



Yearly Status Report - 2019-2020

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 K KARUNAKARAN
Designation		Principal (in-charge)
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04224242424
Mobile no.		9042763777
Registered Email		hicetprincipal@hindusthan.net
Alternate Email		hiceteiehod@hindusthan.net
Address		Valley Campus, Pollachi Highway, Coimbatore
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.			04224242424		
Mobile no.			9843048080		
Registered Email			hicetiqa@hindusthan.net		
Alternate Email			hiceteihod@hindusthan.net		
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)			https://hicet.ac.in/files/AOAR%2018%20-2019.pdf		
4. Whether Academic Calendar prepared during the year			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			https://hicet.ac.in/files/Academic%20Cl%202019%20-%202020.pdf		
5. Accrediation Details					
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					
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		

NBA SAR review meeting	21-May-2020 1	30
NBA SAR review meeting	17-Mar-2020 1	30
NBA extension report - discussion	16-Mar-2020 1	30
NAAC AQAR 2018-19 Submission	18-Dec-2019 1	4
Discussion on AQAR preparation	13-Dec-2019 1	12
Discussion on AQAR preparation	04-Dec-2019 1	12
Discussion on AQAR preparation	14-Nov-2019 1	12
Discussion on AQAR preparation	31-Oct-2019 1	12
ISO Audit Meeting	23-Oct-2019 1	10
ISO Internal Audit	23-Sep-2019 3	10
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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
Prof. T.K.P.Rajagopal, Computer Science and Engineering	Unnat Bharat Abhiyan (UBA)	MHRD, Government of India	2019 730	1000000
Hindusthan College of Engineering and Technology	MHRD -Institution Innovation Council	MHRD, Government of India	2019 365	0
Dr S Saravana Sundaram, Professor, Electronics & Communication Engineering	Skill and Personality Development Program Centre for SC/ST Students.	All India Council for Technical Education	2020 1095	1588533
Hindusthan College of Engineering and Technology	UGC Vocational Course	UGC	2020 730	0
Hindusthan College of Engineering and Technology	Smart India Hackathon 2020	MHRD, Government of India	2020 4	0

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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 :

2

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)

AICTE sponsored International conference organized

Restructuring of curriculum and syllabi with R2019

Encourage faculty members to apply seed money to promote research culture in our institute.

Ecampus management system is being extensively used to reduce manual/paper work.

Usage of more ICT tools in teaching learning process.

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

Plan of Action	Achivements/Outcomes
To conduct internal auditing	ISO internal auditing conducted on 29.09.2019
To participated in India Today - MDRA Best Colleges Ranking 2020	Our College ranked 179th Rank in India Today-MDRA Best Colleges Ranking in 2020
To organize Smart India Hackathon event	Smart India Hackathon Software edition 2020 successfully conducted.
Plan to renovate Volley Ball court and	Repainting has been done in the Basket

Basket ball court	ball court and full renovation done in Volley ball court
To offer Yoga classes for teachers and students.	Successfully conducted
To organize Induction Programme for all the first year students	Each and every year Students Induction Programme are organized.
To establish a Center of Excellence	Established Center of Excellence in Automobile Engineering
To establish Digital Campus	ecampus portal is extensively used for students attendance entry, internal marks entry, fee collection etc
To encourage faculty and students to appear NPTEL exams	During this AY totally 184 faculty and students successfully completed the NPTEL exams
To establish Innovation Cell in our campus to inculcate innovation among students	Established Institution Innovation Council(IIC) as per the norms of Innovation Cell, Ministry of HRD, Govt. of India with five star.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	14-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	18-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Ecampus Management system is a professional system developed to support the requirements of educational institutions in an efficient way. It facilitates the academic activities and day to day endeavours with ease. It caters all the essential needs of an educational institution for its effective and efficient functioning. It is a well organised user friendly</p>
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solution which enables easy use of tools and options. It is a helpful solution for all the communities in the institution including Management, Students, Faculty and Parents. In our Institution Ecampus is used in many aspects for an improved efficiency. ? Day to day activities like daily student attendance entry is made which helps in monitoring the attendance of students in a regular basis ? Automatic notifications are sent to the parents indicating the absenteeism of a student for the classes(daily). ? The examination procedures like internal assessment marks are entered in ecampus and reports are generated as performance indicators. ? Evaluation marks are also recorded in ecampus after the conduct of laboratory classes. ? Analysis and interpretation of internal marks are obtained from ecampus for both theory and lab classes. ? Communication to parents in the form of letters are generated with adequate information regarding the student performance in internal tests and the attendance percentage and sent to the parents after completion of each internal assessment. ? Course materials and question banks are uploaded in the ecampus at the beginning of each semester in order to help the students for their preparation. ? Lesson plans for all the courses in the current semester are uploaded in ecampus and the portions covered for each class is reflected in the attendance entry which helps in identifying any lags from the lesson plan ? The ongoing and completed project details of the students are recorded in ecampus for a better understanding of the status of each project carried out in the campus. ? All the faculty in the institution records his/her profile in ecampus which holds all the relevant information including qualification, experience, publications, personal details etc. ? Timetable for all the classes and workload of the faculty scheduled for current semester are uploaded in ecampus. ? Fee payment details of all the students are also included in ecampus which improves transparency ? Feedback from the students for all the courses taught can be directly received through ecampus

which forms the core of an effective teaching learning process.

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	108	B.E - Mechanical Engineering	14/03/2020
BE	109	B.E - Mechatronics Engineering	28/02/2020
BTech	110	B.Tech - Information Technology	28/08/2020
BE	101	B.E - Aeronautical Engineering	10/03/2020
BE	102	B.E - Automobile Engineering	30/08/2020
BE	103	B.E - Civil Engineering	24/03/2020
BE	104	B.E - Computer Science and Engineering	10/03/2020
BE	105	B.E - Electrical and Electronics Engineering	04/09/2020
BE	106	B.E - Electronics and Communication Engineering	14/03/2020
BE	107	B.E - Electronics and Instrumentation Engineering	13/03/2020

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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	10/03/2020	19HE2071 - Language Competency Enhancement Course-II	10/03/2020
BE	Aeronautical Engineering	10/03/2020	19AE3001 - Aircraft Component	10/03/2020

			Drawing Laboratory	
BE	Aeronautical Engineering	10/03/2020	19AE5251- Aircraft Systems and General Maintenance Practices	10/03/2020
BE	Aeronautical Engineering	10/03/2020	19AE5001 - UAV design and Aeromodelling Laboratory	10/03/2020
BE	Civil Engineering	24/03/2020	19CE5302-Traffic Engineering	24/03/2020
BE	Computer Science and Engineering	10/03/2020	19HE1073 - Entrepreneurship & Innovation	10/03/2020
BE	Electronics and Communication Engineering	14/03/2020	19HE1072-Career Guidance Level-I-Personality, Aptitude and Career Development	14/03/2020
BE	Electronics and Communication Engineering	14/03/2020	19HE4071-Career Guidance Level -IV- Personality, Aptitude and Career Development	14/03/2020

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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	"19AE5251- Aircraft Systems and General Maintenance Practices, 19AE5001- UAV design and Aeromodelling Laboratory, 19AE6001 Structural Simulation Laboratory, 19AE7002 - Flow Simulation Laboratory, 19AE5304- Non Destructive Evaluation, 19AE7301 - Nano Science and Technology, 19AE8305 -Combustion in Aerospace Engineering, 19AE8308- Product Design and Development, 19AE7401-	10/03/2020

	Introduction to Drones,	
BE	19AU6202 Vehicle Dynamics and Control Systems, 19AU6251 Automotive Vehicle Body and Aerodynamics, 19AU7251 Electric and Hybrid Vehicle, 19AU5302 Tyre Technology, 19AU5304 Battery Technology, 19AU5305 Noise, Vibration and Harshness, 19AU6303 Ergonomics in Automotive Design, 19AU6304 Tractor and Farm Equipments, 19AU7302 Railway Engineering, 19AU7304 Tribology and Terotechnology, 19AU7305 Entrepreneurship Development, 19AU8301 Automotive Infotainment, 19AU8303 Automotive Painting Technology, 19AU8304 Non Destructive Testing and Materials, 19AU8305 Motorsports Engineering, 19AU8306 Automotive Testing and Diagnosis, 19AU8307 Industry 4.0, 19AU8308 Autonomous Vehicle Technology	30/08/2020

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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	10/03/2020
BE	Automobile Engineering	30/08/2020
BE	Civil Engineering	24/03/2020
BE	Computer Science and Engineering	10/03/2020
BE	Electrical and Electronics Engineering	04/09/2020
BE	Electronics and Communication Engineering	14/03/2020
BE	Electronics and Instrumentation Engineering	13/03/2020
BE	Mechanical Engineering	14/03/2020

BE	Mechatronics Engineering	28/02/2020
BTech	Information Technology	28/08/2020
BE	Agriculture Engineering	10/09/2020
BE	Biomedical Engineering	12/03/2020
BTech	Food Technology	05/09/2020
BTech	Chemical Engineering	05/09/2020
ME	Applied Electronics	04/09/2020
ME	Communication systems	14/03/2020
ME	CSE	10/03/2020
ME	CAD CAM	12/09/2020
MCA	MCA	13/04/2019
MBA	MBA	18/03/2020

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
Ansys - Fluent	06/07/2019	101
Sheet metal operations and Injection moulding machine demonstration	27/09/2019	54
AutoDesk Fusion 360	26/02/2020	60
STAAD.Pro	07/09/2019	126
C Programming	25/11/2019	101
Java Programming	02/12/2019	96
PLC, SCADA, HMI and VFD	09/02/2020	106
Embedded Training Course	12/03/2020	273
PLC, SCADA, HMI and VFD	09/02/2020	35
Python Programming	25/06/2019	42
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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	63
BE	Automobile Engineering	73
BE	Civil Engineering	81
BE	Computer Science and Engineering	82
BE	Electrical and Electronics Engineering	144
BE	Electronics and	52

	Communication Engineering	
BE	Electronics and Instrumentation Engineering	72
BE	Mechanical Engineering	44
BE	Mechatronics Engineering	61
BTech	Information Technology	15
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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)

