placement opportunities for alumni and existing students are posted through the group. Separate HITSAA groups also exist for different Alumni Chapters to share news and information. The Official HITSAA FB Group can be found at https://www.facebook.com/groups/Hindustan.Alumni.Association/ • An Alumni Team is constituted for Industrial Relations from different alumni batches and assists the University in sustaining relationship with Industry.

5.4.2 – No. of registered Alumni:

12500

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

300000

5.4.4 – Meetings/activities organized by Alumni Association :

30June2018 Bhutan Alumni Reunion Class of 1993 Silver Jubilee Celebration (7th July 2018) Alumni Talk by Ms. Jessy Mathew (6th June 2018) Alumni Talk by Mr. Ramanan T (4th Oct 2018) Alumni Talk by Ms. Ruby Selwyn (11th Jan 2019) Alumni Talk by Mr. Sukumar B. (25th Jan 2019) Alumni Talk by Mr. Kathiravan P. (29th Jan 2019) GYAN DISHA 2018, A Project Expo SUCCESS DAY (17th May 2018) Visit by Alumni of Class of 1994 (14Jun2018) Visit by Entrepreneur Alumni to give inputs into "Strategy for Entrepreneurship Development" (25th July 2018) Instituting the Alumni Ambassadors 2018 (on 15th Sep 2018) Annual Alumni Meet 1st Dec 2018 University Day April 5, 2019

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
Library, ICT and Physical Infrastructure / Instrumentation	The institution has a wellestablished, fully automated, well stocked, airconditioned central library and sophisticated laboratories. It has voluminous computerized library which caters to the needs of students, faculty and research scholars. The central library has open access system, digital library, hard copies of national journals, international journals and NPTEL video lectures for reference. Every department is also having a separate department library with books related to specialization. The entire campus including hostel is WiFi enabled. The institution has high valued instruments for facilitating research and student projects. IBM Nvidia server purchased at a cost of Rs 25 lakhs is one example for such establishments. 110 class rooms are equipped with smart board for ICT enabled teaching.
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	The institution has signed MoUs with various industries for enhancing research and collaborative projects. All undergraduate and post graduate program syllabus and curriculum are prepared by taking inputs from industry experts. B.Tech (CSE) IBM is a course which was designed by IBM and delivered by the University staff members is one example for the institution's collaboration and interaction with industry. All departments have adequate industry personnel representation in the Board of Studies. Feedbacks are obtained on a yearly basis from the industrial experts and from employers for quality improvement. Students were encouraged to do internship in industry and credits are allocated for the same. The University has under taken funded projects in associations with industries.
Research and Development	One of the key focused areas of the institution is research and development. Institution encourages the faculty and students to actively involved in multidisciplinary research projects. Separate IPR cell is available to help the faculty and students to file and publish patents. The RD centre has taken efforts to do collaborative projects by having tie ups with leading Universities and industries. Incentives were given to the faculty for publishing papers in Scopus/SCI indexed reputed journals. Financial support was given to attend international conferences. Incentives were given for faculties obtaining external grants for projects. Publications and funded projects are increased through research and development which helps in getting good rankings.
Admission of Students	Admissions are done based on the entrance examination HITSEEE (Hindustan Institute of Technology and Science Engineering Entrance Examination) conducted by the institution every year. Counselling sessions were arranged in various cities and in the campus to facilitate the students in choosing the disciplines. Scholarships are provided for meritorious students and students who excel in sports. The institution has a diverse culture because of students enrolled from various states of the country and abroad. Priority was

