



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Name of the head of the Institution		J. SHIVAKUMAR
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		09247001102
Mobile no.		9573714385
Registered Email		principal@hitam.org
Alternate Email		prashanth.arutla@gmail.com
Address		Gowdavelli Village, Medchal Mandal, Medchal Malkajgiri District, Telangana
City/Town		HYDERABAD
State/UT		Telangana
Pincode		501401

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Surendra Bandi
Phone no/Alternate Phone no.	09247001102
Mobile no.	9948932336
Registered Email	surendra.mca@hitam.org
Alternate Email	bsreddymca@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.hitam.org/pdf/AOAR-2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.hitam.org/pdf/academic/INSTITUTIONAL-CALENDAR-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.74	2018	26-Sep-2018	25-Sep-2023

6. Date of Establishment of IQAC	24-Dec-2015
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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
Oxford English Assessment	05-May-2019	10

Implementation - Review and Recommendation	30	
Starting of EWB(Engineers Without Borders) Student Chapter	04-Oct-2019 1	9
Renewal of IonCUDOS Tool - Review and Recommendation	07-May-2019 1	84
Stock Verification of Library - Facilitation of Audit	02-Apr-2019 1	11
Mentor Records Refinement - Review and recommendation	18-May-2019 1	17
Remedial class planning and implementation	01-Mar-2019 30	14
Center for Excellence - Review	17-Oct-2019 1	15
Lecture Capture System - Review	03-May-2019 1	11
Project Expo	13-Apr-2019 1	7
Faculty Conclave - Review	03-Jul-2019 2	12
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8. Provide the list of funds 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
Devika SV	WOSA	DST	2015 1000	24.91
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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 :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

• Conducted four IQAC meetings for academic year 201819, Participated in NIRF, Conducted Academic and Administrative audits and coordinated NBA accreditation for two programs CSE and ECE • Recommendations for student centric policies which promoted learning beyond curriculum • Facilitated the discussions on various policies including Research and Development. • Reviewed different proposals to enhance laboratory facilities and equipments for quality improvement in conduct of lab experiments. • Facilitated discussions on conduct of various workshops to inculcate technical passion in the faculty and students. • Reviewed and recommended proposals of infrastructural requirements for enhanced learning of students and faculty

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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
Strengthen the Teaching Learning	Faculty Development Programs to Faculty and Faculty Conclaves have been organized to improve teaching pedagogies
Enhancement of Technical Facilities	Recommendations for enhancement of laboratories and other facilities
Improvement of student support	Involving students in decision making
Effective Governance	Regular IQAC Meetings and MRM(Management Review Meetings) are conducted
Adapting Best Practices	Initiated Centres for Excellence
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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	02-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	11-Sep-2019
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16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	27-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>HITAM has been using an automated management information system for administrative, academic and financial operations of the institution. The tool allows admin to configure various departments, profiles of the faculty, students and subjects. All the users under the respective category are given credentials to access the tool for viewing and entering data as per the privileges assigned. The tool has a flexibility to customize features as per the need of the institution. Based on the recommendations of various committees and bodies, changes are proposed and incorporated to ensure improvement of quality of information flow within the organization. This helps in better data availability for quick decision making.</p> <p>Admin : The Module provides options to enter the details of administrative tasks as appointments with other people at specific time etc.</p> <p>Academics: Faculty can enter the day to day attendance of the students, scheduled their days under time sheets and enter the works carried out under the same head. Head of the department can generate consolidated reports on the attendance of the students, syllabus coverage and faculty occupancy hour wise. HoD also can send SMS alerts to the selected students, faculty and parents to update relevant data.</p> <p>Correspondence : This helps in communicate with others and receive information from various sources. Users can send updates to the group of people or multiple groups by choosing on a single click.</p> <p>Library: All the operations of the library are automated under this module. The process flow of library standards is followed from registration of new books, new students, issue book, return</p>

of book and late returns. Admissions: Data of new students are recorded to maintain the complete analysis and academic profile of the students . Examinations: Examinations details are stored and managed under this. Apart from the college MIS, there are specific tools used for various purposes. Tally software is used for accounts management. Automation of entire Outcome Based Education (OBE) is done using an integrated tool IonCUDOS. Examination branch is given a unique account in the portal by JNTUH for managing registration of internal, regular and supplementary exams including results and attendance of the students. College also has a unique account for managing admissions under category A and B by TSCHE(Telangana State Council for Higher Education)