<p>Feedback Obtained</p> <p>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 online students' feedback. An expert member from the Industry background is included as Board of Studies member for regular and constant involvement in framing the Curriculum in order to avoid curriculum gap. The curriculum and syllabi were framed based on the input from various stakeholders like Head of the Institution, Head of the Department, Faculty members, Students, Alumni, Employers, and Professional bodies as per the following steps: Step 1: Board of studies members prepared draft curriculum based on the Inputs obtained from all stakeholders, Inputs from external expert academicians, experts from Industry, Benchmark given by Anna University and by considering other reputed Institutions like IITs, NITs, Best Private and Foreign Universities. Step 2: Pre-BOS meetings suggestions were taken from Industry experts and academicians. Step 3: Head of the Department/BOS Chairman collected data on current and future trends related to the programs being run by the Department by visiting MNC companies like Messer Cutting, National Instruments, Wipro, Robert Bosch, CTS and Infosys. Step 4: Suggestions were taken from stakeholders (students, alumni, employees, industry, management, parents and professional bodies). Step 5: The views were analyzed and reviewed by the Program Assessment Committee and suggestions were incorporated in the syllabi. Step 6: Suggestions of the Departmental Advisory Committee (DAC) were taken and were finalized in DAC meeting. Step 7: Head of the Department presented Curriculum and Syllabi to the Board of Studies and then to Academic Council. Feedback were analyzed and reviewed by the committee and suggestions were incorporated in the following areas • The Curriculum gap is filled by means skill oriented courses are introduced. • Soft skill courses are compulsory made in curricula. • Internship is made mandatory for all programs. • Necessary Initiatives are taken to improve the overall development of the Department/Institutions.</p>
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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	Information Technology	120	124	114
BE	Mechatronics Engineering	120	81	70
BE	Mechanical Engineering	180	125	111
BE	Electronics and Instrumentation Engineering	60	38	28
BE	Electronics and Communication Engineering	180	149	138
BE	Electrical and Electronics Engineering	120	66	58
BE	Computer Science and Engineering	180	213	180
BE	Civil Engineering	120	69	52
BE	Automobile Engineering	60	33	28
BE	Aeronautical Engineering	120	84	77

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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
2019	4533	199	275	15	22

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
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312	312	22	55	20	20
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)

The institute adopt one of the most effective mechanisms that bridges the gap between the student and teaching community is Tutor Ward System or Mentor-Mentee system. Hindusthan College of Engineering and Technology College effectively implement this system to identify different categories (Advanced learners, Average learners and Slow Learners/Challengers) of students through 'Tutor Ward Meeting'. Each faculty member is assigned a group of students as their wards. Faculty member has the additional responsibility like moldings and guiding their wards in all academic and extracurricular activities. Slow learners with difficulties in understanding and learning are paid individual attention, also guided and trained by the tutor for their better ways of learning. Sharing of the own issues with their tutors will help to relief to the students, enabling them peacefully to concentrate towards their studies. The tutor ward system helps to maintain a record of academic, co-curricular 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. Students will be counseled by the respective tutors and provide the report about the status of the students. This method deliberately helps every single student of the class to improve his or her reasoning skills and it acknowledges the tutor 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. In addition to that, the tutor has to maintain the residential status of each ward that is day scholar/hosteller, the current communication address/email/Mobile no of the parents along with the occupation of each parent with financial back ground. The semester results, monthly test results and any additional information's are sent to parent by tutor. Remedial classes are scheduled to improve the performance of the students who are unable to cope with. Utmost care is taken by the tutor to inform their parent about wards' attendance particulars so that, parents are aware about it. WhatsApp/email group is created to disseminate details to students. Assignment posted information and/or any other academic related messages are communicated to this group. Monitor the wards progress in the laboratories and ensure that the wards submit their lab record/assessment sheets regularly. Ensure that each ward gets the books/notes for all the subjects.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4732	312	1:15

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
30	30	Nill	30	3

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
2020	Dr Seenuvasan M	Professor	Online non-credit Specialization Certificate received for English for Research Publication Purposes received from Coursera

2019	Dr Seenuvasan M	Professor	Guest Editor for the special issue on Recent Advances in Environmental Science and Pollution Research for the journal Journal of Environmental Biology indexed in Scopus and Web of Science (IF - 0.781)
2019	Dr.K.Samuvel	Professor	Appointed as person of eminence for All India Bar Examination conducted by Bar Council of India for examination conducted during September 2019
2019	Dr.K.Nithyavathi	Associate Professor	Conferred with Best Professor by ESN Awards in Chennai on September 28th, 2019
2019	Ms.V.Kanimozhi	Assistant Professor	Topper in NPTEL online certification Course(During Aug-Oct 2019)-Marketing Research and Analysis
2020	Dr.R.Poornima	Assistant Professor	WOMEN RESEARCHER AWARD by VD GOOD technology factory
2019	Ms.E.Sumathi	Assistant Professor	Topper in NPTEL online certification Course(During July-sep 2019)-Technical English for Engineers
2019	Ms.K.Nithya	Assistant Professor	Topper in NPTEL online certification Course(During July-Oct 2019)-Introduction to Methods of Applied Mathematics
2019	Ms.S.J.Pradeepa	Assistant Professor	Topper in NPTEL online

			certification Course(During July-Oct 2019)-Analytical Chemistry
2019	Dr.T.Roja Mary	Assistant Professor	Topper in NPTEL online certification Course(During July-Oct 2019)-Calculus of One Variable
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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	102	7,5,3 Semester	31/12/2019	14/01/2020
BE	101	7,5,3 Semester	31/12/2019	14/01/2020
BE	103	7,5,3 Semester	31/12/2019	14/01/2020
BE	104	7,5,3 Semester	31/12/2019	14/01/2020
BE	105	7,5,3 Semester	31/12/2019	14/01/2020
MBA	206	4 Semester	13/03/2020	09/10/2020
BE	106	8 Semester	13/03/2020	09/10/2020
BE	107	8 Semester	13/03/2020	09/10/2020
BE	108	8 Semester	13/03/2020	09/10/2020
BE	109	8 Semester	13/03/2020	09/10/2020
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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
15	7408	0.2

2.6 – Student Performance and Learning Outcomes

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

<https://hicet.ac.in/files/CO%20&%20PO%20MANUAL.pdf>

2.6.2 – Pass percentage of students

Programme	Programme	Programme	Number of	Number of	Pass Percentage
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Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
101	BE	Aeronautical Engineering	104	91	87.5
102	BE	Automobile Engineering	59	56	94.91
103	BE	Civil Engineering	126	115	91.27
104	BE	Computer Science and Engineering	156	144	92.31
105	BE	Electrical and Electronics Engineering	118	115	97.45
106	BE	Electronics and Communication Engineering	138	132	95.65
107	BE	Electronics and Instrumentation Engineering	50	46	92
108	BE	Mechanical Engineering	192	187	97.39
109	BE	Mechatronics Engineering	118	117	99
110	BE	Information Technology	96	94	97.91
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2.7 – Student Satisfaction Survey

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

<https://hiet.ac.in/files/Student%20Satisfaction%20Survey.pdf>

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

Yes

Name of the teacher getting seed money

Dr. M. Mohanraj

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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
National	Dr. K. Siva	SAUR URJA VEHICLE CHALLENGE (SAE) Appreciation Award for hosting the event	01/03/2020	SAUR URJA VEHICLE CHALLENGE organized by RSTE, Madhya Pradesh
International	Dr. M. Mohanraj	Recognized as a visiting Faculty	19/11/2019	Satbayev University, Almaty Republic of Kazakhstan
International	Dr. M. Mohanraj	Recognized as Research Consultant	01/12/2019	Satbayev University, Almaty Republic of Kazakhstan
International	Dr. M. Mohanraj	Reviewer Recognition Award	22/01/2020	Elsevier Publishers
International	Dr. M. Mohanraj	Guest Editor for Special Issue on Thermal analysis and Energy systems	01/09/2020	Springer Publishers
National	Dr. Y. Ras Mathew	Dronachariyar Award for SAE EFFICYCLE 2019	06/10/2019	SAEINDIA
International	Dr.R.Lakshmana Kumar	Recognized as ACM Distinguished Speaker	23/06/2020	Association of Computing Machinery, USA
International	Dr.R.Lakshmana Kumar	Recognized as IEEE Brand Ambassador	19/06/2020	IEEE, USA

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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)	730	UBA - Village Adoption Scheme	1000000	2019

Any Other (Specify)	1092	AICTE - RPS	574000	2019
Students Research Projects (Other than compulsory by the University)	182	TamilNadu State Council for Science and Technology (TNSCST)	7500	2020
Any Other (Specify)	730	AICTE	1171000	2019
Any Other (Specify)	182	Institution of Engineers (India)	20000	2019
Any Other (Specify)	730	AICTE	952000	2019
Any Other (Specify)	1095	AICTE	1588533	2019
Students Research Projects (Other than compulsory by the University)	182	TamilNadu State Council for Science and Technology (TNSCST)	7500	2020
Students Research Projects (Other than compulsory by the University)	182	TamilNadu State Council for Science and Technology (TNSCST)	7500	2020
Any Other (Specify)	6	AICTE - STTP	280000	2020
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

11

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
Webinar on Full Stack Development	Computer Science and Engineering	17/07/2020
Seminar on Anatomy	Biomedical Engineering	23/09/2019
Intellectual Property Rights Inoovations Entrepreneurship	Mechanical Engineering	06/11/2019
Inauguration of Indian Concrete Institute Student Chapter (ICI)	Civil Engineering	04/10/2019

National Level Workshop on "Computerized Land Surveying Using Total Station" (In Association with GeoMAPL Infra Surveyors and Engineers, Coimbatore)	Civil Engineering	07/03/2020
Recent Trends and career oppurtunities in UAV systems(Seminar)	Aeronautical Engineering	13/07/2019
Unmanned aerial systems design and applications(Seminar)	Aeronautical Engineering	30/08/2019
Design, Fabrication Flying course on Unmanned Aerial Vechicle(Workshop)	Aeronautical Engineering	20/01/2020
Drone Technology(Workshop)	Aeronautical Engineering	07/02/2020
Workshop on React JS	MCA	22/02/2020
Hands on Training on Introduction to Machine Learning	MCA	17/08/2019
Seminar on Artificial Intelligence	MCA	03/12/2019
CSIR Sponsored National Seminar On " Power Of Big data In Cyber Security : Contemporary Research Methods"	ECE	12/07/2019
AICTE Sponsored FDP on Deep Learning in Bio-Medical applications for IOT	ECE	04/11/2019
DST-NIMAT Sponsored Entrepreneurship Awareness Camp (EAC)	ECE	06/09/2019
CSIR Sponsored National Level Seminar on "Application of Wireless Data Communication Using 3D IC Technology"	ECE	05/09/2019
CSIR Sponsored National Level Seminar - Explorations on Deep Learning in Biomedical Informatics	ECE	19/12/2019
DST Sponsored Entrepreneurship Awareness Camp (EAC)	ECE	06/01/2020
CSIR Sponsored National level Seminar on "Home Automation and Smart	ECE	09/01/2020