	given for admitting girl students. Bridge courses were conducted for all the first year students in the subjects like English, Computer Programming and Mathematics to fill the gap between school education and higher education.
Curriculum Development	Undergraduate programs Choice Based Credit system (CBCS) is introduced for all programs from the year 201819 onwards. Students are provided with an academically rich, highly flexible learning system blended with abundant provision for skill practice and activity orientation that he/she could learn in depth, without sacrificing his/her creativity. Undergraduate engineering students are taught a series of courses in basic sciences to develop understanding of scientific principles and methods, analytical ability and rigor. A course on engineering design is introduced for all students to motivate them in design thinking. These courses are followed by courses in engineering sciences to provide a smooth transition from basic sciences to professional engineering courses. A series of courses in technical arts are designed to develop engineering skills through training in engineering drawing, measurements, computing skills, manufacturing technology and effective communication. The professional courses in the chosen field of specialization are meant to develop creative abilities for the application of basic and engineering sciences to engineering problems involving planning, design, manufacturing, maintenance and research and development. In addition, courses in humanities and social sciences are incorporated to develop appreciation of the impact of science and technology on society. The undergraduate curriculum consists of two main components i.e. core courses and professional courses. The core courses lay emphasis on concepts and principles. It involves teaching of subjects in Basic Sciences, Humanities and Social Sciences and Engineering Science. Attention is also paid to develop communication skills in English language the medium of instructions. The Professional courses lay emphasis on system analysis, design, manufacturing and professional practice. There is an inbuilt flexibility to encourage students to specialize in streams of their choice through a system of professional and open and non engineering electives. The Institute strives to foster among its students a strong desire and capacity for continuous learning as well as self appraisal to develop sterling human professional qualities and a strong sense of service to society through designed, curricular, cocurricular activities and congenial campus environment. Postgraduate programmes MASTER OF TECHNOLOGY AND ARCHITECTURE, MBA. (M.Tech, M. ARCH/M PLAN, MBA) The Institute is offering various M.Tech./M.Arch./M. Plan and MBA programmes in which uniformly maintained the basic structure and philosophy of the postgraduate education in engineering and Architecture Management in the country. All these programmes, regular or part time, have their course work classified into two major categories: Core Courses and Elective Courses. The core courses are aimed at imparting knowledge of the relevant basics analytical tools techniques necessary to build up on them. Core courses of a particular programme are compulsory for all the students registered in that programme. Elective courses are of professional nature. To facilitate the interdisciplinary study, open electives and MOOCs are also compulsory. To be eligible for a degree, a student must complete requisite number of core and elective courses. However, to bring in flexibility a wide choice of electives is offered to the students in order to make their training broad based. Presentation of a Seminar, mini Project and a project in addition to the course work and further carrying out a thesis/dissertation are necessary components of postgraduate degree. The seminar and project should be on a topic relevant to the area of study, presenting the state of art work done on the subject. The literature survey conducted during the preparation of the seminar should highlight the areas for further research work on the subject. The problem taken up for the thesis/dissertation should be as far as possible on the work done for the seminar. Both the seminar, mini project and thesis/dissertation are submitted in bound form and are presented during their respective evaluation. Every PG student has to publish

	the outcome of the project/ dissertation in a Scopus indexed journal. MASTER OF COMPUTER APPLICATIONS (M.C.A.) The MCA programme aims to train and produce much needed human resource for software industry as increasing applications of computers in almost all areas of human endeavour has lead to a vibrant software industry with concurrent rapid technological changes. The programme is spread over a period of three years consisting of six semesters. The students study courses for five semesters in the University and carryout a Software Development Project (SDP) in the sixth semester in reputed national/multinational companies. The graduates of this programme are absorbed as software professionals, solution developers and system analysts in leading national/multinational companies and other industrial/service organizations working in the area of Information Technology (IT). MASTER OF SCIENCE (M.Sc.) M.Sc. programmes aims to impart applicationoriented education in the respective area with an integrated approach so as to turn out professionals who will have easy absorbability in industry as well as self employment skills. The course curriculum has been structured to impart education in the areas desired by the industry as well as local needs. The programme is spread over four semesters which include teaching of both core courses as well as elective courses for first two semesters, a project in the third semester and a dissertation in the final semester. SEMESTER ABROAD PROGRAMME: Students who are allowed to undergo internship or training in industries in India or Abroad during their course work or attend any national / International institute under Semester Abroad programme (SAP) up to a maximum of two semesters will be granted credit transfer for the course work / project work done by them in Industries / Foreign institutes as per the recommendations of the Credit transfer committee. The leave period the students for International internship / Semester Abroad programme etc., will be accounted for attendance. DOCTORAL DEGREE PROGRAMME HITS offers Ph.D programme in all disciplines of Engineering, Architecture, Management, Science and English Language. High calibre students with demonstrated capability can register themselves for Ph.D. degrees. All faculty members of the institute having the minimum qualifications and with two years of experience can work on a part time basis for Ph. D degree. Faculty working in other colleges/institutions in permanent positions and employees of Rd organisations, national laboratories and industries with minimum two years of working experience can work on a part time basis for the PhD. There is a laid down course work requirement for the Doctoral Degree Programme for candidates registering after obtaining PG degree. The provisions in the rules and regulations governing the programme, aim at ensuring high quality of research leading to Ph.D. programme are offered on both regular and part time basis. Ph.D. thesis is evaluated by a panel of examiners drawn from the peer group on the topic, both from India and abroad. COURSE Outcomes (CO) The attainment of course l outcomes was measured for the courses offered during this semester. We had conducted CO surveys as an indirect measurement of CO's twice in the semester (once before the end Semester exams and again after the End Semester Exams. Subsequently, a direct measurement of student performance in CIA End semester Exam(direct) along with course end surveys(indirect) during the semester as linked to learning outcomes was also completed. The scores from the direct and indirect measures were then combined to assess the overall attainment of course learning outcomes and objectives. NBA Accreditation NBA accreditation of five departments viz. Aeronautical Engineering, Automobile Engineering., Civil Engineering., Computer Science Engineering., and Mechanical Engineering has got NBA accreditation as per Washington accord for 3 years from April 2018 onwards. Another three programmes viz. Aerospace Engineering., Mechatronics, Electrical and Electronics Engineering., Electronics and Communication Engineering., Information Technology have already uploaded the e SAR for the NBA accreditation waiting for the accreditation visit.
Teaching and Learning	Every year the academic calendar is prepared by the IQAC with tentative dates for all the academic events, internal assessments

