



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr T KANNADASAN
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04222611844
Mobile no.	9894100454
Registered Email	hicetprincipal@hindusthan.net
Alternate Email	hiceteiehod@hindusthan.net
Address	Othakkalmandapam (po), Pollachi Main Road, Coimbatore - 641 032, Tamil Nadu
City/Town	Coimbatore
State/UT	Tamil Nadu
Pincode	641032

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)			16-Jun-2016																
Type of Institution			Co-education																
Location			Rural																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr . B . ANAND																
Phone no/Alternate Phone no.			+914222611833																
Mobile no.			9843048080																
Registered Email			hicetiqac@hindusthan.net																
Alternate Email			hiceteiehod@hindusthan.net																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			https://hindusthan.net/hicet/academics/naac/aqar/																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://hindusthan.net/hicet/																
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.07</td> <td>2015</td> <td>15-Nov-2015</td> <td>31-Dec-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.07	2015	15-Nov-2015	31-Dec-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.07	2015	15-Nov-2015	31-Dec-2021														
6. Date of Establishment of IQAC			08-Dec-2014																
7. Internal Quality Assurance System																			
<table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Quality Enhancement in</td> <td>21-Dec-2018</td> <td>55</td> </tr> </tbody> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	Quality Enhancement in	21-Dec-2018	55					
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Quality Enhancement in	21-Dec-2018	55																	

Technical Institutions	1	
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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
Computer Science and Engineering	RPS	AICTE	2019 365	500000
Electronics and Communication Engineering	FDP	AICTE	2019 15	606000
Automobile Engineering	PMKVY	MHRD	2018 175	441150
Electronics and Communication Engineering	DST-NIMAT	MHRD	2018 1	20000
Information Technology	SERB	MHRD	2018 10	151189
Electronics and Communication Engineering	CSIR - Seminar	CSIR	2018 2	30000
Electronics and Communication Engineering	CSIR - Seminar	CSIR	2018 2	60000
Mechanical Engineering	Support for Entrepreneurial and Managerial Development of SMEs Through Incubators	Ministry of Micro, Small & Medium Enterprises Government of India	2018 1460	1027600
Automobile Engineering	Prerana Scheme	AICTE	2019 730	587000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	1
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 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)
<ul style="list-style-type: none"> • Institute IQAC monitors the overall academic performances of the Institution. • Inculcate to use effectively autonomous procedure • Cell Maintained a standard system for all academic matters. • This cell give awareness to faculty members to publish more technical papers in referred journals and apply for grants. • IQAC works to improve the quality research projects undertaken by the faculty members of various disciplines • Encourages faculty members to apply for various minor and major research projects to National funding agencies like AICTE, DST, CSIR, UGC, DBT, SERB etc.

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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
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Plan of Action	Achivements/Outcomes
To use ICT based learning tools for effective teaching- learning process.	All the faculty members use ICT tools for Teaching, Learning and Assessment. Feedback is also received through ICT Tools.
To establish Digital Campus, ie., digitalize processes like admission, attendance, assessment, result declaration, administration, payroll and finance and to implement Digital Action Plan as directed by MHRD.	E Governance has been effectively implemented
To link with the National Academic Depository (this upholds all the certificates digitally).	Submitted all relevant data to Anna University and waiting for the approval
To ensure effective usage of National Digital Library (NDL) by all teachers and students	Implemented, Teachers and Students are effectively using the resources
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	02-Nov-2019

15. Whether NAAC/or any other accredited	Yes
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body(s) visited IQAC or interacted with it to assess the functioning ?	
Date of Visit	08-Oct-2015
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	30-Nov-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Yes, eCampus portal is being used. • Daily student attendance entry • Internal marks entry and report • Study materials upload • Student project details etc • Individual faculty profile • Class timetable / work load etc. • Tuition Fee Collection • Feedback

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
BE	107	Electronics and Instrumentation Engineering	05/04/2019
BE	108	Mechanical Engineering	10/03/2019
BE	109	Mechatronics Engineering	05/04/2019
BTech	110	Information Technology	09/04/2019
BE	101	Aeronautical Engineering	08/04/2019
BE	102	Automobile Engineering	05/04/2019
BE	103	Civil Engineering	15/04/2019
BE	104	Computer Science Engineering	09/04/2019
BE	105	Electrical and Electronics Engineering	11/04/2019

BE	106	Electronics and Communication Engineering	12/04/2019
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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
BE	Aeronautical Engineering	01/07/2018	16AE6002 Computer aided simulation laboratory	01/07/2018
BE	Aeronautical Engineering	01/07/2018	16AE6801 Mini project	01/07/2018
BE	Automobile Engineering	05/04/2019	16AU3201 Manufacturing Technology	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU3205 Engineering Design and Drawing	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU5205 Automotive engine components design	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU5201 Vehicle Design and data characteristics	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU5202 Automotive transmission	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU6203 Vehicle Dynamics	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU3203 Automotive Engines	05/04/2019
BE	Automobile Engineering	05/04/2019	16AU4204 Automotive chassis	05/04/2019
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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
BE	Agricultural Engineering	10/04/2018

BE	Biomedical Engineering	10/04/2018
BE	Food Technology	10/04/2018
BE	Chemical Engineering	29/04/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aeronautical Engineering	17/04/2018
BE	Automobile Engineering	17/04/2018
BE	Civil Engineering	17/04/2018
BE	Computer Science and Engineering	17/04/2018
BE	Electrical and Electronics Engineering	17/04/2018
BE	Electronics and Communication Engineering	17/04/2018
BE	Electronics and Instrumentation Engineering	17/04/2018
BE	Mechanical Engineering	17/04/2018
BE	Mechatronics Engineering	17/04/2018
BTech	Information Technology	17/04/2018
BE	Agriculture Engineering	17/04/2018
BE	Biomedical Engineering	17/04/2018
BTech	Food Technology	17/04/2018
ME	Applied Electronics	17/04/2018
ME	Communication systems	17/04/2018
ME	Computer Science and Engineering	17/04/2018
ME	Computer Aided Design Computer Aided Manufacturing	17/04/2018
MBA	Business Administration	17/04/2018
MCA	Computer Applications	17/04/2018

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
LabVIEW Core I and Core II	13/12/2018	38
NPTEL-Programming data structures and algorithms	18/01/2019	4

Using Python		
HVAC NX UNIGRAPHICS	18/06/2018	117
Autodesk Inventor - CAD Modeling Software	01/08/2018	65
PYTHON	18/06/2019	156
British English Certificate course	28/08/2018	1093
Data Science	04/02/2019	40
Introduction to JAVA programming	27/07/2018	141
Control Automation Training (CAT)	18/06/2018	52
Networking Devices	14/07/2018	69
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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
BE	Aeronautical Engineering	104
BE	Automobile Engineering	59
BE	Civil Engineering	125
BE	Computer Science and Engineering	157
BE	Electrical and Electronics Engineering	118
BE	Electronics and Communication Engineering	138
BE	Electronics and Instrumentation Engineering	50
BE	Mechanical Engineering	192
BE	Mechatronics Engineering	118
BTech	Information Technology	97
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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

Hindusthan College of Engineering and Technology follows a standard Feedback System which helps in evaluating each sector of the academia and leads for the betterment in all the sectors. The college offers 14 Undergraduate Programmes and 6 Postgraduate Programmes and in each programme, every teacher's performance is evaluated through the students' feedback. At the middle of the semester, students submit their online feedback. The feedback is based on five important areas: Subject knowledge, Clear explanation, Usage of ICT tools, Extra input related to the topic and Student Teacher Relationship. The feedback received from the students are immediately evaluated with the help of online statistical tools and handed over to the faculty members individually through the Heads of the Departments. The feedback received is converted to 4point scale The College offers an appreciation certificate to the teachers who get A Grade in the feedback and motivates them. The teachers who score B Grade are guided and counseled by the Head of the Department and the Dean to become the best. The performances of the teachers who get C Grade are critically reviewed and counseled by the Head of the Department, the Dean and the Principal. Also they are advised to undergo trainings to upgrade their teaching and knowledge in the subject area. Senior teachers help them to mend teacher student relationship. The teachers who receive D grade are very less in number, yet, by considering the benefit of the students, the institution does not encourage them to continue their service, if they fail to use all the trainings and opportunities provided. The Alumni are the true ambassadors of the college. The college receives feedback from alumni on the areas like curriculum, training, research and placement is helpful in bridging the gap between the industry and the institution. Parents are the important stakeholders and the representatives of the college. At the end of the graduation the feedback is collected from every parent and used for evaluating the value of the institution. The college makes it mandatory to collect feedback from every guest and the dignitary and the record is maintained in each department. The recommendations and suggestions given are evaluated and immediately put into practice. Board of Studies of each department consists of a member from industry, alumni, and student community along with subject experts and University Nominee. Feedback is collected from each member of the Board of Studies and analyzed by each department. The feedbacks and suggestions are analyzed during Board of studies, Academic council and Governing Council Meeting and considered for Implementation.