Security Using Internet Of Things"		
DST-NIMAT Sponsored Entrepreneurship Awareness Camp (EAC)	ECE	18/12/2019
Guest Lecture on Guidelines for abroad education	Computer Science and Engineering	13/07/2019
Guest Lecture on Attributes of overseas education	Computer Science and Engineering	26/07/2019
Guest Lecture on Online Compilation and Coding Practices	Computer Science and Engineering	03/08/2019
One day Seminar on Internet of Things	Computer Science and Engineering	07/09/2019
One day Seminar on Higher Education	Computer Science and Engineering	21/09/2019
National Level Seminar on Recent Trends in Health Care Industry : Machine Learning and IOT Based Solutions	Computer Science and Engineering	28/09/2019
Two Days workshop on Cloud based Machine Learning for IOT devices	Computer Science and Engineering	16/08/2019
Digital Marketing	Computer Science and Engineering	04/01/2020
Professional Communication	Computer Science and Engineering	25/01/2020
Cyber Security	Computer Science and Engineering	01/02/2020
Computer Graphics and Virtual Reality	Computer Science and Engineering	12/02/2020
SAP and RPA	Computer Science and Engineering	29/02/2020
Coding Competition	Computer Science and Engineering	28/04/2020
Data Analytics	Computer Science and Engineering	29/04/2020
Elearning	Computer Science and Engineering	30/04/2020
Digital Marketing	Computer Science and Engineering	01/05/2020
Webinar-Office 365	Computer Science and Engineering	02/05/2020
Webinar on Machine Learning	Computer Science and Engineering	26/05/2020

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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
Acted as a program committee member of Book_ESL_2019 (Elements of Statistical Learning)	Dr.S.Shankar	Elements of Statistical Learning	23/09/2019	Certificate of Appreciation
Awarded with certificate of Excellence in recognition of an outstanding contribution to the quality of the journal	Dr.S.Shankar	Asian Journal of Probability and Statistics	25/06/2020	Certificate of Excellence
Certificate of Appreciation from NPTEL for his instrumental role as SPOC	Dr.S.Shankar	Swayam NPTEL local chapter from IIT Madras	01/01/2020	SPOC
Certificate of Appreciation from NPTEL for his instrumental role as SPOC	Dr.S.Shankar	Swayam NPTEL local chapter from IIT Madras	01/07/2019	Certificate of Excellence
Best Accredited Student Branch Award	Dr.Jasmine Selvakumari	Computer Society of India (CSI)	18/01/2020	Institution
Mentor Award Smart India Hackathon 2019	Maheshkumar N, Radhakrishnan P	MHRD SIH -2019	07/07/2019	National Level
Research Consultant	Dr. M. Mohanraj	Satbayev University, Almaty Republic of Kazakhstan	01/12/2019	International Collaboration
Model Presentation(Won 1st Prize Cash 25000)	P Ramkumar, G.Navinkumar, T.Mahakrishnan, S.Joel, M. R. Karthick	Sri Manakula Vinayaga College Ponicherry	28/02/2020	National Levelproject Model Presentation
Best Paper Award	Dr.S.J.Narmadha, Mohammed Riyas Hemamadhana A Deepika K	Hindusthan College of Engineering and Technology	06/03/2020	International conference
Best Paper Award	S.Ss.Sindhu S.Sowmya Hema	SNS College of Technology	27/03/2019	International conference

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Incubation Center	MSME	MHRD	VITRA E-Vehicles Maintenance Company (Dept. of Mechanical Engg.)	Small scale Industry	24/06/2020

[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
Electronics and Communication Engineering	1
Science and Humanities	4
Agriculture Engineering	1
Civil Engineering	2
Department of Computer Applications	1
CSE	7
Electrical and Electronics Engineering	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Aeronautical Engineering	6	2.27
International	Automobile Engineering	4	1.02
National	Civil Engineering	1	1
International	Civil Engineering	2	0.12
International	Computer Science and Engineering	23	2.56
International	Electrical and Electronics Engineering	17	1.25
International	Electronics and Communication Engineering	20	1.5
International	Electronics and Instrumentation Engineering	6	2.26

International	Mechanical Engineering	13	2.56
International	Mechatronics Engineering	3	2.26
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
B.Tech - Information Technology	6
B.E - Mechatronics Engineering	3
B.E - Mechanical Engineering	12
B.E - Electronics and Instrumentation Engineering	17
B.E - Electronics and Communication Engineering	21
B.E - Electrical and Electronics Engineering	20
B.E - Computer Science and Engineering	45
B.E - Civil Engineering	16
B.E - Automobile Engineering	6
B.E - Aeronautical Engineering	13
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Dr S. SaravanaSundaram, A Novel PSO based automated optimally controlled watering system for a coriander plant field using wireless sensor network	Published	201941035891 A	18/10/2019
Dr. B. Dhiyanesh, System and Method for Cooking Food Items	Published	201941030758	30/07/2019
Dr. B. Dhiyanesh, Quality Healthcare and reduced healthcare spending achieved through Artificial Intelligence and Big data	Published	201941031693	08/06/2019
Dr. B. Dhiyanesh,	Published	201941035581	09/04/2019

Portable Air Conditioner for Vehicles			
Dr. Sarojini Yarramsetti Emergency vehicle warning system and method for traffic decongestion at intersections	Published	201941053565	01/03/2020
R.Lakshmana Kumar Industrial Digital Assistants (Ida): Designing And Reorganizing The Workplace Layout For The Industries Through Ai Techniques During Large Scale Pandemics	Published	2020101596	31/07/2020
Dr. C. Nithyanandam, Artificial Intelligence Enabled Bot For Railway Track Cleaning	Published	202041007777A	06/03/2020
Dr. C. Nithyanandam, Mr. K. Sri Harish Smart Cost Sanitizer Spray Machine	Published	202041022832 A	12/06/2020
Dr. C. Nithyanandam, Fully day Automatic Touch less Mist Sprays Sanitizer Dispenser	Published	202041025219 A	19/06/2020
Dr S. SaravanaSundaram, 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
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
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Recent advancements and applications of nanotechnology in expelling heavy metal contaminants from wastewater	M.Seenuvasan, V. Vothini, M. Anil Kumar, A.Sowmiya	Biochemical and Environmental Bioprocessing: Challenges and Developments	2020	0	Hindusthan College of Engineering and Technology	Nil
Diffusion Limitations in Biocatalytic Reactions: Challenges and Solutions	Malar, C.G., Seenivasan, M., Sathishkumar, K	Biochemical and Environmental Bioprocessing: Challenges and Developments	2020	0	Hindusthan College of Engineering and Technology	Nil
Comparative Study of Resilient Authenticated Key Exchanges and Security Issues in Cloud Computing Environment	Dr. A. R. Jayasudha	International Journal for Research Trends and Innovation	2020	0	Hindusthan College of Engineering and Technology	Nil
A survey on data preparation and feature engineering in Machine Learning	Mrs. M. Nirmala, SeenuSelvi	International Journal of Advanced Research in Computer Engineering and Technology	2019	0	Hindusthan College of Engineering and Technology	Nil
A Digital DNA Sequencing Engine for Ransomware Detection Using Machine Learning	R.Lakshmana KumarFiroz Khan Cornelius Ncube Seifedine Kadry Yunyoung Nam	IEEE Access	2020	1	Hindusthan College of Engineering and Technology	1
Hybrid	R.Lakshman	Neural	2020	2		2

method for mining rules based on enhanced Apriori algorithm with sequential minimal optimization in healthcare industry	ana Kumar, M. Sornalakshmi, S. Balamurali, M. Venkatesulu, M. Navaneetha Krishnan, Seifedine Kadry, Gunasekaran Manogaran, Ching-Hsien Hsu Bala Anand Muthu	Computing and Applications			Hindusthan College of Engineering and Technology	
Detecting malicious URLs using binary classification through ada boost algorithm	R.Lakshmana Kumar, Firoz Khan, Jinesh Ahamed, Seifedine Kadry	International Journal of Electrical and Computer Engineering (IJECE)	2019	4	Hindusthan College of Engineering and Technology	4
Diagnosis of diabetic retinopathy using multi level set segmentation algorithm with feature extraction using SVM with selective features	R.Lakshmana Kumar, J. Pradeep Kandhasamy, S. Balamurali, Seifedine Kadry	Multimedia Tools and Applications	2019	6	Hindusthan College of Engineering and Technology	6
A new framework to alleviate DDoS vulnerabilities in cloud computing	R.Lakshmana Kumar, A Saravanan, SS Bama, S Kadry	International Journal of Electrical and Computer Engineering (IJECE)	2019	8	Hindusthan College of Engineering and Technology	8
Onto based cluster labelling	Dr.R.Lakshmana Kumar	International Journal of Engineering	2019	24	Hindusthan College of Engineering	3

and incremental system for information retrieval		g and Technology			g and Technology	
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Onto based cluster labelling and incremental system for information retrieval	Dr.R.Lakshmana Kumar	International Journal of Engineering and Technology	2019	24	Nil	Hindusthan College of Engineering and Technology
A new framework to alleviate DDoS vulnerabilities in cloud computing	R.Lakshmana Kumar,A Saravanan, SS Bama, S Kadry	International Journal of Electrical and Computer Engineering (IJECE)	2019	4	8	Hindusthan College of Engineering and Technology
Diagnosis of diabetic retinopathy using multi level set segmentation algorithm with feature extraction using SVM with selective features	R.Lakshmana Kumar, J. Pradeep Kandhasamy, S. Balamurali, Seifedine Kadry	Multimedia Tools and Applications	2019	4	6	Hindusthan College of Engineering and Technology
Detecting malicious URLs using binary classification through	R.Lakshmana Kumar, Firoz Khan, Jinesh Ahamed, Seifedine	International Journal of Electrical and Computer Engineering	2019	4	4	Hindusthan College of Engineering and Technology