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Hyderabad Institute of Technology and Management (HITAM) is affiliated to JNTUH, Since its inception i.e. 2001. The College meticulously plans and develops action plans for effective implementation of the curriculum designed by JNT University, Hyderabad. The Academic Committee of the institute prepare the institution academic calendar in line with the JNTUH calendar. College academic council meets is organized on every Friday afternoon by all senior functionaries of college including HOD's to assimilate and dissipate academic calendar progress and additional activities. Head of the departments conducts departmental meetings on every Saturdays to enforce the directions of academic committee and take feedback of all activities of the departments. HOD's allocate subjects to faculty as per their choices. As part of the best academic practices, faculty prepare course file containing the course objectives, outcomes, lesson plan, topic level outcomes, assignment questions, solutions for previous question papers and mention of references/ text books. Faculties are required to maintain lecture diary, lecture notes as per the pedagogies planned. These course file details are presented by each faculty to the academic council before delivery for approval. Faculty are encouraged to change the pedagogy where the students are unable to assimilate. The faculty are required to use the ICT facilities to deliver the academics apart from regular/traditional teaching methods. The Internal Quality Assurance Cell (IQAC) conducts periodical reviews about the effective implementation of the course delivery to the students. This cell collects the feedback from the students about the delivery and implementation of various pedagogies used by the faculty and if there any difficulties for the students to adopt these delivery mechanisms. This feedback helps the faculty to identify the gaps in their teaching and these gaps are filled up by improving their lecture delivery mechanism. It also helps to acquire knowledge by attending the FDP, on Bloom's taxonomy. The curriculum delivered is mapped with the course specific outcomes

in line with the CO'S of JNTU Hyderabad. The voids are identified and bridged through assignments, minor projects, Guest Lectures, Seminars, Industrial visits and Workshops.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Introduction and Interfacing with Raspberry pi	NA	02/01/2019	60	No	Yes
Autodesk - Fusion 360 integrated CAD/CAM	NA	04/01/2019	60	Yes	Yes
Autodesk CAD/CAM for Manufacturing Specialization	NA	23/07/2019	2	Yes	Yes
Aurduino Platform and C Programming	NA	16/02/2019	45	Yes	Yes
Python for Data Science	NA	22/10/2019	14	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Electrical and Electronics Engineering	02/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electrical and Electronics Engineering	01/07/2016
BTech	Mechanical Engineering	01/07/2016
BTech	Electronics and Communication Engineering	01/07/2016
BTech	Computer Science Engineering	01/07/2016

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course

Number of Students

1276

0

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
Big Data Analytics Foundation Course for Python Specialization	10/12/2018	50
Linux in C	17/08/2018	100
Quadbike Design and Fabrication	23/08/2018	21
E-CAD	21/08/2018	46
Inventor	11/09/2018	52
Raspberry pi	22/08/2018	99
GATE	03/08/2018	2
Arduino	26/09/2018	94
App Development	14/11/2018	50
Ansys	21/11/2018	55
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer Science and Engineering	432
BTech	Electronics and Communications Engineering	419
BTech	Mechanical Engineering	238
BTech	Electrical and Electronics Engineering	187
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Feedback from Students, Teachers, Employers, Parents and Alumni is collected during the academic year as per the calendar. Students - Feedback on teaching learning, curriculum and facilities is taken through online portal. Head of the

department, Principal and Chairman conducts a meeting with CRC (Class Representative Committee) Members. An open feedback is taken regarding all the facilities on the campus, teaching learning and curriculum. A special body SSG (Students Self Governance) participates in MRM (Management Review Meeting) every month as the first participant to present their progress on the previous month and upcoming three months. At every stage of these occasions, action plan evolves and issues are addressed as per the mutual agreement. Teachers - Feedback on curriculum from all the teaching faculty is collected during the course end survey. The same is used as input to the decision making body. Employers - Employers share their opinion on the existing curriculum and suggest the additions which have to be offered beyond the courses or extra emphasis required for excelling in a particular course. Value added courses are designed based on these inputs Parents - Suggestions and complaints from parents are considered for designing extra courses for students Alumni - Feedback from alumni is collected during the alumni meets and also through exclusive alumni portal. This is used for alumni interventions in terms of helping students preparing for interviews and higher education .