	and academic committee meetings. It is helpful in planning and scheduling all academic activities within the stipulated time period. Based on the competency and the experience of the faculty the courses are allocated. Well planned teaching methodologies and course delivery plan help the students to gain the required COs and the relevant POs and PSOs. The Course delivery plan (CDP) and Course assessment plan (CAP) are prepared by the faculty members before the beginning of the semester and are assessed by the Department Examination Committee (DEC) and IQAC members. Based on the Course Delivery Plan the faculty ensures the compliance of the teaching-learning process utilizing various teaching aids and methods. CAP includes assignments, quiz, seminar, tutorial, model making, group discussion etc. Industrial visits are arranged for the students to get industry exposure.
Examination and Evaluation	The Institute follow credit based continuous evaluation system. Every course shall have two components namely (a) Continuous internal assessment "CIA": This assessment will be carried out throughout the semester as per the Academic Schedule. (b) End Semester Examination "ESE": This assessment will be carried out at the end of the Semester as per the Academic Schedule. The Weightages of the various categories of the courses for CIA and ESE is informed to the faculty and students and it was strictly followed. For every course attendance, CIA marks and End semester marks are entered in ERP by course faculty of various programmes. After the end semester examination and valuation and after entering the end semester marks in ERP, the Controller of examination/staff download the grades to give grade sheets to the students. The Department Exam Committee(DEC) will examine all the internal examination question papers for quality and BTL level compliance.

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

E-governace area	Details
Planning and Development	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 (Ecoleaide) hosted in Amazon cloud. ERP 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

| 2018 | MR. G. IYYAPPAN | International Conference on Applications of Fluid Dynamics | NA | 4000 |

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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)
2018	A Summer Workshop on Open Source Software for Engineers OpenFOAM, Octave DWSIM	NA	10/07/2018	11/07/2018	14	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
FDP on Aerospace Propulsion	16	07/01/2019	07/01/2019	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
436	436	311	311

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
12	12	22

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
Aluminium Bahrain (Alba)	6902000	Development and maintenance of infrastructure

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6.4.3 – Total corpus fund generated

6902000

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)

Not Applicable

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

1.Active participation in the institution process. 2.Feedback for quality improvement. 3.Expertise sharing in various aspects.

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

1.Staff Development Program 2.Fee concession for children's education. 3.Skill development program

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

1.Obtained NBA accreditation for 5 UG programs 2.One faculty one industry concept for improving industry interaction. 3.implemented Industry 4.0 curriculum from 2018.