ada boost algorithm	Kadry	(IJECE)				
Hybrid method for mining rules based on enhanced Apriori algorithm with sequential minimal optimization in healthcare industry	R.Lakshmana Kumar, M. Sornalakshmi, S. Balamurali, M. Venkatesulu, M. Navaneetha Krishnan, Seifedine Kadry, Gunasekaran Manogaran, Ching-Hsien Hsu Bala Anand Muthu	Neural Computing and Applications	2020	4	2	Hindusthan College of Engineering and Technology
A Digital DNA Sequencing Engine for Ransomware Detection Using Machine Learning	R.Lakshmana Kumar, Firoz Khan Cornelius Ncube Seifedine Kadry Yunyoung Nam	IEEE Access	2020	4	1	Hindusthan College of Engineering and Technology
A survey on data preparation and feature engineering in Machine Learning	Mrs. M. Nirmala, Seenu Selvi	International Journal of Advanced Research in Computer Engineering and Technology	2019	1	3	Hindusthan College of Engineering and Technology
Comparative Study of Resilient Authenticated Key Exchanges and Security Issues in Cloud Computing Environment	Dr. A. R. Jayasudha	International Journal for Research Trends and Innovation	2020	1	2	Hindusthan College of Engineering and Technology
Assessing	Dr.K.Nit hyavathi	AEGAEUM JOURNAL	2019	1	Nil	Hindusthan

the overall employees opinion about Reward and Recognition - A study with special reference to Dharani sugars and chemicals Ltd, Chennai						College of Engineering and Technology
Diffusion Limitations in Biocatalytic Reactions: Challenges and Solutions	Malar, C.G., Seenivasan, M., Sathishkumar, K	Biochemical and Environmental Bioprocessing: Challenges and Developments	2020	11	1	Hindusthan College of Engineering and Technology
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	55	694	152	120
Presented papers	63	19	Nil	Nil
Resource persons	7	13	6	2
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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)
Ms.V.Kanimozhi, Master of Business Administration	Customers Perception about Swiggy	Bundl Technologies Private Limited	20000
Dr. Y. Ras Mathew, Department of Mechanical Engg.	Design and Development of Coconut shell Cutter	Dharani Industries, Pollachi	100000
Dr. Y. Ras Mathew, Department of Mechanical Engg.	Design and Development of Electric Trolley	VITRA E-Vehicles Maintenance Company	15000
Dr. Y. Ras Mathew, Department	Design and Development of	Jose Rubber Sheet Cottage,	35000

of Mechanical Engg.	Solar Assisted Rubber Sheet Drier	Kanyakumari.	
Mr. R. Jayaraj, Computer Science and Engineering	Furnace Charger Calculator	P.C. SONS Casting Limited, Coimbatore	20000
Mr. R. Jayaraj, Computer Science and Engineering	Video Animation Project	P.C. SONS Casting Limited, Coimbatore	10000
Mr. R. Jayaraj, Computer Science and Engineering	Crystal Report Project	P.C. SONS Casting Limited, Coimbatore	10000
Dr. P. Subashree, Department of Civil Engineering	Solid Block Testing	VGV Blue Metals, coimbatore	500
Dr. P. Subashree, Department of Civil Engineering	Composite Cylinder Testing	Fairy land Foundations Pvt. Limited, Coimbatore	1600
Dr. S. Shankar, Computer Science and Engineering	Website Development	Coimbatore College of Commerce Pvt. Ltd	180000
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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
Bio-Medical Engineering	Documentation and Filing Process	Hindusthan Hospitals, Coimbatore	2500	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
Jal sakthi abiyam -Rain water harvesting awareness programm	Othakalmandapam, Panchayath, Govt of Tamilnadu/HICET	25	150
Independence day programme	NSS/HICET	25	100
Tree planatation programme	NSS/HICET	25	50
Swach Pakhwada (treeplantation, helmet awareness/cleanindia) awareness mass rally	HICET/ 2(TN) CTC NCC, Cbe, DDG/DG NCC	10	34
Blood Donation on	HICET/ 2(TN) CTC	1	10

NCC Day	NCC, Cbe, DDG/DG NCC		
Arogya Sethun App usage for COVID-19 safe	2(TN) CTC NCC, Cbe, DDG/DG NCC Ministry of Health,	30	60
Online Survey for Cadet ANO by DG NCC App	HICET/ 2(TN) CTC NCC, Cbe, DDG/DG NCC Ministry of Higher Education, MHRD, New Delhi	2	69
ALC(Advanced Leadership Camp) Volunteer	HICET/ 2(TN) Bty Bn NCC, Cbe, Cbe GP NCC - AIRWING	3	25
IGOT Training for NCC cadets	HICET/ 2(TN) Air Sqn NCC, Cbe, DDG/DG NCC Ministry of Health,	1	17
MyLifeMyYoga- Prime ministers office International Yoga Day competition	2(TN) Air Sqn NCC, Cbe, DDG/DG NCC Ministry of Health,	1	2
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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
Attended pre RDC camp held at Coimbatore	RDC Parade	Deputy Director General, NCC, Chennai	1
Arrangement For Election Training Programme For Government Officials	Voters Day	District Collectrate, Coimbatore District	10
Drawing competition Organized By NSS Hicet Regarding Awareness On Voters Day	Voters Day	District Collectrate, Coimbatore District	12
Volunteer for All India level ALC camp	Appreciation for Volunteer	2(TN) Bty Bn NCC, Cbe , GP NCC	25
Inter Group Firing Competition	selected for final round	Coimbatore GP NCC	7
National level Karate	National winner	National Karate Association	1
Marathon	Appreciation for Complete the running	Athletics association	1

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Clean India	HICET/2(TN) CTC NCC, Cbe, kovai GP NCC, DDG/DG NCC	Tree plantation	5	24
National Service Scheme	HICET NSS Team	Campus cleaning programme	2	50
National Service Scheme	Temple cleaning programme	HICET/Perumal temple,othakalm andapam	2	50
National Service Scheme	Aravindh eye hospital HICET	Eye camp	2	150
COVID Awareness	HICET NSS Team	During lockdown, at students hometown, Awareness about COVID-19virus to nearby public	Nil	50

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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
Project - Development of heat pump systems for heating applications for Continental Climates	Dr. M. Mohanraj, Professor, Department of Mechanical Engg.	Ministry of Education and Science, Kazakhstan Word Bank	25
As a visiting faculty for handling classes to Masters degree students on the field of 'Renewable Energy and Heat Pump Systems'	Dr. M. Mohanraj, Professor, Department of Mechanical Engg.	Satbayev University, Almaty Republic of Kazakhstan	8
Hands on Training	51 Mechanical Engg. Students	Roots Industries, Coimbatore	1
Hands on training on fixed and rotary wing models , Associated with	108 students of Aeronautical Department	Management	5

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Coimbatore Builders and Contractors Association (CEBACA)	03/01/2020	07/03/2020	5
Internship	Summer Internship	Milma Ernakulam Regional co-operative Milk producer Union Ltd	10/06/2019	06/07/2019	1
Internship	Summer Internship	The Travancore Cements Ltd	10/06/2019	06/07/2019	1
Training	Implant Training	Lakshmi Constructions, Cuddalore	19/11/2019	08/12/2019	4
Internship	Python	Infoziants Systems Pvt Ltd	15/05/2019	29/05/2019	3
Internship	Internship Training	Finetech Toolings, Bangalore	06/12/2019	20/12/2019	3
Project	UG Project	Kerala Feeds Limited, Thrissur	28/01/2019	13/02/2019	1
Project	UG Project	Indo Shell Cast Pvt. Ltd, Coimbatore	23/07/2019	08/01/2020	2
Implant Training	Implant Training	Menaka Constructions, Theni	20/11/2019	10/12/2019	2
Implant Training	Implant Training	Sanchajana Constructions, Kozhikode	19/11/2019	10/12/2019	1

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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
Kannan Jubilee Coffee Company, Coimbatore - 641034	14/10/2019	Curriculum Design, Industrial Training and Visit, RD etc	13
Raha Oils Private Limited, Coimbatore	14/10/2019	Curriculum Design, Industrial Training and Visit, RD etc	30
Roots Industries India ltd, Coimbatore.	05/10/2019	Curriculum Design, Industrial visit, Inplant Training Job assistance	126
Periyasamy Hydraulic Equipments, Coimbatore	11/10/2019	Curriculum Design, Industrial visit, Inplant Training Placement	210
Refrangible Society Technophile Engineers(RSTE) , Madyapradesh	01/11/2019	Solar Vehicle Challenge Competition(national level conducted), Job assistance	180
MAS Solar System Private Limited	11/01/2019	Solar Installation Training/Placements	15
Coimbatore Builders and Contractors Association (CEBACA)	03/01/2020	Pre-Employment Training Programmes, Internships and Placements	5
GeoMAPL Infra Surveyors and Engineers, Coimbatore	07/03/2020	Internship, Training and Placement	154
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
187.19	195

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Seminar Halls	Newly Added

Laboratories	Newly Added
Class rooms	Newly Added
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
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Dolphin Lips iNet5.0	Fully	5.0.100	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	72939	31673272	575	384307	73514	32057579
Reference Books	6381	1083055	75	38320	6456	1121375
Journals	205	945000	11	135610	216	1080610
CD & Video	3694	135000	463	55000	4157	190000
Others(s pecify)	23	27336	8	11399	31	38735

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr.R.Lakshmana Kumar	Blockchain - An authentic approach to Fuel up global economy after COVID-19	YouTube	21/05/2020
Dr.R.Lakshmana Kumar	AI based Face Mask Detection	YouTube	16/05/2020
Dr.R.Lakshmana Kumar	Telemedicine for Remote access and monitoring of elderly health	YouTube	10/05/2020
Dr.R.Lakshmana Kumar	MHRD COVID 19	YouTube	14/04/2020

Mr.Vimit Varghese	Verbal	Examly	20/05/2020
Ms.S.Saranya	Reasoning	Examly	20/05/2020
Mr.E.Gowthman	LabVIEW CLAD - Data types and Data Coercion	YouTube	13/06/2020
Mr.E.Gowthman	LabVIEW CLAD - Data types and Data Coercion Questions and Answers	YouTube	17/06/2020
Mr.E.Gowthman	LabVIEW CLAD -Loop concepts part II - FOR loop	YouTube	01/07/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1629	26	200	2	5	10	15	200	0
Added	130	1	0	0	0	1	0	0	0
Total	1759	27	200	2	5	11	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
Dr.R.Lakshmana Kumar	https://www.youtube.com/watch?v=CifylrZvQdI
Dr.R.Lakshmana Kumar	https://youtu.be/_MSoSP5OTPO
Dr.R.Lakshmana Kumar	https://youtu.be/h_e7u10xXOA
Dr.R.Lakshmana Kumar	https://youtu.be/d6rRh04GmyI
Mr.E.Gowthaman	https://youtu.be/L76BW-sVbhI
Mr.E.Gowthaman	https://youtu.be/xOaiCEMAG_E
Dr.R.Lakshmana Kumar	https://www.youtube.com/watch?v=di49_vg0oNI