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
BE	Aeronautical Engineering	120	100	77
BE	Automobile Engineering	60	60	28
BE	Civil Engineering	120	80	52
BE	Computer Science Engineering	180	190	172
BE	Electrical and Electronics	120	80	57

	Engineering			
BE	Electronics and Communication Engineering	180	180	140
BE	Electronics and Instrumentation Engineering	60	60	28
BE	Mechanical Engineering	180	150	110
BE	Mechatronics Engineering	120	100	69
BTech	Information Technology	120	135	112
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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	1194	104	273	10	15

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
298	298	20	19	15	16

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

One of the most effective mechanisms that function in the institution that bridges the gap between the student and teaching community is 'Tutor Ward System'. Hindusthan College of Engineering and Technology College contains this system to identify different categories (Advanced, Average and Slow Learners) of students through 'Tutor Ward Meeting'. Each faculty member is assigned a group of students as their wards. Faculty member has the additional voluntary responsibility of moldings and guiding their wards in all academic extracurricular activities. The rules and regulations, welfare measures and various scholarships available and the Ways to go about them are explained to the wards in the tutor ward meeting. Slow learners with difficulties in understanding and learning the topics in the subjects at pace are paid individual attention, guided and trained by the tutor for their better ways of learning. Sharing of their own issues with their tutors will help to relief to the students, enabling them peacefully to concentrate on their studies. The tutor ward system helps to maintain a record of academic, cocurricular achievements/progress of the wards, interact with the ward frequently in their academic growth, wellness and intervene when necessary to correct them to proper guidance. Allocate the tutors for the class by splitting the students and monitor the activities of the students. The students will be counseled by the respective tutors and provide the report about the status of the student and the qualities needs to be improved.

Every week, the Tutor Ward session is for all students of the concerned class to give their reviews to their responsible tutors in order to solve the issues faced by them. This session deliberately helps every single student of the class to improve his or her reasoning skills and it acknowledges the tutors to understand their students. The students who are poor in academic activities are recognized as the challengers and those weak students will be given more attention to improve their performance in internal tests as well as in the end semester examination. The tutor has to maintained The residential status of each ward: Day scholar/hosteller ,The current communication address/email/Mobile no of the parents of the wards and alternate address/email/phone/cell no, The occupation of each parents, The level of parental control on each ward, The financial background of each ward, The current semester result status of each ward ,The monthly test result status of each ward, The necessary arrangement/effort to clear the arrears of their wards, Monitor the weaker student coaching progress of the wards and should ensure the passing of each weaker student, Ensure that each ward studies regularly if not try to identify the reasons for not studying and motivate to improve, The attendance particulars of each ward, Ensure that each ward submits the assignments, Monitor the wards progress in the laboratories and ensure that the wards submit their Assessment sheets regularly, Ensure that each ward gets the books/notes for all the subjects, Try to identify the personal and family problem of each ward if any

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4889	298	1:16

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
46	46	Nil	46	4

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. SIVA	Professor	SAEISS Coimbatore division Leadership Award
2018	Dr. M. MOHANRAJ	Professor	Guest Editor- Thermal Science -The Scientific Journal
2018	Dr. M. MOHANRAJ	Professor	Guest Editor- Journal of Thermal Analysis and Calorimetry
2018	Dr. M. MOHANRAJ	Professor	Reviewer- Elsevier Journals Springer Taylor and Francis Journals
2018	Dr. M. MOHANRAJ	Professor	Thesis Examiner- Solar Energy Research Institute, University of Kebangsaan- Malaysia
2018	Dr. M. MOHANRAJ	Professor	Visiting Faculty - Al Farabi Kazakh

			National University, Almaty, Kazakhstan.
2018	Dr. Y. RAS MATHEW	Assistant Professor	SAEISS Coimbatore division Best Volunteering Award
2018	Dr. Y. RAS MATHEW	Assistant Professor	Guru Dronachariyar Award- RSTE society
2018	Dr. Y. RAS MATHEW	Assistant Professor	Guru Dronachariyar Award- SAE INDIA NORTHERN SECTION
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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
BE	101	2,4,6/2019	10/05/2019	22/06/2019
BE	102	2,4,6/2019	10/05/2019	22/06/2019
BE	103	2,4,6/2019	10/05/2019	22/06/2019
BE	104	2,4,6/2019	10/05/2019	22/06/2019
BE	105	2,4,6/2019	10/05/2019	22/06/2019
BE	106	2,4,6/2019	10/05/2019	22/06/2019
BE	107	2,4,6/2019	10/05/2019	22/06/2019
BE	108	2,4,6/2019	10/05/2019	22/06/2019
BE	109	2,4,6/2019	10/05/2019	22/06/2019
BTech	110	2,4,6/2019	10/05/2019	22/06/2019
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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
19	8	42

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)

http://hindusthan.net/hicet/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the	Number of students passed in final year	Pass Percentage
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			final year examination	examination	
109	BE	Mechatronics Engineering	118	72	61.01
110	BTech	Information Technology	73	27	36.9
108	BE	Mechanical Engineering	206	108	52.4
107	BE	Electronics and Instrume ntation Engineering	50	28	56
106	BE	Electrical and Electronics Engineering	121	46	38.01
105	BE	Electronics and Communic ation Engineering	168	88	52.3
104	BE	Computer Science Engineering	137	76	55.47
103	BE	Civil Engineering	132	48	36.4
102	BE	Automobile	67	49	73
101	BE	Aeronautical Engineering	114	51	44.7
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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)

<http://hindusthan.net/hicet/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No

No file uploaded.

3.1.2 – 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
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National	Dr. K. Siva	Coimbatore division Leadership	24/06/2019	SAE INDIA Southern section
National	Dr. K. Siva	Appreciation Award	02/03/2019	SAUR URJA VEHICLE CHALLENGE
National	Dr. Y. Ras Mathew	Appreciation award for Best Volunteering	24/06/2019	SAE INDIA Southern section
National	Dr. Y. Ras Mathew	Guru Dronachariyar Award	02/03/2019	RSTE society
National	Dr. Y. Ras Mathew	Guru Dronachariyar Award	05/10/2019	SAE INDIA NORTHERN SECTION
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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)	2	CSIR	0.6	0.6
Any Other (Specify)	2	CSIR	0.15	0.15
Any Other (Specify)	730	AICTE	9.4	9.4
Any Other (Specify)	730	AICTE	11.71	11.71
Any Other (Specify)	1095	MSME	6	6
Any Other (Specify)	1095	MSME	5.25	5.25
Any Other (Specify)	1095	AICTE	15.88	15.88
Any Other (Specify)	14	AICTE	6.06	6.06
Any Other (Specify)	730	AICTE	5.87	5.87
Any Other (Specify)	1095	AICTE	5.74	5.74
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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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
Shockaeronz	Aeronautical Engineering	23/02/2019
Two Day Workshop on Glider making	Aeronautical Engineering	01/02/2019
Aerodynamics of an Airplane Wings	Aeronautical Engineering	19/01/2019
Guest Lecture on Product Development - "Art to Part"	Automobile Engineering	03/06/2018
Seminar on Autodesk Fusion 360	Automobile Engineering	08/09/2018
Seminar on Safety Awareness Show	Automobile Engineering	10/11/2018
National Level Seminar on Fuel Cell Technology and its Applications	Automobile Engineering	20/12/2018
Workshop on "Concrete Mix Design for a Sustainable Development"	Civil Engineering	29/09/2018
One Day National Level Technical Seminar on Wireless Sensor Networks	Computer Science and Engineering	23/06/2018
Guest Lecture on Big Data Learning Platform	Computer Science and Engineering	30/06/2018
Guest Lecture on Python Programming	Computer Science and Engineering	03/07/2018
Guest Lecture on Data Analytics using Qlik	Computer Science and Engineering	05/07/2018
Seminar on Virtual Reality	Computer Science and Engineering	14/07/2018
One Day National Level Workshop on Grid and Cloud Computing	Computer Science and Engineering	28/07/2018
Guest Lecture on Industry Needs	Computer Science and Engineering	11/08/2018
Guest Lecture on Machine Learning	Computer Science and Engineering	18/08/2018
Guest Lecture on Higher Education and Opportunities in Abroad	Computer Science and Engineering	27/08/2018
Two Days National Level Hands on Workshop on Python Programming	Computer Science and Engineering	07/09/2018
Guest Lecture on IT Solutions, Business Intelligence and Applications	Computer Science and Engineering	08/09/2018