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Computer Science and Engineering	120	513	120
BTech	Electronics and Communications Engineering	120	211	100
BTech	Electrical and Electronics Engineering	60	287	24
BTech	Mechanical Engineering	120	150	41
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1276	0	112	0	0

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

	Resources)				
112	112	6	24	5	12
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)

Mentoring is a student monitoring activity right from the day the student joins the Institute till the time he is placed suitably Objective: 1. To support the students in shaping and monitoring all activities and resolve all type of academic and personal problem 2. To be a guide, friend and philosopher to the student in and off the campus Responsibility: ? Mentors. ? HoDs ? Dean SEA ? Principal ? Director Procedure: Prior to the Start of the Program: • A detailed list of Mentors(One Faculty per 15/20 students)for Ist, IInd, IIIrd, and IVth years from each department is submitted to the Dean SEA by the HOD's • The mentors are required to attend a basic training program on how to use the Mentoring Book for mentoring • Assigning mentors to students of Ist, IInd, IIIrd IVth year for each Department • Forward list of name, student i.d number and contact information (name, address, mobile number email address) of the mentees to the mentors • Make schedules for meetings of mentor with prospective mentees as per Time Table. At the time of Admission/ Registration: • The mentors (of the respective departments) should assist the student in filling the Master Student Information in the Standard Mentoring Book issued to all for 20 students. • Mentors should contact mentees no later than second day of classes to introduce themselves and offer assistance to their mentees. During mentoring sessions: • Mentors must communicate with the mentee a minimum of twice each semester as given in the schedule • Mentors must keep accurate records of communication with his or her mentee(s) • Mentors must treat mentees courteously, respectfully and patiently in all circumstance • Mentors must keep confidential all information shared with them by mentees • Use Mentoring Book to monitor the progress of the mentee at various stages of the mentee's course • Report to Parents, Head of Department or Principal on matters that are urgent At the end of last mentoring session: The Mentoring Book is to be transferred to the Alumni cell after entering details of the mentee, viz, Name of the student, Contact address with telephone number/mobile no, Place of recruitment, Email id any other relevant information Recognition Program: At the end of each year, the Mentoring committee will sponsor recognition program. The purpose of the program will be to: • Thank the mentors and mentees for their participation • Acknowledge outstanding service and • Celebrate the success of the mentees

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1276	112	1:11

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
112	10	0	10	18

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr RRN Chowdary	Professor	NPTEL Certification, MHRD, Government of India
2018	Mrs. Baby Theresa	Assistant Professor	NPTEL Certification, MHRD, Government of India
2018	Mr. Umamaheshwara	Associate	NPTEL

	Singh	Professor	Certification, MHRD, Government of India
2018	Mrs. Vanaja Reddy	Associate Professor	NPTEL Certification, MHRD, Government of India
2018	Mr. Santosh Madeva Naik	Assistant Professor	NPTEL Certification, MHRD, Government of India
2018	Dr. Devika SV	Associate Professor	NPTEL Certification, MHRD, Government of India
2018	Ms. Swapna	Assistant Professor	NPTEL Certification, MHRD, Government of India
2018	Dr. Pushpender Sarao	Professor	NPTEL Certification, MHRD, Government of India
2018	Mr. S Pratap Singh	Associate Professor	NPTEL Certification, MHRD, Government of India
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	2nd, 3rd, 4th Year, 2nd Semester	06/05/2019	18/07/2019
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	2nd, 3rd 4th Year 1st Semester	26/11/2019	09/01/2019
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	1st Year 2nd Semester	06/05/2019	15/08/2019
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	1st Year 1st Semester	10/12/2018	18/01/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

HITAM follows Choice Based Credit System (CBCS) since 2016-17 onwards as per

JNTUH guidelines. CIE: Assimilation and Evaluation tests are conducting on regular basis. Slip Tests: Slip test is carried out on completion of each topic, basically to evaluate the level of understanding. It reflects the degree of difficulties on the topics delivered by the faculties. Unit-wise test: After the completion of each unit an assessment test will be conducted. This test allows the teacher to assess the student progress continuously to identify slow and advanced learners. Objective Test: An online tool (Edmodo) is a used to conduct a quiz test, to promote learning experience which is used by HITAM before every mid term examination. The results are used to give the internal assessment marks proportionately. Assignment Test: Two assignments per each unit are given to instill self study of subjects beyond the syllabus to fill the void between Industry and Institution. Mid-examinations: Two mid term examinations were conducted as per the schedule and directions given by JNTUH.