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

90

89.49

160

159.7

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)

To maintain the campus, multi-skilled maintenance service employees are recruited for both proactive and reactive operational requirements. Proper condition of building like lighting, plumbing, electrical, carpentry, gardening, minor repairs, alterations of classrooms, lab, office, etc are vigilantly noticed. Gardener along with sweepers takes the responsibilities of monitoring the health of all plants and green spaces, watering and feeding plants, trimming trees and shrubs, fertilizing and mowing lawns, weeding gardens and keeping green spaces and walkways clear of debris and litter to maintain the infrastructure. Proper operation and maintenance of rainwater harvesting systems and conservation panels are regular inspected by cleaning of catchment, gutters, filters and tanks reduce the likelihood of contamination. Solid Waste Management are done with new colour coded dustbins were procured. Separate dustbins, near each block for disposal of different types of wastes. The lab is equipped with the latest equipment according to the academic needs and rules. Lab audit is conducted for to identify the demand of new equipment. Suitable fire-fighting equipment is available according to the degree of hazard. Through AMC regular maintenance of lab equipment, service and repair are done by the lab assistants/technicians. The function of the Library Advisory Committee is to support by advocating the library development activities. The Committee's main objective is to aid in the establishment a bridge between the Library and the academic fraternity. Needs are assessed, necessary measures are taken to update the collection and the library is made user-oriented and user-friendly in its functioning. Books, journals, online data base and other learning resources are added 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. Network is streamlined with computer service team. AMC suppliers serve for valuable items and special equipment in the institution. Internet connectivity is supervised by the technical analyst. Hardware related problems and power backups in computer centers are maintained by service engineers on call through the AMC. Sports Community unlock all the resources. Community investigate and identify funding and grant opportunities to enhance sport. It monitors the costs of all sports being offered. It constitutes to handle budget preparation, organizing, planning and executing the conduct of competitions and sports meets. First aid kits are always available in any emergency.

<https://hicet.ac.in/files/4-4-2.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	MERIT / SPORTS / FINANCIAL BACKWARD / WARDS OF EMPLOYEES SCHOLARSHIPS	221	4880125
Financial Support			

from Other Sources			
a) National	GOVERNMENT / SHANTHI SOCIAL SERVICE SCHOLARSHIP	1581	24505710
b) International	Nil	Nil	Nil
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Value added course on ANSYS	26/08/2019	104	CADD LEADER, Coimbatore
Remedial Class at Hostel Premises	11/12/2019	255	First year, HICET
Remedial coaching class for Finite Element Analysis	03/08/2019	5	Department of Mechanical Engg.
Remedial coaching class for Refrigeration and Air-conditioning	03/08/2019	11	Department of Mechanical Engg.
Value added course on Advanced Excel Training for Students	12/12/2019	55	TIAC- Excel academy, Coimbatore
Value added course on PLC, SCADA, HMI and VFD	30/01/2020	35	Axis Global Automation
Value Added Course on STAAD.Pro	24/06/2019	127	Edifice Technologies
Career Counselling on Guidelines for abroad education	13/07/2019	148	YAxis Consultancy
Soft skill development on Professional Communication	25/01/2020	156	Career shapers
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
2020	PRERANA Gate Coaching	119	74	1	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
8	8	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
Ducen IT Solutions, Mitsogo Technologies, Skava Stradegic Solutions, Cognizant Technology Solutions, LT Infotech, KGISL, SS Group of Companies, Hexaware Technologies, Coding Mart, Wipro HR Services, Atos, Syntel, Crayonte Tech	524	324	Infosys, Vuram Technology Solutions, Supreme Infra, Aspire Systems, TCS, Amphisoft Technologies, Capgemini, DXC Technologies, Wipro Limited, Kumaran Systems, Adroit Valuation, Virtusa Technologies	257	59

[View File](#)

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	2019	Aeronautical Engineering	CMS Business School	MBA in Aviation Management
2019	1	2019	Aeronautical Engineering	Bradford Aviation Academy	Diploma In International Airport Operation
2019	1	2019	Civil Engineering	Bharathiar University, Coimbatore	MBA (Human Resource Management)

2019	1	2019	Civil Engineering	Government College of Engineering, Thirunelveli	M.E. Structural Engineering
2019	1	2019	Electronics and Communication Engineering	Kalasalingam University	MBA
2019	1	2019	Electronics and Communication Engineering	Sasthra University, Thanjavur	ME in Communication Systems
2020	1	2019	Electronics and Instrumentation Engineering	National Institute Of Technology, Silchar, Assam	M.Tech in Instrumentation
2019	1	2018	Mechanical Engineering	MIT Campus, Anna University, Chennai.	M.E. in Manufacturing Engineering
2019	1	2018	Mechanical Engineering	University of Technology, Sydney	M.S. in Master of Engineering Management
2019	1	2018	Automobile Engineering	Anna University, CEG Campus	M.E Quality Engineering and management

[View File](#)

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
Any Other	10
Civil Services	1

[View File](#)

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Annual sports meet	Institution level	1250
Pongal Celebrations	Institution level	4500
Independence Day Celebrations	Institution level	655
Science Day Celebrations	Institution level	1081

National Level Technical Symposium VAHANA3.0	National level	595
SHOCKAERONZ , A National Level technical Symposium	National level	320
CSI Student Branch Organized Intra Department Programming Contest	Department level	102
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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2020	First International Chess Master of Coimbatore	International	1	Nil	19108076	V S Rathavel
2020	Indo-Nepal Goodwill Championship-19	International	1	Nil	16105064	R.Naveen
2020	United India games Association	International	1	Nil	16102049	JBS Vignesh
2019	Anna University Zonal Inter Collegiate Tournaments 2019-2020	National	1	Nil	16104033, 16104069	Dinesh.S, Krishna Kumar M
2019	CM Trophy	National	1	Nil	18113050	R Srimathi
2020	NCC B Certificate	National	18	Nil	18102035	Sudhakar.B
2019	Mehandi-Hinspire	National	Nil	1	18104063	Kavitha.G.M
2019	Dance-Hinspire	National	Nil	1	18104071	Madhumitha.R
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Hindusthan College of Engineering and Technology believes that the inclusion of students in the education process forms the most valuable part of success of the organization. The student council provides opportunities to the student community to enhance their skills and thereby contributing to the development of the institution as a whole. Involvement of students in various affairs leads to development of the institution as well as transformation of students into future-ready engineers in all aspects.

- Various committees are included as part of student council to ensure benefits to student community.
- Students Grievance and Redressal Committee aims to support the students to communicate their grievances to the authorities for which solutions can be provided. The committee ensures that academic and administrative problems are solved and proper impartial and fair solutions are provided.
- Class committee meetings are organized to eliminate issues and challenges faced by the students in the classes held. It helps to improve the overall performance of the students in academics. Frequency of conduction is 2 to 3 times per semester before the internal assessments. Chairperson, Head of the department and student members are the participants of the meeting.
- Peer Group meetings are conducted on a weekly basis to review the regularity of day to day academic activities for both theory and practical classes. Shortcomings are addressed immediately which paves way for betterment of educational activities. It includes student members and class advisor and minutes are submitted to Dean (Academics) for actions.
- Internal Quality Assurance Cell (IQAC) aims at ensuring quality at the institutional level. It strives towards excellence in academics by assuring quality at all levels. IQAC cell in our college comprises of Principal as chairman and senior professors who strive hard to impart quality in the institution. Improved Academic and administrative performance is the main focus of this body.
- IQAC is implemented at the department level to assure quality by maintaining a learner centric environment and by building an effective teaching learning process based on feedback and expectations from the student community.
- POSH (Prevention of Sexual Harassment Cell) is functioning in the institution to ensure that the students are treated with dignity and respect and to avoid sexual harassment at any cost. Gender discrimination is eliminated and a safe environment is assured for the students. Head of the institution, faculty members of all departments and students are part of this committee. Time bound decisions are made and implemented for all the cases addressed to the cell.
- Numerous Technical Associations, Professional Societies and Clubs are functioning in the college which focuses on identification and enhancement of the professional and various other skills of the students. These bodies help in promoting talents of the students and help them achieve their goals.
- Students participation in NSS/NCC is encouraged in our institution in order to help them in developing their abilities in various aspects of life and help them to evolve as successful humans in the future.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of registered Alumni:

1025

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

350000

5.4.4 – Meetings/activities organized by Alumni Association :

As a part of academic activities, Hindusthan College of Engineering amp

Technology Alumni Association was started in the year 2016 with 14 executive members and 6 members. Each year during the time of graduation day, alumni get-together will be arranged in their respective departments, recently on 10th August 2019. Apart from departmental interaction frequently Grand Alumni meet will be conducted, recently 3rd Jan 2016 a grand meet was conducted and nearly 450 alumni have participated in that meet. As a part of Alumni Association, each year Alumni Trophy will be conducted for Basket Ball event, recently on 31st Jan amp 1st Feb. Eight teams have participated, out of which 5 teams from other college and 3 teams from HICET in the same. Frequently alumni interaction programs with students will be arranged to provide a clear idea about their future carrier. The alumnus will be of entrepreneur, IT professional or Government employee and they will share their experiences to the students to develop skills about the recent development in their respective sectors. Nearly 26 such programs have arranged for the students in the academic year 2019-20.