Two Days National Level Hands on Workshop on Enterprise Application Development on Cloud Pass	Computer Science and Engineering	24/09/2018
Hot Careers in Australia IT Industry	Computer Science and Engineering	25/09/2018
Two Days National Level FDP Program on Enterprise Application Development on Cloud Pass AWS	Computer Science and Engineering	24/10/2018
One day Hands on Workshop on Red Hat Linux	Computer Science and Engineering	15/12/2018
One Day Seminar on Augmented Reality	Computer Science and Engineering	18/12/2018
Guest Lecture Recent Trends in IOT	Computer Science and Engineering	19/01/2019
One Day Seminar on Wireless Sensor Networks	Computer Science and Engineering	31/01/2019
One Day National Level Technical Symposium CYBERKNOTS'19	Computer Science and Engineering	09/02/2019
Seminar on Methodologies For Registering Research Work Through Patents IPR	Electrical and Electronics Engineering	09/02/2019
Seminar on Industrial Automation	Electrical and Electronics Engineering	19/01/2019
Seminar on Advanced Trends in IOT AI	Electrical and Electronics Engineering	12/01/2019
National Level Technical Symposium on Elzia - 2k18	Electrical and Electronics Engineering	29/09/2019
Hands on Training On Assembling And Dismantling Of Ac Dc Machines: Core And Winding	Electrical and Electronics Engineering	08/09/2018
National Seminar On "Power Of Big data In Cyber Security : Contemporary Research Methods"	Electronics and Communication Engineering	12/07/2019
National level seminar on Nano computing in Cognitive Radio Networks	Electronics and Communication Engineering	21/02/2019
Entrepreneurship Awareness Camp (EAC)	Electronics and Communication Engineering	06/06/2019
Technical Symposium isym'18	Electronics and Instrumentation Engineering	22/02/2019

Two Days Faculty Development Programme on Industrial automation system using PLC and SCADA	Mechatronics Engineering	24/01/2019
Intellectual Property Rights Innovations	Mechanical Engineering	07/09/2018
One day workshop On the art of writing winnable project proposal for funding	Mechanical Engineering	08/09/2018
National Level "Solar Vehicle Design Competition"	Mechanical Engineering	27/02/2019
National Level Technical Symposium	Mechanical Engineering	07/03/2019
Lecture Meeting on Design of Brake system in All terrain Vehicle	Mechanical Engineering	05/04/2019
International Conference cum Exhibition on Renewable and Sustainable Energy Systems (RSSES2019)	Mechanical Engineering	11/04/2019
Science Day on Vihara Element	Science and Humanities	08/03/2019
National Level Seminar on Insolvency and Bankruptcy Code	Master of Business Administration	14/12/2018
National Conference on Business Technological Trends 2019	Master of Business Administration	02/02/2019
National Level Technical Symposium HIFOCUS '18	Master of Computer Application	18/08/2018
One day Hands-on Training on "Selenium - Testing Tools"	Master of Computer Application	10/09/2018
One Day Hands-on Training on "The Administration Of Cisco Networking Devices"	Master of Computer Application	09/02/2019
One Day Seminar on "Amazon Web Services"	Master of Computer Application	23/02/2019
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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
SAE world congress X (WCX)' at	Dr K.Siva	SAEISS	20/04/2019	Faculty

Detroit, USA by SAEISS				
Special Appreciation Award in CONCAST 360? Cube Test Contest	S. Keerthivasan, V. Karthick, R. Manikandan, R. Gokula Krishnan, N. Ajithkumar, M. Anbhuselvan	Association of Consulting Civil Engineers, Coimbatore	15/09/2018	Students
Special Appreciation Award in CONCAST 360? Cube Test Contest	Ms.P.Subashree	Association of Consulting Civil Engineers, Coimbatore	15/09/2018	Faculty
Won I Prize in Texperia	I B Pratheebha	SNS college of Technology	07/03/2019	Student
Top 5 of Cerified Candidates ofEnhancing Soft Skills and Personality 12 Week NPTEL Course	Vijaya Lakshmi T, AP/AERO	Swayam NPTEL	13/03/2019	Faculty
Top 2 of Cerified Candidates of Data Base Management System 12 Week NPTEL Course	Ms.M.Revathi, AP/CSE	Swayam NPTEL	13/03/2019	Faculty
Awarded with certificate of Excellence outstanding contribution to the quality of the journal	Dr.S.Shankar	Asian Journal of Probability and Statistics	01/04/2019	Faculty
Certificate of Appreciation from NPTEL for his instrumental role as SPOC	Dr.S.Shankar	Swayam NPTEL local chapter from IIT Madras	19/03/2019	Faculty
Outstanding participation in a hackathon	Chandra Prakash S Mr. T S Gokul Raja P V Jeganathan	KGISL, Coimbatore	01/03/2019	Student
Won I Prize Rs 20,000/- in 24 Hrs National Level "Hack and	Frazer Robert P V Jeganathan T S Gokul Raja	Dr. N G P Institute of Technology, Coimbatore	09/02/2019	Student

Knock 1.0"
Product
Development
Contest

[View File](#)

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
MSME	Hindusthan Innovative Product Development Centre	MSME	Hindusthan Innovative Product Development Centre	Benefit for the Society	01/07/2018
View File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1
Electrical and Electronics Engineering	1
Electronics and Instrumentation Engineering	1
Mechanical Engineering	3

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	4	2.0
International	Automobile Engineering	3	1.20
International	Biomedical Engineering	1	7.19
International	Civil Engineering	1	0.52
International	Computer Science and Engineering	20	2.95
International	Electrical and Electronics Engineering	7	0.68
International	Electronics and Communication Engineering	10	3.39
International	Electronics and Instrumentation Engineering	2	2.50
International	Mechatronics Engineering	6	0.12

International	Mechanical Engineering	27	6.0
View File			

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
Science and Humanities	13
Mechanical Engineering	10
Mechatronics Engineering	3
Electronics and Instrumentation Engineering	1
Electronics and Communication Engineering	10
Electrical and Electronics Engineering	2
Computer Science and Engineering	4
Civil Engineering	6
Automobile Engineering	3
Aeronautical Engineering	8
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Wireless sensor network based data logging and ANN based maximum power point tracking for a large photo voltaic farm	Published	201941035892 A	18/10/2019
A Novel PSO based automated optimally controlled watering system for a coriander plant field using wireless sensor network	Published	201941035891 A	18/10/2019
System for Optimizing Eight - Dimensional (8D) Audio Signals in a Pair of Three - Dimensional (3D) Spectacles	Published	201941002364	25/01/2019
Smart Seat Belt System	Published	201941002364	09/02/2019
Two stage cascade heat pump for space	Published	33339	25/03/2018

heating -National Institute of Intellectual Property Republic of kazakhstan			
Hybrid solar ground heat pump -National Institute of Intellectual Property Republic of kazakhstan	Published	33382	23/03/2018
View File			

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
Prediction and optimization of CI engine performance fuelled with Calophyllum Inophyllum diesel blend using response surface methodology (RSM)	C.Suresh	Environmental science and pollution research	2018	8	Hindusthan College of Engineering and Technology	Nil
Numerical analysis on supersonic secondary flow injection - TVC	A.Kuppuraj	International Journal of mechanical and production engineering research and development	2018	2	Hindusthan College of Engineering and Technology	Nil
Computational study on role of slots	A.Kuppuraj	International Journal of mechanical and production engineering research and development	2018	2	Hindusthan College of Engineering and Technology	1

Numerical analysis on inlet design and starting Mach number of scramjet engine	A.Kuppuraj	International Journal of mechanical and production engineering research and development	2018	2	Hindusthan College of Engineering and Technology	Nill
Enhancement of mechanical properties of epoxy hybrid nanocomposites through hybridization of Carbon nanotubes and alumina nanoparticles	Sabarina than C	Digest Journal of Nanomaterials and Biostructures	2018	2	Hindusthan College of Engineering and Technology	Nill
Wear And Friction Behavior Of Basalt Nanofillers Reinforced Epoxy Nanocomposites	Sabarina than C	Digest Journal of Nanomaterials and Biostructures	2018	2	Hindusthan College of Engineering and Technology	Nill
ANN-based Maximum Power Point Tracking for a large Photovoltaic farm through Wireless Sensor Networks	K. Anna Raja	Current Signal Transduction Therapy	2018	2	Hindusthan College of Engineering and Technology	Nill
Experimental Study of Hybrid Rubberized Composite Slabs	Ms. P. Subashree	Archives of Civil Engineering	2018	2	Hindusthan College of Engineering and Technology	Nill
Real	Dr.S	Measurem	2019	16		1

time video image enhancement approach using particle swarm optimisation technique with adaptive cumulative distribution on function based histogram equalization	Annadurai	ent Journal, Elsevier			Hindusthan College of Engineering and Technology	
Energy Efficient Clustering Scheme (EECS) for Wireless Sensor Network with Mobile Sink	Dr.S.Shankar	An International Journal of Wireless Personal Communications (Springer)	2018	33	Hindusthan College of Engineering and Technology	5
View File						

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
Detecting Offensive Language in Social Media to Protect Adolescent Online Safety	B. Dhiyanesh	ICTACT Journal on Soft Computing	2018	18	Nill	Hindusthan College of Engineering and Technology
Energy Efficient Data Collection Algorithm for Mobile Wireless Sensor Network	Dr.S.Shankar	An International Journal of Wireless Personal Communications (Springer)	2018	18	Nill	Hindusthan College of Engineering and Technology

A cross-layer design: energy efficient multilevel dynamic feedback scheduling in wireless sensor networks using deadline aware active time quantum for environmental monitoring	Dr.S.Shankar	International Journal of Electronics (Taylor Francis)	2018	18	Nil	Hindusthan College of Engineering and Technology
Energy Efficient Clustering Scheme (EECS) for Wireless Sensor Network with Mobile Sink	Dr.S.Shankar	An International Journal of Wireless Personal Communications (Springer)	2019	18	Nil	Hindusthan College of Engineering and Technology
Real time video image enhancement approach using particle swarm optimisation technique with adaptive cumulative distribution function based histogram equalization	Dr.S Annadurai	Measurement Journal, Elsevier	2018	18	Nil	Hindusthan College of Engineering and Technology
Experimental Study of Hybrid Rubberized	Ms.P.Subashree	Archives of Civil Engineering	2018	18	Nil	Hindusthan College of Engineering