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
2019	Academic Audit Even Semester	06/05/2019	06/05/2019	10/05/2019	467
2018	Academic Audit Odd Semester	15/10/2018	15/10/2018	19/10/2018	467
2019	Visit of NBA Accreditation Team	22/02/2019	22/02/2019	24/02/2019	200
2019	5S audit by CII	08/05/2019	08/05/2019	08/05/2019	40
2019	Workshop on Energy Audit	26/06/2019	26/06/2019	27/06/2019	40

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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 Program on 'Prevention of Sexual Harassment of Women	18/02/2019	18/02/2019	100	20
the International Women's Day Celebration	07/03/2019	07/03/2019	180	10
Women empowerment Program	12/12/2018	12/12/2018	231	0

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
7.2 Best Practices 1 1.Title of the practice Implementation of Outcome based education 2.Objectives of the practice India is recognized as a signatory of the Washington Accord, and students graduating from accredited programs of Institutions

shall have global recognition. In order to achieve global recognition, all activities on campus like academic, activities beyond curriculum, cocurricular and extracurricular were focused on developing the POs leading to an effective implementation of Outcomes Based Education (OBE). 3.The Context The institution realized the need to embrace OBE in the true sense and shifted from an input based education system towards a student centric/ student learning education system. This leads to measure students learning through the attainment of various Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs). The institution provided appropriate platforms to help the students to excel in academics, cocurricular and extracurricular activities. 4. The Practice OBE practice is successfully implemented in the institution and obtained NBA accreditation in 5 UG programmes. This initiative by the institution lead to innovations in the class room by teachers in the delivery methods, innovation by faculty in assessment tools. It helped the overall development of the student learning. 5. Evidence of Success Implementation of OBE practice enhanced the quality of projects, students' publications, number of awards secured by students in National and International technical competitions/professional body activities. Increased number of placements, student's participation in various cocurricular and extracurricular activities. 6. Problems Encountered and Resources Required The faculty members need to be thorough with the OBE practices. Training programs were organized by the institution to all the faculty to familiar with OBE practice. Training was held in IIT Madras through IITM teaching learning centre. Every course faculty was expected to implement a flexible assessment tool of the internal evaluation component. This resulted in assessments like course seminar, assignments, term paper, open ended experiments, mini projects, concept videos, partial reproduction of research work, oral presentation of research work, group activities, etc. Modification in the assessment pattern contributed significantly to the effective implementation and development OBE. There was no need for any additional resource either in infrastructure or financial towards achieving the set aim of implementing OBE. Best Practices – II 1.Title of the practice Implementation of Enterprise resource planning (ERP) 2.Objectives of the practice To allow the organization to use a system of integrated applications to manage the business and automate many backoffice functions related to technology, services and human resources. 3.The Context As the institution grows, there is a need for storing data in a centralized system, automati

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	3
Braille Software/facilities	Yes	1
Rest Rooms	Yes	3
Scribes for examination	Yes	17
Special skill development for differently abled students	Yes	2

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
2019	2	4	25/03/2019	1	Dental Camp	Dental Check Up	150
2018	1	3	15/10/2018	1	Safe hands	Sanitation Awareness	80
2018	2	5	02/12/2018	1	Swasth 2.0	Eye Camp and TV screening	50
2018	2	3	24/10/2018	1	Polio Free Day	Vaccination	50
2019	1	4	14/02/2019	1	Blood Donation	Blood Donation	583

| 2018 | 2 | 5 | 16/07/2018 | 5 | Swatch Bharat | Cleaning and Awareness | 50 |

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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 20182019	17/06/2019	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	15/08/2018	15/08/2018	200
Republic Day Celebrations	26/01/2019	26/01/2019	150
Swatch Bharat	16/07/2018	22/07/2018	50
Vanavaasm Green Awareness	01/09/2018	01/09/2018	30

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

1. Plastic Free Campus. 2. Green Campus 3. Smoke Free Campus 4. 5S implemented 5. Solar powered Campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