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)

Principal has to Outline a policy and plan to execute the vision and mission of the institution. Provide leadership, direction and co-ordination within the Institution. Plan the budgetary provisions and go through the financial audited statements of the Institution. Ensure long-term and short-term development plans of the Institution that has to be duly processed and implemented through relevant authorities, bodies and committees. Direct and monitor the administration of the academic programmes and general administration of the Institution. Ensure the quality of education and academic services are maintained for continuous improvement. Promote industry institution interaction and inculcate research development activities. Constitute various college level committees which are necessary for the development of the Institution. Take necessary actions when required to maintain discipline in the Institution. Be fair in disciplinary actions for all the members of faculty, non-teaching staff and students. Motivate the students for innovative plans and set a supportive tone. Empower all the staff and students to reach their maximum potential. Submit annual report on the progress achieved in different developmental and collaborative programmes to the various Committees and Management. Monitor, manage and educate the administration of the institution and take remedial measures / actions based on the stakeholder's feedback. Carry him with the highest integrity and exhibit outstanding and strong leadership skills. Dean (Academics): Assist the Principal in all aspects of academic interest. Evolve strategies and action plans in coordination with concerned HoDs for the development and quality improvement of the department. Initiate the preamble of innovative features in the curriculum and periodic revision of the curriculum befitting the current trends and demands of the industry and the employment market. Be aware of various requirements of different courses as per the Anna University guidelines and ensure such norms are fulfilled whenever inspection commissions of the University or other agencies visit the college. HoDs: Academic administration of the departments under his/her control. Assist Dean/Principal in all aspects of academic interest. Contribute in evolving strategies and action plans for the development and quality improvement of the department. Initiate innovative features in the curriculum and revise periodically revision of the curriculum befitting the current trends and demands of the industry and the employment market. Be aware of the various requirements of different courses as per the Anna University guidelines and ensure that such norms are fulfilled whenever inspection commissions of the University or other agencies visit the college. Work out the manpower requirements as per work load of the department and recommend the staff

requirement to the Principal through the Dean. Ensure the quality and effectiveness of teaching - learning process. Faculty Members: Each faculty member shall maintain absolute integrity and devotion to duty. Each faculty member should perform all professional activities through proper channel and extend co-operation to his/her colleagues and higher authorities. Each faculty member shall conduct himself/herself with absolute dignity and decorum in dealing with the superiors, colleagues and students at all times.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<p>The Curriculum and Syllabi under Regulations 2019 is based on the Outcome Based Education (OBE) and Choice Based Credit System (CBCS). Outcome based education (OBE) is student-centered instruction model that focuses on measuring student performance through outcomes. Outcomes include knowledge, skills and attitudes. Its focus remains on evaluation of outcomes of the program by stating the knowledge, skill and behaviour a graduate is expected to attain upon completion of a program and after 4 years of graduation. CBCS system allows students the flexibility of selecting the subjects of their choice. The subjects are categorised in to various groups allowing students to select subjects of their interest under each group. The course content of each course is in accordance with the Program Educational Objectives (PEOs), Program Outcomes (POs) and Course Outcomes (COs). Program Educational Objectives (PEO) are broad statements that describe the career and professional accomplishments that the program is preparing the graduates to achieve. Program outcomes are narrower statements that describe what students are expected to know and be able to do by the time of graduation. Course outcomes are the measurable parameters which evaluates each student's performance for each course that the student undertakes in every semester.</p>
Teaching and Learning	<p>Education is not the filling of a pot but the lighting of a fire. Teaching and learning is a process that includes many variables. These variables interact as learners work toward their</p>

goals and incorporate new knowledge, behaviours, and skills. The teaching-learning is brought about through teaching, the teaching process is the arrangement of the environment within which the students can interact and study how to learn. The process of teaching-learning aims at the transmission of knowledge, imparting skills and formation of attitudes, values and behaviour. The Pioneering in teaching and assessing methodologies are •Regular revision/reorient/revamp of curricula. • Design Skills, Soft Skills, Business Skills, Information, transformation, Creative, use of media and Innovative Thinking, Management Skills, Problem solving Projects from industry • Faculty Development Programmes, Faculty incentive for continuing education (CE), consultancy and RD are planned. • Recognition 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.

Examination and Evaluation

The Objective is to conduct all examinations as per the pre-published calendar of examinations. To maintain the confidentiality of the examination system, to increase reliability of the examination system and to evaluate the answer books through Controller of Examination in the minimum time period. The boards are encouraged to set examination pattern according to their need. The results are published within 10 days from the last date of End Semester Examination (ESE). To assist the student community, withdrawal system has been introduced for genuine cases.

Research and Development

Research is essential for facilitating outstanding student education and training. It helps in providing a particular texture to the academic environment of the College which further gives a distinctive and distinguishing educational experience to the students. Research is the foundation for knowledge which makes

possible the vast sea of innovation and application providing wider benefit. This also adds to the stock of global knowledge and is a source of new ideas, techniques, innovation, and methods, across a wide range of disciplinary areas. The college, to encourage the staff members to do research every year offers Research Seed Money. The proposals received from the Staff members are processed by a Separate committee and then grants are released. The projects that are innovative and beneficial to the society are advocated. Research colloquium is constituted and its takes care of the smooth functioning of the research process/activities. Economic support is provided to the staff members in presenting/publishing research articles. A few patrons are also applied.

Library, ICT and Physical Infrastructure / Instrumentation

The Library system consists of a Central Library and Departmental Libraries which collectively support the teaching, research and extension programmes of the Institute. All students, faculty members and employees of the Institute are entitled to use the Library facilities enrolling membership. Besides, the Library has huge collection of books on Engineering, Science and Humanities through its various divisions. It has a well-furnished reading hall which is well equipped with a number of study-oriented journals, The Library in the campus is a well-organized one with an adequate collection of books. Library has internet broadband connection for Electronic Access of reading materials. It has a special section which consists of books that help the students to prepare for Competitive Examinations and other Government Examinations. 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, electronic journals, online books etc. Large number of our staff members and students make use of NPTEL access. Teaching is enhanced by multimedia

presentation on LCDs and certain classrooms are provided with smart boards.

Human Resource Management

A common HR division of the College takes care of the advertisement, Recruitment, Payroll and other activities related to the College. Confront and solve problems knowledgeably, creatively and ethically. Maintain data records effectively via an efficient HR Information System. The Institution encourages its employees to think, express and share their views in facilitating decisions and operations through collective contribution. Facilitates a supportive work environment and an engaged workforce consistent with the College mission, core values and culture Listen to employees concerns, issues and ideas. Ensure resources are available to meet needs of employees Ensure capacity for implementation of campus Strategic Plan and initiatives A new HR Policy has been framed and the HR Manual is uploaded in the College Website.

Industry Interaction / Collaboration

The Industry Interaction/Collaboration is established to bridge the skill gap between institute and industry. The key challenge faced by the engineering education today is the need to constantly adapt to the changing requirements of industry. The Industry Interaction/Collaboration identifies the industrial expectation and promotes institutional preparation for meeting industrial needs by facilitating RD projects, seminars, workshops and various other industrial training programs. It also implies in equipping faculty to latest technologies and makes the students industry-ready by providing exposure to current industry practices, and sharpens their skills to adapt changing technologies. The crucial focus of Industry Interaction/Collaboration is to interact with elite industries in India and extend the efforts in establishing partnership with industries across the globe in near future. The Industry Interaction cell brings in interactions and collaborations with • MAS Solar Systems Private Ltd., to improve the skillset of Physics students in Solar

Energy. • C Cube Technologies, to deliver the Value Added Programmes. • Wisdom HR Consultancy Services and Development Private Ltd., for Specialized in Organizational Development, HR Practices and Training and Development. • University of Helsinki, Finland for Academic and Research Collaboration. • Lahti University of Applied Sciences for Finland - Academic and Research Collaboration • Asia Pacific University Malaysia for Academic and Research Collaboration. • Sunway University, Malaysia and Amity University, Singapore for twinning and joint collaborative programmes such as student / staff exchange, Research and Publications.

Admission of Students

All the courses in the college are offered under the Self Finance and counselling 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 of Anna University for eligibility criteria. Calculation of Minimum eligible Marks - prescribed formula Related subjects to be taken for calculation of minimum eligibility marks Minimum pass prescribed by the respective board for a pass Nationality / Nativity / Community of the candidate Rounding off of minimum eligibility marks Whether marks obtained in related subjects is through improvement examination.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Planning and development division formulates short-term and long-term plans, policies, procedures to operationalize various programmes and activities of the college. The college has a WhatsApp group and Institution mail account 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 academic activities. For intercollegiate events, students are invited to register online using the college website. Admission is carried</p>

out through the direct walk in and online admission System. Separate team is allocated for admission process from Enquiry to final process. The students will get the course details, department information and objectives through college website and direct walk in to the college. Complete automation of Controller of Examinations section from syllabus to result publication is carried out. 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.

Administration

The Administration of the College is functions with E-governance system at Government, Society and College level. Administrators oversee the disbursement of college materials plan curricula oversee all budgets from payroll to maintenance of the physical plant supervise personnel keep track of university records (everything from student transcripts to library archives) and help students navigate the university bureaucracy for job placement, alumni development, and all the other services a college provides and able to Access, Control and view the institutional activities such as Students information, Staff Details, Students Attendance through e-campus portal by student. Bio metric for staff attendance, Fees collection, Academic progress, Transportation, Accounts, Exams and Results details, can be viewed 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, Online Fee status and receipt generation, communication letters through e-campus.

Finance and Accounts

Financial Accountant runs the accounting and financial activities of a college. They analyse the economic stability of the college and provide financial information to other departments, enabling these departments to make budgeting and investment

decisions. A Financial Accountant reports on costs, productivity, margins and college expenditures. The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure. The following check is done. Preparation of annual Budgets, Collection of monthly bills for adherence to Tax procedures, Conducting of Internal and external audits, Online Fee collection, Receipt generation and processing of consolidated statements are carried out through our Management Information System. 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. Everything is taken care by the Finance and Accounts Department.

Student Admission and Support

Admission process runs in Online and Offline mode. College has extended helping counter for the students which provide them several services as such Admission form Filling, Consortium Examination form filling as well as Scholarship Form filling at College. The College has provided the facility to the students for linking the contact number with Aadhar card which was mandatory for the students as per the government rule. Admission work consist of online enquiry, online application download, Admission process, Student database of course enquiry, Admission registration into required departments are done through the college website. Intimation of paying tuition fee, communication of important dates, Communication to parents, Internal marks generation through college online portal, online fee payment, receipt generation, Fee unpaid details and follow up procedures are carried out through the College Department. Student App through Android mobile gives the access for viewing their own attendance, internal marks and giving Faculty feedback. SMS are provided to

communicate the academic performance of the students.

Examination

The College has a well-established separate Examination Department under the Head of Controller of Examination assisted by three Deputy Controller of Examinations, for the conduct of examination. The office of CoE is furnished with high end server and a separate internet connectivity. The College enables online portal for students in which Time Table, Syllabus, Lesson Plan for all the Regulations, Courses are uploaded by the faculty members periodically. The functions of oCoE is to prepare and announce in advance the calendar of examinations to arrange for question papers to get performance of the candidates at the examinations assessed, and for the timely publication of results published within 10 days from the last date of End Semester Examination (ESE) The oCoE maintain database for question paper setters, examiners, moderators, to review from time to time.