Composite Slabs						g and Technology
Wear And Friction Behavior Of Basalt Nanofiller s Reinforced Epoxy Nano composites	Sabarina than C	Digest Journal of Nanomaterials and Bi ostructure s	2018	18	7	Hindusthan College of Engineerin g and Tech nologyHind usth an College of Engineerin g and Technology
Enhancem ent of mechanical properties of epoxy hybrid nan ocomposite s through hybridizat ion of Carbon nanotubes and alumina na noparticle s	Sabarina than C	Digest Journal of Nanomaterials and Bi ostructure s	2018	18	2	Hindusthan College of Engineerin g and Technology
Prediction and optimi zation of CI engine performanc e fuelled with Calop hyllum Inophyllum diesel blend using response surface me thodology (RSM)	C Suresh	Environm ental science and pollution research	2018	18	8	Hindusthan College of Engineerin g and Technology
Aerodyna mic perfor mance analysis of a non-planar C-wing using CFD	C Suresh	Aerospace science and technology	2018	18	15	Hindusthan College of Engineerin g and Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	25	180	55	37
Presented papers	10	50	10	13
Resource persons	3	20	15	17
View File				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mechanical Engineering	Development testing and standardization of heat pump water heaters using solar photovoltaic-thermal hybrid evaporators	Department of Science and Technology, Government of India	3850000
Computer Science and Engineering	Furnace Charger Calculator	P.C. SONS Casting Private Limited	20000
Electrical and Electronics Engineering	Consultation and Erection of Ht 200KVA	Hindusthan Heavy Electricaals	40000
Electrical and Electronics Engineering	Consultation and Erection of Ht 200KVA	Hindusthan Heavy Electricaals	40000
Electronics and Communication Engineering	Effective Deployment of IoT in Patient Monitoring Systems in Government Hospitals	ARM ENTERPRISES	15000
Electronics and Communication Engineering	Design Development of Maritime Border Security for Fishermen	M/s.CVC Pvt. Ltd	30000
Mechatronics Engineering	A Solution for Manufacturing High Volume Precision Micro Scale Components	MARVEL Machining System	10000
Mechatronics Engineering	The Effect of Heat Treatment on the Mechanical Properties of Stainless Steel	ESSAR Steel India Ltd	15000

	Type 304		
Mechatronics Engineering	Design and Fabrication of Multi purpose Floor cleaning machine	ROOTS Industries India Pvt Ltd	10000
Mechanical Engineering	Solar assisted auto cascade heat pumps for space heating applications	Q-Alt technologies, Almaty, Kazakhstan	250000
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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
Electronics and Instrumentation Engineering	LabVIEW Core 1 and II	Innovative Invader Technologies	10000	2
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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
TI University Program	EdGate Technologies Pvt. Ltd	2	60
Advanced Technical Program (ATP)	TVS Training and Services Ltd	1	1
National Service Scheme-Anna University Chennai	Hindusthan College of Engineering and Technology, NSS UNIT	4	150
National Service Scheme-Anna University Chennai	Hindusthan College of Engineering and Technology, NSS UNIT	4	25
Industry / University Collaboration	FICE India Pvt. Ltd along with Edex	1	50
National Cadet Corps	2(TN)CTC, Hindusthan College of Engineering and Technology	1	18
National Cadet	NCC-GROUP,	1	5

Corps	Coimbatore		
National Cadet Corps	2(TN)CTC, Hindusthan College of Engineering and Technology	2	20
National Cadet Corps	GH, MEDICAL COLLEGE, Coimbatore	10	20
National Cadet Corps	Tree Platanation, Hindusthan College of Engineering and Technology	2	35
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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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
RSTE-INDIA	RSTE Society-SAUR URJA VEHICLE CHALLENGE	Solar Vehicle building	2	37
SAE-INDIA	SAE BAJA	All terrain Vehicle building	2	25
SAE-INDIA	SAE Efficycle	Tricycle building	1	13
National Service Scheme	Honda Venture ,Coimbatore, Hindusthan College of Engineering and Technology	Road safety awareness programme- Exclusively for Girls.	1	250
National Service Scheme	Hindusthan College of Engineering and Technology	Defence awareness programme	1	250
National Service Scheme	Nilagiri bio sphere park, Anaikatty, Hindusthan College of Engineering and Technology	Environmental awareness Trekking programme	1	250
National	Sivan temple-	Temple	1	250

Service Scheme	Othakalmandapam /Hindusthan College of Engineering and Technology	cleaning programme		
National Service Scheme	Chettipalayam police station/ Hindusthan College of Engineering and Technology	Parliament election duty- 17 - 18 April,2019	1	250
National Service Scheme	Othakalmandapam, Panchayath, Govt of Tamilnadu/Hindusthan College of Engineering and Technology	Jal sakthi abiyan -Rain water harvesting awareness programme	1	250
National Service Scheme	Anna University, Coimbatore.	PRE-RD Selection programme	1	250
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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
Research	Dr.M.Mohanraj	Al-Farabi Kazakhstan, National University Almaty.	1095
Research	Dr.M.Mohanraj	Department of Science and Technology, funded collaborative research project with NIT Calicut as Co-PI	1095
National level seminar on Nano computing in Cognitive Radio Networks	Faculty, Research Scholar and Student	Council of Scientific Industrial Research	2
FDP-Deep Learning in Bio-Medical applications for IOT	Research Scholar and Faculty	All India Council for Technical Education	14
View File			

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	Duration From	Duration To	Participant
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		institution/ industry /research lab with contact details			
Project Work	Industry Project work on no pay no fee basis	Hindusthan Aeronautics Limited, Bangalore	19/12/2018	16/02/2019	Students - 4
Internship	Students internship training	New Victory Packaging unit, Dharmapuri	20/06/2018	26/06/2018	Students - 5
Internship	Students internship training	Barola Technologies, Chennai	12/12/2018	19/12/2018	Students - 59
Internship	Students internship training	KaaShiv Info Tech, Chennai	01/12/2018	05/12/2018	Students - 5
Internship	Students internship training	Cochin Shipyard limited, Cochin	30/07/2018	04/08/2018	Students - 5
Internship	Students internship training	Fraqnk Technologies pvt. Ltd., Coimbatore	03/07/2018	07/07/2018	Students - 5
Industry Project	Steering Endurance Test Rig	Ampere Vehicles Pvt Ltd	01/12/2018	31/03/2019	Students - 4
Industry Project	Reduce the tapping defect in H Series Engines (Block and Head)	Ashok Leyland	01/02/2019	28/02/2019	Students - 3
Internship	Installation of Tool Monitoring Sensors	Sri Vari Engineering	01/12/2018	31/03/2019	Students - 2
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SWIFTERZ CREATIVE SERVICES (LLP)	23/08/2018	Training, Internship and	6

		Placement	
Red Hat Academy	28/09/2018	Linux Training	150
Cloudbull Technologies	28/12/2018	Cloud Computing Training	170
RSTE	31/10/2018	SAUR URJA Vehicle Challenge Competition-Vehicle Building	55
View File			

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
122.5	125

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
View File	

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
Lips i Net (Dolphin)	Fully	5	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	67106	30382317	5833	1290955	72939	31673272
Reference Books	5964	832440	417	250615	6381	1083055

Journals	179	900000	26	45000	205	945000
e-Journals	1775	700000	130	200000	1905	900000
Digital Database	3	900000	Nill	Nill	3	900000
View File						

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
Mr. T. Venugopal	Rapid Prototyping	Microsoft Power point Presentation	07/03/2019
Mr. Pradeep Johnson	Humanoid Robotics	Microsoft Power point Presentation	05/06/2019
Mr. Mahesh M	Derive expression for shear flow for thin walled section	Microsoft Power point Presentation	13/08/2019
Mr. Saravananakumar V	Aircraft Instruments	Microsoft Power point Presentation	18/02/2019
Mr. L. Karthick	Computer Integrated Manufacturing System	Video	12/08/2019
View File			

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	1780	19	190	2	4	10	15	190	0
Added	20	7	10	0	1	0	0	10	0
Total	1800	26	200	2	5	10	15	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
Online Resource	https://www.bostondynamics.com
Online Resource	 efunda">https://vsco.co > efunda
Agni Minds(YouTube- Channel)	https://www.youtube.com/channel/UC-UVJNeM76jUaFuLCsspoEw

HICET AERO DEPT(YouTube- Channel)	https://www.youtube.com/channel/UC18kB2rp26JNMyLms28OanA
UAV Club Website	https://hicetuavclub.weebly.com/
Blog	https://karthickzerothview.blogspot.com/2018/08/blog-post_12.html

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
27	26.1	53	51.4

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)