7.2 Best Practices 1 1.Title of the practice Implementation of Outcome based education 2.Objectives of the practice India is recognized as a signatory of the Washington Accord, and students graduating from accredited programs of Institutions shall have global recognition. In order to achieve global recognition, all activities on campus like academic, activities beyond curriculum, co curricular and extracurricular were focused on developing the POs leading to an effective implementation of Outcomes Based Education (OBE). 3.The Context The institution realized the need to embrace OBE in the true sense and shifted from an input based education system towards a student centric/ student learning education system. This leads to measure students learning through the attainment of various Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs). The institution provided appropriate platforms to help the students to excel in academics, cocurricular and extracurricular activities. 4. The Practice OBE practice is successfully implemented in the institution and obtained NBA accreditation in 5 UG programmes. This initiative by the institution lead to innovations in the class room by teachers in the delivery methods, innovation by faculty in assessment tools. It helped the overall development of the student learning. 5. Evidence of Success Implementation of OBE practice enhanced the quality of projects, students' publications, number of awards secured by students in National and International technical competitions/professional body activities. Increased number of placements, students participation in various cocurricular and extracurricular activities. 6. Problems Encountered and Resources Required The faculty members need to be thorough with the OBE practices. Training programs were organized by the institution to all the faculty to familiar with OBE practice. Training was held in IIT Madras through IITM teaching learning center. Every course faculty was expected to implement a flexible assessment tool subject to a maximum of 40 of the internal evaluation component. This resulted in assessments like course seminar, assignments, term paper, open ended experiments, miniprojects, concept videos, partial reproduction of research work, oral presentation of research work, group activities, etc. Modification in the assessment pattern contributed significantly to the effective implementation and development OBE. There was no need for any additional resource either in infrastructure or financial towards achieving the set aim of implementing OBE. Best Practices – 1I 1.Title of the practice Implementation of Enterprise resource planning (ERP) 2.Objectives of the practice To allow the organization to use a system of integrated applications to manage the business and automate many back office functions related to

technology, services and human resources. 3.The Context As the institution grows, there is a need for storing data in a centralized system, automation in terms of Online Student Information system and Attendance Tracking system, HR and Finance etc. In order to meet this need, the institution has implemented ERP software which helps to do the process efficiently. 4. The Practice The students can easily avail the information regarding their attendance, internal marks, fee due etc. through this ERP. Faculty members are using this ERP to enter students attendance in their course, uploading teaching learning materials etc. All HR related information can be retrieved through this ERP. 5. Evidence of Success Students were able to check their attendance as a result, lack of attendance problem was greatly reduced which in turn improved the results of the students. Faculty members found it useful to maintain the internal marks in ERP. Entering students attendance was made easy. It helped to have paperless office. 6. Problems Encountered and Resources Required Training was arranged for the faculty and students to use the ERP effectively. Cost for the purchase of ERP was costly. High speed systems are required for the usage of ERP. Trained technician is required.

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

https://www.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

The motto of the institution is To Make Every Man A Success And No Man A Failure. Institution has a vision which is stated as "To be an International Institute of Excellence, providing a conducive environment for education with a strong emphasis on innovation, quality, research and strategic partnership blended with values and commitment to society". To achieve this vision, one faculty one industry concept was introduced in 201819. The main objective of this concept is to promote innovation, research and quality by having constant interaction with industry. Every faculty is expected to be connected with minimum of one industry. They are allowed to visit the industry, get trained by the industry experts and impart the acquired knowledge to the students. It strengthens the relationship between the institution and industry. Many MOUs are signed between institution and industry. Guest lectures by the industrialists were very useful. Through one faculty one industry concept, students are getting enough opportunities to visit industries and acquire practical knowledge. Innovative ideas of students are converted into products with the help of the industry. It helped the institution to file many patents. Research publications by the faculty and students are improved a lot. Students are doing internship in various industries through the implementation of one faculty one industry concept.

Provide the weblink of the institution

https://www.hindustanuniv.ac.in

8.Future Plans of Actions for Next Academic Year

Future Plan • The institution has planned to go for NBA accreditation for 5 more programs in the academic year 20192020. • All efforts to be taken to improve the NIRF ranking of the institution. • Proposed to have research incubation center. • Planning to have a fabrication lab to facilitate in house project and product development by the students and faculty. • Planned to start School of Law. • Policy decision taken to recruit only faculty with PhD qualification and ensure 100 faculty with PhD in 2021. • Focus to be given to increase funded projects and consultancy activities. • Aimed to increase the number and the quality of research publications.