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
2019	Mr.Yogaraja J	NPTEL online Examination-Two-Phase flow with phase change in conventional and miniature channels	SWAYAM-NPTEL	500
2019	Mr.Naresh Mallireddy	NPTEL online Examination-Nanotechnology science and Application	SWAYAM-NPTEL	500
2019	Dr I Jasmine Selvakumari Jeya	NPTEL Online Examination-Cloud Computing	SWAYAM-NPTEL	500
2019	Ms M Revathi	NPTEL Online Examination-Cloud Computing	SWAYAM-NPTEL	500
2019	Ms Gokila	NPTEL Online Examination-	SWAYAM-NPTEL	500

		Theory of computation		
2019	Dr. K. Siva	SAE-Membership	Society of Automotive Engineers - Professional Society member	1298
2019	Dr. Y. Rasmathew	SAE-Membership	Society of Automotive Engineers - Professional Society member	1298
2019	Mr. S. Ramkumar	SAE-Membership	Society of Automotive Engineers - Professional Society member	1298
2019	Mr. P. Sriharish	SAE-Membership	Society of Automotive Engineers - Professional Society member	1298

[View File](#)

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)
2019	Anna University sponsored Curriculum based FDP on Heat and Mass Transfer	Nil	16/12/2019	21/12/2019	30	Nil
2019	One day workshop on "Data Mining Tool"	Nil	17/08/2019	17/08/2019	50	Nil
2020	Webinar - Technology Behind BSVI Commercial Vehicle Engine	Nil	27/04/2019	28/04/2019	50	Nil

2020	Three Days International Level Online Faculty Development Programme on "Recent Trends in Concrete Technology and Environmental Engineering	Nil	04/07/2019	06/07/2019	250	Nil
2020	Online International FDP on PROMINENCE OF MATHEMATICS IN DIVERSE SECTORS	Nil	16/07/2020	21/07/2020	150	Nil
2019	Nil	Work Productivity and Adopting to Student behaviour	10/10/2019	10/10/2019	Nil	25
2020	Nil	A general guidelines on Road Safety towards drivers	11/03/2020	11/03/2020	Nil	20
2019	Nil	Fitness awareness session towards Fit India Movement	11/12/2019	11/12/2019	Nil	25
2020	Nil	Awareness Programme on COVID -19 for our college Sweepers , security guards and scavengers	25/06/2020	25/06/2020	Nil	35
2019	Nil	Awareness	15/10/2019	15/10/2019	Nil	30

Programme
on CHILD
ABUSE for
our
college
sweepers
and
scavengers

[View File](#)

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
STTP on Advanced computational techniques for fluid dynamics: Grid free and immersed boundary methods with Applications at IIT Madras	4	25/11/2019	30/11/2019	5
CSIR Sponsored Two day national level seminar on Rural Transformation by revolutionizing the future of agriculture with smart farming technique using industrial IOT, Artificial intelligence.	27	12/12/2019	13/12/2019	2
AICTE Sponsored Two Week FDP on Deep Learning in Bio-Medical Applications for IOT	1	04/11/2019	17/11/2019	14
FDP on Cloud Infrastructure and Services	5	12/06/2019	14/06/2019	3
Faculty Development	1	20/04/2020	30/04/2020	10

Programme on R Programming				
Deep Learning in Bio-Medical Applications for IoT	5	04/11/2019	17/11/2019	14
Data Science Using Python	5	18/05/2020	22/05/2020	5
Faculty Development Programme (FDP) on "Integrated Planning for NIRF Ranking Best Practices in Engineering College" Organized by Hindusthan College of Engineering and Technolog	1	27/07/2020	01/08/2020	6
FDP on Advancements in biotechnology and chemical engineering (ABC-2020), organised by department of biotechnology and Department of chemical engineering, Vel Tech High Tech engineering college, chennai.	1	08/06/2020	19/06/2020	12
Faculty Development Program On "Advances In Food Processing Technologies" Organized By Department Of Food Technology, Kalasalingam Academy Of Research And Education	1	22/06/2020	28/06/2020	7
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
312	312	93	93

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. 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. 2. Maternity Leave 3. Provision is made to economically weaker staff of our institution in the form of fees concession to their wards. 4. Supporting teaching faculty by funding to attend seminars/ conferences 5. Various leaves are available to teaching staff (i.e) Casual leave, Vacation leave, Medical leave and for female staff maternity leaves are provided. 6. Transport facilities are offered with concession. 7. Incentives on Research Promotion 8. Research Seed Money</p>	<p>1. Employees Provident Fund is given as per PF rules and the institute contributes towards PF to nonteaching staff. 2. Group Insurance 3. Casual leave, Vacation leave 4. Advance cash facility 5. Transport facilities are offered with concession. 6. Provision is made to economically weaker staff of our institution in the form of fees concession to their wards. 7. Festival Incentives and gifts</p>	<p>1. Merit Scholarships are provided to the eligible students who excel in academics and sports. 2. Fee concession is given to the students who participate in State/ National level sports events. 3. The institutions takes care of the mental health of the students by offering Counseling by expert Doctors and psychologists. 4. Installment payment of College fee and Hostel fee. 5. Management provides college/hostel fee concession for economically poor students.</p>

6.4 – Financial Management and Resource Mobilization

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

Before commencement of every financial year, each department presents the various budget requirements for their department to the Principal and these details are consolidated by the administrative office. Internal Audit : Quality internal auditors audits from the trust on quarterly basis to check and verify 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 examines audit of the financial statements. Qualified chartered accountants audit the financial records at the end of every financial year and certify the audited statements. Finance Committee: The finance committee is constituted as an advisory body 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 hostels for boys and girls and Controller of 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 before submission of Reports.

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 and Institution of Engineers (India)	639381	Development Activities
View File		

6.4.3 – Total corpus fund generated

431735938

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	Academic Experts	Yes	IQAC
Administrative	Yes	TUV Rheinland India Ltd	Yes	TUV Rheinland India Ltd

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

To uphold continued association and active participation between the parents and teachers and to encourage activities for the wellbeing of the students a Parent -Teacher Meeting is conducted. This meeting is conducted at regular intervals to discuss numerous problems linking to the general welfare of the students. Activities/Support of the Parent -Teacher Meeting is as follows, I. Parent-Teacher conferences/meetings are regularly conducted in our college usually once or twice a year at progress reporting periods. The rationale is close collaboration of parents with teachers with regard to the progress shown by their wards and finding feasible solutions to the difficulties coming in the way of development of their ward. It also provides a common forum for interaction of parents and teachers so as to improve academic standards, maintain discipline and facilitate overall development of the students as well as college. The sequence of the meeting is as follows. 1. A formal registration is made during this meeting. 2. First and foremost, during the meeting i. Parents are informed about the academic performance based on internal marks, previous end semester marks (if any), assignments as well as the overall attendance percentage of their ward. ii. Discuss factors that affect learning such as students' behavioural and social development, peer relationships, classroom behaviour, motivation and work habits, students' strengths and challenges as well as dress code and personal hygiene policy. 3. Parents are given enough opportunities to meet all the subject handling faculties. 4. Parents are also given ample opportunities to give feedback on both curriculum and teaching learning process. Based on the feedback obtained during the teaching learning process, revision of the contents of the course may be performed after obtaining a formal approval from the Chairman, Board of Studies. II. Suggestions regarding academic and administrative reforms are

wholeheartedly welcomed and implemented. III. Ensures whether students are provided with all the essential facilities at college. IV. Scholarships/awards for deserving students of the college.

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

1. All non-teaching staff members are given opportunities and motivation to pursue higher Education. 2. Non-teaching staff are also sponsored and deputed for training programs conducted by other institutions. 3. Non-teaching staff are given various in house training depending on the operational requirements. 4. Group Insurance provides an additional an additional protection to the supporting staff. 5. The effective use of technology and its various tools for organizing and conducting various technical forums like conferences, workshops and seminars has been imparted to the non teaching fraternity to develop their skill sets in the area of effective utilization of tools and technology. This will create an opportunity for the non teaching members to upgrade their skill set and knowledge.

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

1. To improve teacher's efficiency in Teaching-Learning Process (TLP) has been introduced. Practice of attending Faculty Development Program (FDP) for all the members of the faculty. Enrollments of NPTEL/Online courses are encouraged. 2. For up-gradation of knowledge all the faculty members are motivated to publish their work in referred journals like Web of Science/Scopus etc. 3. Institutional Infrastructures were strengthened in all aspects like Networking Systems, ICT enabled class rooms and play grounds. 4. According to the demand of the Industry curriculum is designed for all the departments. 5. Institution has signed MoUs with various Organizations, Industries and Developmental Sectors at National and International level. 6. The Management offers Seed Money to encourage the faculty members to do innovative research. Every year the proposals are received from the faculty members and based on the quality, societal need and innovativeness of the proposals the Seed Money is sanctioned. 7. 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, COURSERA etc. 8. Campus digitalization through "eCampus" had started from the year 2015 and with the continual improvement, the college has introduced, online fee payment, collection of online feedbacks, online attendance and lesson plan entry 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
2019	ISO Internal Audit	23/09/2019	23/09/2019	25/09/2019	10
2019	Discussion on AQAR preparation	31/10/2019	31/10/2019	31/10/2019	12
2019	NAAC AQAR	18/12/2019	18/12/2019	18/12/2019	4

	2018-19 Submission				
2020	NBA extension - report - discussion	16/03/2020	16/03/2020	16/03/2020	30
2020	NBA compliance report review meeting	06/07/2020	06/07/2020	06/07/2020	30
2020	Internal Smart India Hackathon	21/01/2020	21/01/2020	21/12/2020	288
2019	Discussion about NIRF Pre-Registration Process.	11/09/2019	11/09/2019	11/09/2019	45
2019	Submission of NIRF Data in DCS.	07/12/2019	07/12/2019	07/12/2019	15
2019	Discussion about Notification and registration of AISHE Survey.	28/08/2019	28/08/2019	28/08/2019	55
2020	Submission of Data in AISHE portal.	10/01/2020	10/01/2020	10/01/2020	10
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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
Jewellery Making	11/10/2019	11/10/2019	175	Nil
International Women's Day Celebration	07/03/2020	07/03/2020	1750	Nil

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

1. Tree Transplantation Programme: In agriculture and gardening transplanting or replanting is the technique of moving a plant from one location to another

to conserve trees. The trees are an important part of our ecosystem, and play a vital role in maintaining the biodiversity of the area. Since trees have been established for many years, it is not possible to lift, transport and replant a tree overnight. In the horticulture of some ornamental plants, transplants are used infrequently and carefully because they carry with them a significant risk of killing the plant. Therefore all the necessary precautions have to be taken during the process of transplantation. In order to facilitate construction projects in the institution campus, The Nature Club of HICET decided to implement the tree transplantation programme to offset the impact on the biodiversity of the campus. In this regard, around 50 trees (aged between 15-20 years) and 100 plants were safely uprooted and transported from the construction zones and replanted in secure locations within the campus. The locations of transplantation are as follows: 1. Behind Main Building 2. Behind PG Block 3. In front of the Department of Mechanical Engineering 4. In front of the Tennis Court 5. Inside Hindusthan Gardens

2. Rain Water Harvesting: The orientation of each building is such that it maximizes the chances of collection of water. The open area of main playground will serve as the location for the storage Recharge Well for water In our campus, totally 21 bore wells are there, among them 17 are active (In rainy days) and 4 bore wells are dormant. Nearly 1,30,000 litres per day is used in our campus. Nearly Rs.20,000/- spent on water expense per day is saved. By using RWH facilitates even with the regular usage of Bore well water will be available in the aquifer by this recharging techniques.