The college identifies the need for budget allotment for the annual maintenance of the various infrastructure facility and has established system and procedures for maintenance. The college has Campus Maintenance Committee with a convenor and five members to supervise all the maintenance and repair activities of physical infrastructure of the college. Full time staff have been appointed for supervising the maintenance of the campus. They take care of maintaining buildings, lighting, plumbing, electrical, carpentry, gardening, minor repairs, alterations of classrooms, lab, office, etc. There are gardeners, sweepers and mechanics to maintain the infrastructure. The college appoints contractors and workers for major maintenance and repairs of building, renovation etc. Annual stock verification committees recommend the articles for repair/condemnation. There are effective solid, liquid and waste management systems available in the institution. Rainwater harvesting units and environment conservation panels are periodically checked and maintained. There are adequate dustbins available throughout the campus with colour distinction for the segregation of biodegradable and non degradable waste. The laboratories in the college are fully equipped according to the academic needs and the statutory rules. Before the commencement of the academic year, a lab audit is conducted and a report on the requirement of the new equipment and replacement of obsolete equipment is prepared. Purchases are made through sealed quotations. Fire safety equipment is maintained in all the laboratories as a precautionary measure. Lab equipment maintenance, service and repair are supervised by the Lab assistants/technicians. Regular maintenance is done through AMC. A Library Advisory Committee exists for the optimum functioning and improvement of services. All the books, journals, online data base or any other learning resource are added only after a rigorous scrutiny by the subject experts. Reliable vendors are chosen based on their response to the queries, availability of books and adherence to the terms and conditions. The books in the library are accessed, stamped and then shelved. Periodic Book binding is carried out to prevent the damage of books. The books are scientifically protected from rain, dust, insects etc. Computer Services Team of computer experts regularly take care of computer lab maintenance. Internet connectivity is supervised by the technical analyst. For valuable items and special equipment, the institution has AMC with the suppliers. The hardware related problems and power backups in computer centers are maintained by service engineers on call through the AMC. Sports Committee is constituted to handle the matters related to sports and games like budget preparation, organizing,

planning and executing the conduct of competitions and sports meets. Purchase orders are placed to competent suppliers for the supply of required sports articles. Cutting, cleaning and maintenance of various grounds are regularly taken care. First aid kits are always available in any emergency.

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	Higher Cut off Concession	66	1424750
Financial Support from Other Sources			
a) National	Shanthi Social Service / Government Scholarship	1618	18682015
b) International	-	Nill	0
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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
Bridge courses	10/08/2018	25	Cambridge
Cloud Infrastructure and service	20/02/2019	137	Sponsored by Tamil Nadu Government and organized by ICT Academy
Sales Force	20/02/2019	137	Sponsored by Tamil Nadu Government and organized by ICT Academy
Data Science	20/02/2019	137	Sponsored by Tamil Nadu Government and organized by ICT Academy
Autodesk Inventor Training	22/01/2019	60	Autodesk
Soft skills	20/02/2019	137	Sponsored by Tamil Nadu Government and organized by ICT Academy
Value Added Course on STAAD.Pro	18/06/2018	140	UPK Techserv, Coimbatore

IIT Bombay Spoken Tutorial	23/02/2019	10	IIT Bombay
Hands on Training Programme on "Interior Design using Sketch Up and 3DS Max"	09/02/2019	110	CADD Centre, Coimbatore
Pearson program	16/10/2018	51	FICE, IDEA
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Higher education counselling	10	10	1	1
2018	Gate Coaching, Guest Lecture, Placement Training	26	141	9	105
2018	Guidance program for competitive examination	17	Nil	Nil	Nil
View File					

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
6	6	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Swiggy KGISL Suguna Foods NDOT Indusind bank Rakindo CTS Go SPEEDY GO TCS AEE.BEE	524	362	Bujus OYO rooms Muthoot Finance Fusion Microfinance LM ASSOCIATES	257	107

ACADEMY ILM L T info TESSOLVE SERVICE PVT. LTD. HEXAWARE KGISL ZENUS WIPRO DOTSAGE IDBI - insurance INFOSYS AMAZON CTS Swifterz Creative Services KGISL ILM SK			AHAM GLOBAL INFO TECH KG DENIM EASYED STERTO PVT LTD SANS PARELI TECHNOLOGIES THE LEGEND TECHNOLOGIES IEXEMPLAR OPEN STREAM TECHNOLOGIES Coimbatore Builders and Contractors Assoc		
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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
2019	1	BE	Aeronautical Engineering	grenoble ecola de management, singapore	masters in internationa l management
2019	1	BE	Civil Engineering	Government College of Engineering, Tirunelveli	M.E. Structural Engineering
2019	1	BE	Civil Engineering	NSS College of Engineering, Palakkad	M. Tech. Structural Engineering and Construction Management
2019	1	BE	Civil Engineering	Federal Institute of Technology, Kochi	M. Tech. Structural Engineering and Construction Management
2019	1	BE	ECE	Sasthra university	ME
2019	1	BE	ECE	Technical Institute of Munich, Germany	ME
2019	1	BE	ECE	Sakthi Institute	MBA
2019	1	BE	ECE	Hindusthan College of Technology	MBA

2019	1	BE	ECE	PSG Tech	ME
2019	1	BE	ECE	PSG Tech	ME
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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
TOFEL	3
GATE	4
Civil Services	2
Any Other	9
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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
Hinspire 19	National Level Cultural (Intercollegiate)	388
Sports -Power Lifting	National Level	80
Project Fair	Competition	194
Sports	National Level	26
Basket Ball	Anna University Zonal Level	110
Logo Soduku	Competition	55
Mr Mechanic	Competition	40
Quiz	Competition	50
Paper Presentation	Competition	20
CAD Modeling	Competition	40
View File		

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	Inter University Tournament (South Zone)	National	1	Nill	16108030	Mr. J. Devarajan
2018	Silver Medal	Internat ional	2	Nill	16102049	VIGNESH J B S
2018	Gold Medal	Internat ional	1	Nill	16102049	VIGNESH J B S
2019	first prize in C arrom(Doub	National	1	Nill	16101039	Intres P

	les) in state level cham pionship 2019- Awarded by Tamilnadu youth & sports Ass ociation , salem					
2019	first prize in C arrom(Sing les) in state level cham pionship 2019 warded by Tamilnadu youth & sports Ass ociation , salem	National	1	Nill	16101039	Intres P
2019	First prize Carrom (doubles) Ditric level corrom tournament 2019 - awarded by Virudhunag ar District Carrom Ass ociation	National	1	Nill	17101027	Eby roy M
2019	Second prize Carrom (Singles) Ditric level corrom tournament 2019 - awarded by Virudhunag ar District Carrom Ass ociation	National	1	Nill	17101027	Eby roy M
2019	INDO	Internat	1	Nill	16105064	R.NAVEEN

	-NEPAL GOODWILL C HAMPIONSHI P-19	ional				
2018	First Prize - Slogan Wri ting- Science Day - Khyaati	National	1	Nill	18104065	Khyaati
2018	Second Prize - Basket Ball-CIT COVAI TIES - Khyaati	National	1	Nill	18104065	Khyaati

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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)

Students are actively participated in various Academic and administrative committees to support the institution to maintain the higher level. The intra collegiate cultural festival called "Hinspire-18" fully organized and executed well by the set of students. Many kinds of social works, awareness creation programs, supporting village peoples near to the college, cleaning of schools and public places etc., had been carried out by the students. Helping every day's academic support to the faculties. Celebrating Teachers' Day and honoring teachers. Their involvement in the activities of the Department, in organizing various Co-curricular and Extra Curricular events, increases their ability to organize, to work with teams and lead thereby enriching their holistic development. Through Class committee meeting, Student are allowed to interact with concern HOD periodically to review teaching learning process. Peer group meeting help them to update their Feedback on the Faculty - about their teaching, the knowledge about the subject and in imparting knowledge and evaluation plays an important role in raising the standard of teaching learning process. The student are inducted into the Committees like Internal Quality Assurance Cell (IQAC), Internal Complaints Committee, Anti Ragging Committee, Hostel Committee, Sports Committee and Class Review Committee as a representation of Students' community. The students are not only active as members in various committees but also involve in many clubs functioning in the College. Student are also take part and organize many programs through their respective Department Associations, which enrich them with the recent developments in their specific domains.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Registration number 70/2006 Alumni Association plays a significant role in bridging the college Campus and the Corporates. Alumni students share their industrial experience to the budding engineers. Alumni students not only involved in guiding the juniors but also enrich the syllabus content with their involvement and suggestions in the respective Board of Studies. Every Graduation Day is a Day of Celebration for the Alumni as they have a separate Alumni get together in their respective departments. Their involvement includes

helping us as resource persons, helping in placements by hiring our students and helping the deserving students financially by the way of offering scholarships.

5.4.2 – No. of registered Alumni:

6172

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Yearly once Alumni meeting conducted and interaction with the current students have been a part of our institution for a long time. The updated technologies will be discussed and knowledge shared by the alumni to the institution. Every Graduation Day is a Day of Celebration for the Alumni as they have a separate Alumni get together in their respective Departments. New members are also added during this time. Apart from this, Annual Alumni meetings arranged by the College with the support of alumni and during that time members of the Alumni, individually take time to be with our students to encourage, empower and enlighten them with the recent developments in their own domain. HIFUSE - 2019, competence-enhancing series had been conducted to enrich the knowledge of the students in the various areas. Mr.Ganapathy manikandan, Mr.Aby thannikal Joesph, Mr.Jerald irruthayaraj, Ms.Kanimozhi, Mr.Anandu were in Alumni panel discussion and delivered the keynote on "Campus to Career - Success to Significant". Mr.Pradeep, Mr.Viswanath, Mr.Suryaprakash, Mr.Vijayakumar, Mr.Vimal were in Alumni panel discussion and delivered the keynote on "Purpose, Passion in your Second Act".

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 Institution has a clearly defined organizational hierarchy and structure to support decision making processes that are reliable with its purposes for sustaining effective execution as follows: 1) Being an Autonomous Institution, functioning under the Hindusthan Educational and Charitable Trust, the Institution has a clear organizational structure with prime body named as Governing Council, which is a statutory one that includes nominees from University Grant Commission, Affiliating University, Management, Industry, Principal and Teaching Faculty. The Academic Council headed by the Principal and comprising of Chair Persons of BOS, Senior Teaching Faculty, University Nominee, Industry Expert, Controller of Examinations, Alumni that scrutinizes and approve the academic regulations, curriculum, syllabi and provide the evaluation methods. It also ensures the Examination regulations and all academic affairs. The Finance Committee acts as advisory board to the governing body in terms of the budget, grants, incomes of various schemes and monitors the audited accounts for the same. The Board of Studies ensures the Preparation of Syllabi, keeping in view of Vision, Mission and Objective of the Departments, National and Global importance, Suggest and recommends the methodologies for TLE Process to Academic Council. 2) The organizational structure lends itself in maintaining the institutional capability and education effectiveness through the involvement of stakeholders in various Bodies/ Cells/ Committees/ Association. With the leadership of the Principal, every committee will be assigned with specific tasks pertaining to the requirements of organizing events/functions. Heads of the committees monitor the works. Regular meetings will be held prior to the function in the presence

of Principal, HODs and Committee heads. To name some Cells/ Committees/ Association – Non Statutory Committee's include Academic Audit, Admission, Anti Sexual Harassment, Anti-Ragging, Budget, Cultural, Discipline, Examination, Faculty Grievance Redressal, Library, NSS Advisory, Planning and Evaluation, Sports Advisory, Student Welfare, Students Grievance and Redressal, Time Table, Women Welfare and Empowerment Committee's, Counselling Cell, Industry and Interaction and Placement Cell. Other than this, every Department has its own Association where the association activities like Intra mural and Inter-collegiate events (Expos, Seminar, Conferences, Technical Symposia, Awareness Programmes, Extension Activities etc.,) are completely planned and executed by the Faculty and student council members under the guidance of the Heads of the Departments. 3) The Institution nurtures the young minds in association with various Clubs functioning in the campus such as NSS / YRC/ RRC / VBDC, NCC, Rotaract, Science Club, Entrepreneurship Development Cell, IPR Cell, English Literary and Oratorical Club, Fine Arts Club, Tamil Mandram / Tamil Literary Club, Industry Institute Interaction Cell / Corporate Relations / Placement Training Cell / Campus to Corporate Club, Innovation Club / Institution Innovation Cell / Fablab / Makers Space, UBA (Unnat Bharat Abhiyan), Natural Club, Talk Masters Club, IQ club, Yoga club, Reader's club, etc. The following clubs organize several societal events and also provide the leadership qualities among the students and also training is provided to the students by the experts. These kind of activities and functions fosters relationship and nurture unity among the student fraternity.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	All the courses in the college are offered under the Self Finance mode. The eligibility criteria for candidates applying for undergraduate courses and post graduate courses are different depending upon the course they choose to opt. The college follows the guidelines in eligibility criteria given by Anna University and AICTE.
Industry Interaction / Collaboration	The Industry Interaction cell brings in interactions and collaborations with <ul style="list-style-type: none"> • Roots Industries India Limited - offers training in areas like a Manufacturing process, design and methodology etc., equip the student's industrial requirement. • CREDAI-Coimbatore - offering the onsite knowledge for the students and to improve the design within the CREDAI. • Prayojana Construction Management Training Institution - to deliver the Value Added programmes. • Refrangible Society of Technophile Engineers (RSTE) - the venue partner of SUVVC(Saur Urja Vehicle Challenge) and providing services help to conducted SUVVC,

	Marketing and Promotion to the SUVC.
Human Resource Management	A common HR division of the Trust takes care of the advertisement and other activities related to the College.
Library, ICT and Physical Infrastructure / Instrumentation	The Central Library in the Institution is well equipped and automated with Integrated Library Management System. The Library provides an easy access to students, staff members and research scholars. Library has internet broadband connectivity for E-Access of reading materials. Library offers photocopying facility. Due to hectic information flow, the access towards online teaching and learning resources and acquiring other knowledge and information is mandate for the staff and students enrichment, for which the college have provided the following resources: Video Conferencing, You tube resources, lectures and tutorials, e-journals, online books etc. Large number of our staff members and students make use of NPTEL access.
Research and Development	The proposals received from the faculty members are processed by a committee and then grants are released. The project that are innovative and beneficial to the society are encouraged. Research colloquium is constituted and its takes care of the smooth functioning of the research process/activities. Economic support is provided to the faculty members in presenting/publishing research articles. A few patrons are applied.
Examination and Evaluation	The boards are encouraged to set a examination pattern according to their need. The results are published within 25 days from the last date of End Semester examination. To help the student community, withdrawal system has been introduced. A student who is taking part in national and international level tournaments or competitions or who is ill for a longer period by submitting the needed certificates and a letter can withdraw from the End Semester Examination and attend later.
Teaching and Learning	<ul style="list-style-type: none"> • Innovations in teaching and evaluation methodologies. • Regular revision/reorientation/restructuring of curricula. • Course Information sheet,

Smart material and question banks are prepared and given to students • Design Skills, Communication Skills, Entrepreneurial Skills, Information, Processing, Creative , use of media and Innovative Thinking, Leadership Skills, Problem solving Projects from industry • Variety in elective courses, Credit based multilevel. • Faculty Development Programmes, Faculty incentive for continuing education (CE), consultancy and RD are planned. • Awards for outstanding research contribution. • Established MoUs with reputed research institutions at national / International level. • Undertaking social need based projects / extension activities / tribal / rural / women empowerment related projects. • Identify and create a pool of leadership among the students and staff

Curriculum Development

The Curriculum and Syllabi under Regulations 2018-2019 is designed keeping in mind the Outcome Based Education (OBE) and Choice Based Credit System (CBCS). The course content of each course is in accordance with the Program Educational Objectives (PEOs), Program Outcomes (POs) and Course Outcomes (COs). Fast track courses implemented, Add-on drop facilities, Credit Transfer System, Value added courses provided over and above the passing credits. The CBCS enables the students to earn credits across programmes and provides flexibility for slow and fast learners in registering the required number of credits in a semester. The Blooms Taxonomy of Evaluation System is followed.

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

E-governance area	Details
Administration	Able to Access, Control and view the institutional activities such as Admission Details, Students information, Staff Details, Attendance, Bio metric for staff attendance, Fees collection, Academic progress, Inventory Status, outstanding details, Transportation, Payroll, Accounts, Exams and Results details, from anywhere in the world through PC, Mobile App and Tablet. This enables the institution to get Easy Admission Enquiry from online. Automated and quick report generation of all academic

	process such as Attendance, Internal marks, Student and Faculty progress, communication letters through E-Campus etc.,
Finance and Accounts	Preparation of annual Budgets, Collection of monthly bills for adherence to Tax procedures, Conducting of external audits . Payroll management , E-Generation of Tax payments - Form 16, Maintenance of employee provident fund. E cash and cheque vouchers, Effective fund disbursement through internet banking services NEFT, maintenance of fund mobilization and utilization records and retrieval of data.
Student Admission and Support	Admission work consist of online enquiry, online application download, Admission process, Issue of applications, Student database of course enquiry, Admission registration into required departments are done through the college Management Information System. Intimation of paying tuition fee, communication of important dates, Communication to parents, Internal marks generation, online fee payment, receipt generation , Fee unpaid details and follow up procedures are carried out through the College Management System. Student App through Android mobile gives the access for viewing their own attendance, internal marks and giving Faculty feedback. Short Messaging Services are provided to communicate the academic performance of the students
Examination	The College Management System enables class creation, Time Table, Syllabus upload, Syllabus regulation and verification, subject details, Lesson Plan, uploading of online questions, Question paper collections, communication of Exam fee, Generation of exam application, Exam time table, digital numbering, galley preparation, Conducting of online examination daily absentees list, consolidated statement of absentees, Mark entry of continuous internal assessment, uploading of End Semester Mark entry, preparation of Mark sheet, Result publication within 25 days of the evaluation are the significant functions. The system helps in receiving acceptance and feedback from external invigilators and question paper setters.