3. Solar Power Generation : The college has installed 75 kW of grid connected solar power plant on the terrace of D Block. The number of 228 solar panels are installed. Each panel produces 330 Watts. The power production from installed grid type solar setup is directed to the power house of the institution. The total requirement of electricity for 1 day in our institution is around 550 units and the production of electricity from installed solar setup per day is around 450 units.

4. LED Lights: Replacement of traditional halogen, CFL lighting with led lamp saves the cost from 25 to 80. The LED gives us greatest energy saving, reliability and longevity compared with traditional lamps and it is capable of emitting high level of brightness hence it gives viable measurement of brightness. In this regard 400 LED lamp of 20watts are installed in corridor, street lights and hostel rooms to reduce the power. Over all 25 of lamps is replaced with led lamp and thus saved the energy.

5. Battery operated Van: The battery operated vehicle operated in campus exclusively for campus visit.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Rest Rooms	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
2019	1	1	28/06/2019	1	General Medical	Awareness	155

					Camp - Eye Screening	on Health	
2019	1	1	22/07/2019	1	Jal Sakthi Abiyan	Rain water harvesting awareness	151
2019	1	1	15/09/2019	1	Social Activity	Child Orphanage visit	50
2019	1	1	18/09/2019	1	Tree plantation	Environmental awareness	50
2020	1	1	26/01/2020	1	NO TO PLASTIC	Environmental awareness	260
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Indian Ethos and Values	18/12/2019	A course Indian Ethos and Values is offered to all students of MBA.
Professional Ethics and Engineering	18/12/2019	This course is offered to all UG students. This impart a great social understanding of Ethics in all aspects.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
16BA4202 Indian Ethos and Values	14/12/2019	28/02/2020	55
An Awareness program on Child Protection to HICET sweepers	15/10/2019	15/10/2019	35
Republic day program	26/01/2019	26/01/2019	69
Environmental awareness Trekking programme	02/02/2019	02/02/2019	25
Trekking certificate distribution programme	16/03/2019	16/03/2019	25
Jal sakthi abiyan -Rain water harvesting awareness programme	22/07/2019	22/07/2019	150
Independence day	15/08/2019	15/08/2019	100

programme			
Temple cleaning programme	08/12/2019	08/12/2019	50
View File			

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

Totally 6800 liters capacity of solar water heater is installed gents/ladies hostel.
75kW of Solar power plant is installed to reduce conventional power.
The campus consists of around 725 plants in 45 varieties and around 1530 trees in 52 varieties.
Rain Water Harvesting structure is effectively used inside the campus.
All CRT monitors are replaced by the LCD monitors
Paperless management system is being adopted - eCampus
Separate bins are used to collect waste/e-waste
Battery operated van is plying inside the campus to reduce pollution - green energy.
Environmental Science Course is mandatory for all UG students in II semester.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

<p>Best Practice - I</p> <p>1. Title of the Practice : 'Peer Group Meeting'</p> <p>2. Goal : The goal is to promote teaching learning process and to provide additional resources and interact with peers within the class room.</p> <p>3. The context : 1. Assimilation and understanding of the course 2. Issues in teaching and learning methods 3. To monitor the curriculum and beyond 4. Peer group head will report to class faculty advisor 4. The Practice : ? During beginning of each semester, Peer group will be constituted with five to six students with different levels based on Academic Performance of the previous semester. This composition is circulated to all the students in 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. ? One period is earmarked in the class time table for peer group meeting which is likely to be an hour in every Tuesday. ? During this time Class Advisor will convene a meeting among students. ? Peer group report consists of action taken based on the major points discussed in the meeting such as Portions coverage, Attendance, issues faced by students in teaching learning process along with Issuing Study materials Question banks. ? Apart from the Academic facilities, Feedback will be collected regarding the Infrastructure, Class rooms, Laboratories, Internet facilities, Library, Housekeeping, Transport, Hostel and other facilities. ? Minutes will be noted by the Class Advisor and they in turn consolidate a report. ? Grievances, suggestions are analyzed and corrective actions will be made if needed.</p> <p>5. Outcomes: ? Teaching learning process is monitored and sorted out based on the issues given by the students. ? From the feedback regarding the courses and teaching learning process, Head of the Department/Dean will address the concern faculty if needed. ? Hence any deviation in teaching learning process such as coverage of portions for every internals and the teaching methodology of the faculty member is monitored.</p> <p>6. Problems Encountered and Resources Required: ? Weekly peer group meeting will be conducted. If a week contains more than 4 holidays, Peer group meeting will be conducted in the next week since there will not be much difference. ? Each and every academic semester, Peer group will be reconstituted.</p> <p>Best Practice - II</p> <p>1. Title: 'Course Information Sheet'</p> <p>2. Goal: ? To strengthen teaching</p>
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learning process of every course, Course Information Sheet (CIS) is prepared in accordance with Blooms taxonomy. ? Course Plan is prepared in advance before commencement of classes using CIS. ? CIS summarizes the information of a particular course and it gives the overall view of how the CO's and PO's are mapped in each unit. It also gives the level from lower order thinking to higher order thinking. 3. The context: To enhance the Teaching Learning process and Mapping of CO's/PO's/PSO's 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 by consulting with all subject handling faculty members. ? CIS is validated by Head of the Department and Dean Academics and approved by Principal. ? It will have all the information like Syllabus, Course Objectives, Course outcomes, Course plan with weightage, Mapping syllabus with Bloom's Taxonomy "LOT and HOT", CO-PO mapping, CO-PSO mapping, Course Assessment methods and End semester question paper mark split-up. ? In order to maintain the uniformity of teaching learning process, CIS is prepared. 5. Outcome: ? Uniformity in teaching methodologies is maintained among all the sections. ? To keep track of portion coverage as mentioned in the CIS. ? Mapping of CO-PO and CO-PSO is effectively done and hence attainment can be improved. ? Based on the weightage given for each unit in CIS, External Question paper setter can able to effectively set End semester question papers. ? Curriculum Gap in the syllabus can be identified and it can be brought to the knowledge of Board of Studies Chairman to rectify the same. 6. Problems Encountered and Resources Required ? If course coordinators do not follow the mapping of CO-PO and CO-PSO as per the norms, course outcome attainments will be affected. ? If Unit weightage is not properly distributed, External question paper setters will give appropriate weightage as per the Course Information Sheet and not Unit wise.

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

<https://hicet.ac.in/files/Best%20Practice.pdf>

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

- Hindusthan College of Engineering and Technology Coimbatore is a 20 year old HEI which keeps on introducing innovative practices in the field of higher education.
- 'Most preferred Engineering Institute of the Year - South' Award during 12th ASSOCHAM National Educational Summit.
- It is affiliated to Anna University, Chennai and became Autonomous status in the year 2016.
- Presently the college offers 15 undergraduate programs and 6 post graduate programs.
- Recognition of college under Section 2(f) and 12(B) of the UGC Act, 1956.
- 9 programmes are permanently affiliated and 4 programs are recognized as research center by Anna University.
- 5 programs are accredited by NBA.
- 179th Rank in India Today-MDRA Best Colleges Ranking in 2020
- In order to use the Autonomous status effectively, the college revise the syllabus of all the programmes based on the current industry need and introduces revolutions in Examination Management System (EMS).
- The college has adopted Outcome Based Education (OBE) in a successful way.
- Internal Assessments are being conducted effectively at par with End Semester Examinations (ESE).
- Extra Credit courses are encouraged in the Autonomous Regulations.
- Internship/Inplant training and mini projects are is made mandatory the Autonomous stream.
- Business English Course (BEC) Preliminary/Vantage course by Cambridge University, UK, have been offered to students.
- Every year institution conduct "Heavy Terrain Vehicle Competition", National level students' are participated.
- Institution Innovation Council (IIC) is functioning inside the campus and students are encouraged to come with new ideas.
- An initiative by MHRD, Government of

India, Smart India Hackathon (SIH) software edition was successfully conducted in our institution • SAUR URJA VEHICLE CHALLENGE - is a national level solar electric vehicle design competition organized by Refrangible Society @ our institute.

Provide the weblink of the institution

<https://hicet.ac.in/files/ID.pdf>

8.Future Plans of Actions for Next Academic Year

1. Introduce Industry Specific/ Integrated courses like IBM powered Artificial Intelligence and Machine learning, Data Science, Networking, Cloud Computing, etc
2. All faculty must enroll Vidwan portal.
3. To provide more consultancy to the Industry and Public Organization
4. To achieve the attainment of COs with POs of proposed program in Outcome Based Education
5. To validate the Autonomous curriculum and syllabus with National and International Standards.
6. To conduct "Induction Program" for students and faculty members.
7. To inculcate modern ICT tools like Kahoot, Moodle, Hot Potato and Google Classroom.
8. To improve learning opportunities for slow learners by providing smart materials, peer group, mentors and other learning possibilities.
9. To increase ICT enable classrooms.
10. All faculty must enroll and clear online courses like Swayam, Coursera etc
11. To insist the PG students to publish their research work in Referred / Scopus / Web of Science indexed Journals.
12. To establish Institution Innovation Council (IIC) with the help of Ministry of Education, Government of India.
13. To improve e-waste management structure.
14. To establish more Center of Excellence
15. Reapply and enhance NAAC grade in Cycle 2 A A.
16. To Improve placement achievement to 75
17. To establish more linkage with International Universities/Colleges/Organization.
18. THE HINDU "STEP" course will be offered to all first year students