Planning and Development	<p>The college has a website to inform about workshops, conferences and faculty development programmes conducted to invite other higher educational institutions to participate. Registrations and participations are confirmed online. For intercollegiate events, students are invited to register online using the website. Admission is carried out through the E-Campus (College Management System) from Enquiry to final admission process. The students will get the course details, department information and objectives through website. Complete automation of Controller of Examinations section from syllabus to result publication. Outcome Based Education and evaluation through Blooms Taxonomy are practiced. Assessment and course attainment are processed by the office of the Controller of Examination. Budget proposals are prepared every academic year for development plans of the college.</p>
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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
No Data Entered/Not Applicable !!!				
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	National Level FDP Program on Enterprise Applicatio n Developm ent on Cloud Pass AWS	.	24/10/2018	25/10/2018	25	Nil

2018	National Level Hands on Workshop on Enterprise Application Development on Cloud Pass	.	24/09/2018	25/09/2018	10	Nill
2018	National Level Hands on Workshop on Python Programming	.	07/09/2018	08/09/2018	5	Nill
2018	National Level Workshop on Grid and Cloud Computing	.	28/07/2018	28/07/2018	10	Nill
2019	A Workshop on "Healthy Food - No oil No boil"	.	29/03/2019	29/03/2019	20	Nill
2019	Two Day Workshop on glider making	.	02/01/2019	02/01/2019	10	Nill
2019	Aerodynamics of an airplane	.	19/01/2019	19/01/2019	14	Nill
2018	One day workshop on "The art of writing project proposal for funding"	.	08/09/2018	08/09/2018	50	Nill
2018	Intellectual property rights and innovations	.	07/09/2018	07/09/2018	50	Nill
2018	Organized	.	11/04/2019	11/04/2019	50	Nill

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and Energy
Systems

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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
eyantra - Workshop on Introduction to Robotics	3	03/05/2019	04/05/2019	2
MATLAB Onramp training course	1	11/05/2019	11/05/2019	1
Two Days National Level FDP on Cloud Computing - Enterprise Application Development on Cloud Pass AWS	12	24/10/2018	25/10/2018	2
National Level Seminar on Virtual Reality	24	14/07/2018	14/07/2018	1
Workshop on CYBER SECURITY - Ethical Hacking using Kali Linux	7	07/09/2018	08/09/2018	2
National Level Seminar on Recent Advancements in Green Energy Technologies for Sustainable Environment	6	20/07/2018	21/07/2018	2
Workshop on The Art of Writing Winnable Project Proposal for Funding	6	08/09/2018	08/09/2018	1
National Level Seminar	11	09/02/2019	09/02/2019	1

on Methodologies for registering research work through patentes IPR				
NPTEL FDP on Database Management System	2	01/01/2019	01/04/2019	56
FDP on Grid and Cloud Computing	3	11/06/2018	17/06/2018	7
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
298	298	91	91

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Keeping in view the future safety of employees, Employees Provident Fund is given as per PF rules and institute contributes towards PF to teaching staff. Maternity Leave: the institution provides 30 days full paid maternity leave to all female Faculty members and if another 60 days leave needed can be availed by the staff without pay. Provision is made to economically weaker staff of our institution in the form of fees concession to their wards. Supporting teaching faculty by funding to attend seminars/ conferences, FDP etc., Reimbursement of exam fees for the online courses (MOOCS). Various leaves are available to teaching staff viz., Casual leave, Vacation leave, Compensatory leave, Medical leave and for</p>	<p>Keeping in view the future safety of employees, Employees Provident Fund is given as per PF rules and institute contributes towards PF to teaching staff. The institution provides ESI benefits to nonteaching staff. Maternity Leave: the institution provides 30 days full paid maternity leave to all female Faculty members and if another 60 days leave needed can be availed by the staff without pay. Provision is made to economically weaker staff of our institution in the form of fees concession to their wards. Various leaves are available to teaching staff viz., Casual leave, Vacation leave, Compensatory leave, Medical leave and for maternity leaves are provided staff. The trust has its own Hindusthan Hospital offers Concision to Staff members.</p>	<p>The institution covers a group accident policy for the students and it is renewed every year. Scholarships are provided to the eligible students who excel in academics and sports. Alumni Scholarships are provided to the economically weaker students. Fee concession is given to the students who participate in State/ National level sports events. The trust has its own Hindusthan Hospital offers Concision to Staff members. To provide boarding and lodging to the students from outstation, The college runs a separate hostel for boys and girls with minimum fee. Transport facility for students with concession fee is offered. Sessions on Yoga is offered for mental and physical wellbeing. The institutions takes care of the mental health of the students by offering</p>

maternity leaves are provided staff. The trust has its own Hindusthan Hospital offers Concision to Staff members. Transport facilities offered to teaching with concession fee.

Transport facilities offered to teaching with concession fee.

Counseling by expert Doctors and psychologists.

6.4 – Financial Management and Resource Mobilization

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

Internal Audit: The internal audit is done on regular basis. Quality internal auditors from the trust do a thorough quarterly basis check and verification of all payments, receipts journals, vouchers of the transactions , cash book, ledger account review that are carried out in each financial year on an accrual basis system. **External Audit:** The external Auditor appointed by the college performs audit of the financial statements of the college. The financial records are audited by qualified chartered accountants at the end of each finical year and they certify the audited statements of income and Expenditure, Balance sheets and audited statements. **Finance Committee:** The finance committee is constituted as an advisory body on all matters concerning with the finances of the college. The Governing Body review and ratifies the proceedings. • The institution has appointed a chartered accountant (CA) as an external auditor responsible for concurrent audit. • External auditor completes the statutory auditing procedures at the end of every financial year. • The boys hostel for boys, girls hostel and Controller exam unit are subject to annual audit by the institution. • The institution maintains separate books of accounts for all the units and activities which are subject to annual audit by the independent chartered accountants and financial statements are also certified by the audit firm and the audit reports are issued every year. • Grants received from various bodies like UGC, AICTE, ICSSR, DST etc., are audited and utilization certificates are submitted for the grants received.

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
Management - Hindusthan Educational and Charitable Trust	1405526	Development Activities
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6.4.3 – Total corpus fund generated

435600548

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	Education Experts from Reputed Institution	Yes	Dean - Academics / IQAC
Administrative	Yes	TUV Rhineland	Yes	TUV Rhineland

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

Parent teachers meetings are conducted to have a platform to interact with students, parents and teachers. These meetings help in improving the holistic development of the students. 1. During the meeting, the parents are informed about the Attendance of the ward, internal marks, dress code, code of conduct and the overall academic performance of the student. 2. Educative programmes for parents are offered through these kind of gatherings. A formal registration is made during the sessions. Parents are oriented on online fee payment system, usage of online education, handling of Gen Z. 3. A feedback form is received from the parents related with the syllabus offered and suggestions are received to improve student – Parent and teacher relationship. Alumni parents and businessmen offer their support through giving guest lectures, special talks and internship to the students. The Parent Teacher meeting gives us better exchange of information and communication related with the student development.

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

There is an induction and orientation programme arranged for the non-teaching staff to make them familiarize with the systems and functioning of the college. Educational and Motivational programmes are conducted for the non-teaching staff to motivate them for the desire of working. An expert trainer has engaged the sessions to motivate the non-teaching staff for developing better relationship among the staff effective communication, commitment and interpersonal relationship, and it resulted in better performance of non-teaching staff. All the non-teaching staff were taken for an outbound training to refresh themselves and to learn the importance of team work and goal setting.

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

- Outcome Based Education (OBE) and Blooms taxonomy for evaluation were introduced and implemented into the curriculum effectively from 2016 onwards. The faculty members were provided with various OBE development programmes including Faculty Development Programmes, for the continual improvement. Our faculty members had been invited as resource persons for various Institutions to handle sessions on introducing and implementing OBE.
- Graduate attributes had been framed to map the curriculum with the vision and mission of the college. Curriculum of all the departments is designed to meet the Industry expectations. Curriculum Development Committee, comprises of the Principal, Subject experts, Industry experts and faculty members helps in introducing the current trends and innovative practises in the curriculum.
- Specific Institutional Objectives are set for each academic year and the institution works towards the accomplishment of the objectives.
- In order to introduce Skill Development Programmes and to bridge the gap between Industry and Institution, the Institution has signed MoUs with various Organizations, Industries and Developmental Sectors at National and International level.
- For Undergraduate/ Post graduate Programmes Open Electives Courses have been introduced from 2017 onwards and they help the students to acquire employability skills and additional trainings/hands on experience needed beyond curriculum.
- Internship is mandatory for all students atleast 6 weeks before their graduation for that credit is also given.
- Industrial visits are arranged for all the students in department wise on all working Saturdays.
- To inculcate lifelong learning, the Institution motivates faculties and students to complete one course per year in self learning mode through online portals like NPTEL, SWAYAM, Udemy, Spoken Tutorial, Coursera etc.
- Teachers and Students were educated to use the learning resources available in NDL/eShodhSindhu/Shodhganga.
- Institutional Infrastructures were strengthened in all aspects like Networking Systems, ICT enabled classrooms, alternate energy sources, green initiatives and improvisation of the cricket ground, etc.

- The newly joined faculty members were given Faculty Induction Program for a week to adopt the Institution's system, regulations and processes.
- Orientation Programme and Student Induction Programme (SIP) were offered for UG and PG students as per the AICTE/UGC guidelines to help the new students to accommodate themselves in the new environment.
- Campus digitalisation had started from the year 2012 and with the continual improvement, now, the college has introduced online examinations, online fee payment, online voting in students' election, collecting online feedbacks, online attendance and lesson plan entry and day-today campus communication and activities etc.

6.5.5 – 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

6.5.6 – 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
2018	ISO Internal audit	24/10/2018	24/10/2018	24/10/2018	22
2018	ISO Management Review Meeting	29/10/2018	29/10/2018	29/10/2018	11
2019	ISO External Audit	19/02/2019	19/02/2019	19/02/2019	5
2019	ISO 9001: 2015 Internal Auditor Training	03/10/2019	03/10/2019	05/10/2019	5
2019	Atal Ranking of Institutions on Innovation Achievements (ARIIA)	31/01/2019	31/01/2019	31/01/2019	41
2018	National Institute Ranking Framework (NIRF)	17/12/2018	17/12/2018	17/12/2018	45
2019	India Today Ranking 2019	28/12/2018	28/12/2018	28/12/2018	36
2018	Submission of AQAR	11/12/2018	11/12/2018	11/12/2018	15

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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
A guest lecture on Menstrual Health and Hygiene	15/11/2018	15/11/2018	125	110
Guest lecture on "Why Do Boys & Girls Speak Different Language	09/01/2019	09/01/2019	136	125
A guest lecture on Self grooming & Confidence	13/02/2019	13/02/2019	155	130
An Awareness Program on Road Safety	16/10/2018	16/10/2018	188	125
Clean India , Tree Plantation - Valley Campus	23/08/2018	23/08/2018	125	110
Yoga Class for Teachers	13/03/2019	13/03/2019	129	120

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
<p>Hindusthan College of Engineering and Technology is one of the pioneers in contributing eco-friendly generation in the campus in and around the city through renewable energy systems. As an environment friendly campus, the college has its 90 of its daily electrical power consumption is derived from the solar energy. The capacity of solar installation is 120 Kw in Hindusthan College of Engineering and Technology Campus. Around 228 solar panels have been installed along with three inverters to meet the said capacity. Solar panels of Adani group have been installed by the M/s. ProSun and successful generation has been initiated .This initiative has led the campus fully independent in the power needs of its own and throughout the clock power is provided without any disruption in the campus .Thus it is a better initiative to environment friendly campus. Apart from this, solar powered street lights are installed inside the campus .To reduce the conventional the energy consumption, Solar water heaters with the capacity of 2 x 10000 liters are functioning in boys and ladies hostel. This installation considerably reduces our energy bills. In order to reduce the environmental pollution inside the campus, battery operated vehicle with seating capacity of 15 is also operated.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
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Physical facilities	Yes	Nil
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	2
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	Nil

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
2018	1	1	01/08/2018	1	Road safety awareness programme	Honda venture, coimbatore/HICET	150
2018	1	1	20/09/2018	1	Child Orphanage visit	Valley campus	150
2018	1	1	28/09/2018	1	Preparing bike parking by nss students	Valley campus	25
2018	1	1	06/10/2018	1	Swatch bharath program	Valley Campus	150
2018	1	1	16/10/2018	1	Trees sampling programme	Pasumai desam NGO /HICET, Coimbatore.	100
2018	1	1	31/10/2018	1	Temple cleaning programme	Sivan temple-othakalmandapam/HICET	20
2018	1	1	01/11/2018	1	Re planting banyan tree	Valley Campus	100
2019	1	1	26/01/2019	1	Republic day	NSS/HICET Campus	100

					program		
2019	1	1	02/02/2019	1	Environmental awareness Trekking programme	Nilagiri biosphere park, anaikatti/HICET	25
2019	1	1	16/03/2019	1	Trekking certificate distribution programme	Valley campus	25
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HUMAN RESOURCE POLICIES ADMINISTRATION MANUAL	27/07/2018	Human Resource Policies Administration Manual of Hindusthan College of Engineering and Technology was published in 2018. Core values of the college are based on United Nation's Sustainable Development goals. Every year, the college sets its objectives by considering its vision, mission and core values. To streamline the process of achieving its vision the college maintains Quality Policy and Human Resources Management Policy. It provides complete guidance in the areas like recruitment process, procedure followed in salary and other benefits of the employees, leave, Performance Appraisal, Duties and responsibilities of the Principal, Deans, Directors, Heads and Faculty Members.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Engineering Ethics	29/01/2019	29/01/2019	152
Importance Of	06/08/2018	06/08/2018	60

Reading Habit			
FDP on "Emotional Intelligence	12/10/2018	12/10/2018	60
A guest lecture on Motivation in Management	15/11/2018	15/11/2018	60
The Role of Youth in Societal Development	28/01/2019	28/01/2019	60
A guest lecture on "Leader in you	11/03/2019	11/03/2019	60
View File			

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

1. Plastic Free Campus, 2. Renewable Energy Resources like Solar is used in College and hostel. 3. Rain Water Harvesting is effectively used. 4. The campus consists of around 955 plants in 34 varieties and around 310 trees in 28 varieties. 5. Pollution sensitive plant species, bioindicators of air pollution, are abundant in the campus.. 6. Separate bins are used to collect waste. 7. The solid waste received from the hostels, classrooms and canteens are disposed regularly to maintain a clean campus. 8. Digitalization in Office, Teaching, Learning and Evaluation to reduce the use of paper the used papers and notebooks are collected every semester and recycled. 9. The lighting in the Academic, Administrative and Hostel areas is made through LED bulbs Waste water received from the hostels recycle regularly and utilized

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I

1. Title of the Practice Peer Group Meeting
2. Goal The goal is to promote self learning, provide additional resources and interact with colleagues within the classroom.
3. The context
 - Assimilation and understanding of the course
 - Issues in teaching and learning methods
 - To monitor the curriculum and beyond
4. The Practice
 - In the classroom, a smarter student is leader of the peer group. Each group consists of five to six students with different level. This composition is circulated to the class room by the class advisor/tutor with the approval of HoD/Dean Academics. Subsequently peer group meeting report is submitted to Dean on every Thursday.
 - In the class time table one period is earmarked for peer group meeting which is likely to be every Tuesday.
 - During this time peer group head will convene a meeting among students.
 - Peer group report consists of action taken also.
 - The following major points are discussed in the meeting
 - o Portions covered
 - o Study materials supplied
 - o Issues faced by Students in learning process
 - o At the end of the meeting, peer group leader will report to class advisor or tutor, they in turn consolidate as a report.
5. Evidence of Success
 - Due to this meeting, any issue in the teaching learning process is sort out by counseling given by HoD/Dean.
 - Hence any deviation in teaching learning is prevented.
 - Understanding level of students is increased.
6. Problems Encountered and Resources Required
 - o Each week peer group meeting was conducted. If any more number of holidays with in a week, the report will not much more difference than previous week.
 - o Each and every academic semester peer group will be reconstituted.

Best Practice II

1. Title: Course Information Sheet
2. Goal:
 - o To strengthen teaching learning process of every course including laboratory course
 - o information sheet is prepared in accordance with Blooms taxonomy.
 - o This process gives the lower order thing or higher order thinking of every course.

3. The context: To ease the Teaching Learning process and easy mapping of COs/POs/PSOs/PEOs in the process of outcome based learning. 4. The Practice: • During the beginning of each semester course coordinator is responsible for preparing Course Information sheet. • This sheet is validated by Head of the Department and Dean Academics. Finally it is approved by Advisor. • Each Course Information sheet consist the following major o Course learning objectives o Expected outcome of the course o Course Syllabus o Course plan o Weightage of unit contents o Mapping syllabus with Bloom's Taxonomy LOT and HOT o Mapping course outcome with Bloom's Taxonomy LOT and HOT o Mapping Course outcome with Program Outcomes and Program Specific Outcomes o Mapping with programme educational objectives o Course assessment methods 5. Evidences of Success • Teaching methodologies /opportunities have been increased. • Students completed the course in a easy manner. • Students understanding level become increased. • Faculty members also find effectiveness in teaching the course with Blooms taxonomy 6. Problems Encountered and Resources Required For higher order thinking the mapping is bit difficult. Also theory cum practical course is another way.

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

<http://hindusthan.net/hicet/>

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

Instructional Distinctiveness "Smart Material " In order to improve the learning skill and improve the pass percentage of challenger type of students, all the course handling faculty members are advised to prepare smart material in accordance to previous University question paper and end semester question papers. Smart Material is nothing but, important questions with answers which are more likely appear in examinations. This questions and answers are given to all students especially challengers. The mode of transfer may be through smart phone group of hard copy of material.

Provide the weblink of the institution

<http://hindusthan.net/hicet/>

8.Future Plans of Actions for Next Academic Year

Future Plans of action for next academic year • To get higher grade in future NAAC accreditation • More programmes to get NBA accreditation in future • Establish more Centre of Excellence • More students are encouraged to get NPTEL certification. • Establish more Industry sponsored / oriented course