- Slow learners/performers are identified and given extra inputs for better understanding. Continuous assessment in practical subjects: • The practical on respective subjects are carried out as per the guidelines given by JNTUH. However exposure to additional tools and techniques are given to undertake Student Skill Development Centre (SSDC) projects. • Students are encouraged to add on to the practical to formulate minor projects and agreement with Industrial problems to convert into Industry Projects for the students. The success of each practical application is assessed through Outcome Based Education (OBE). Continuous assessment in Projects: • All the Minor/Major projects are Industry defined/Community Problems under the guidance of SSDC. • Feasibility study is carried out with the guidance of faculty assigned as a Project Coordinator. • In house projects and community based projects supporting the society are given priority. • Development of the project assistance is taken from sources like, Industry/Centre of Excellence/Research labs. • Project coordinator reviews the projects periodically and assessment is done based on the presentation and demonstration of the project. • Further study of the project if required, is recommended to carry forward for the next batch. • Success in the form of expected outcome is initiated towards Patent/Startup.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

HITAM academic calendar is made line with the academic calendar of JNTUH. The college carries out effective planning to stick to academic calendar. This allows the teachers and the students to space out their teaching and learning process. Every academic year consists of two semesters. Each semester consists of 16 weeks duration. HITAM follows JNTU academic calendar consisting of the date of commencement of the Instruction and Conduct of Mid Term examinations, Parents-Teacher meetings (PTM), submission of Mid Marks to the university, Conduction of Practical examinations and commencement of Semester End Examinations along with the Vacation period. The above mentioned 16 weeks of instruction of the concerned syllabus is taught to the students. They are tested on the same material. All CIE question papers are set based on Bloom's Taxonomy. The average obtained from both of these examinations is calculated to attain the final internal marks of the individual student. These marks are also vitalized to decide the course nature of teaching for slow learners and identify their learning ability of the concerned subject before going to attempt external examination. As part of the CIE, the assignments given to the students to involve unaddressed Program Outcomes. This helps the students to attain knowledge beyond the syllabus, as majority of these topics are not covered by the exams conducted by the university. The assignments are given within a set timeframe. The students have to complete them within the time given to adhere to the university's timeline. By following the university calendar, every department creates internal calendars to ensure timely delivery of syllabus and other activities to meet the deadline for conducting the CIE.

The students are given enough time before the examinations to prepare and practice the concepts. In case of sudden change in Academic calendar, the university communicates the modifications to the respective colleges. It is mandatory to follow Academic calendar given by Affiliated University.

2.6 – Student Performance and Learning Outcomes

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

<http://www.hitam.org/cse.html>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
A03-MEC	BTech	Mechanical Engineering	116	70	60.3
A02-EEE	BTech	Electrical and Electronics Engineering	43	26	60.4
A04-ECE	BTech	Electronics and Communications Engineering	95	53	55.7
A05-CSE	BTech	Computer Science and Engineering	98	76	77.5

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2.7 – Student Satisfaction Survey

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

<http://www.hitam.org/pdf/igac/Feedback-Report.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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)	365	DST	110000	110000
Projects sponsored by the University	365	JNTUH	299000	100000
Industry sponsored Projects	300	Elegant Embedded Systems	60000	60000
Industry	210	Elegant	45000	45000

sponsored Projects		Embedded Solutions		
Interdisciplinary Projects	365	DST:WOS-A	1800000	200000
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3.2 – Innovation Ecosystem

3.2.1 – 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
Workshop on Entrepreneur Awareness	HITAM	30/03/2019
A Two Day Intensive Automobile Workshop	HITAM	29/03/2019
Industry Institute Interaction at Jeedimetla - Industrial Exhibition	HITAM	23/01/2019
Peace Entrepreneur skill Development Workshop	HITAM	11/02/2019
Industry Institute Interaction (III) at Elegant Embedded Solutions	HITAM	01/07/2019
Seminar on Inden Business Development Module Course	HITAM	26/01/2019
Workshop for promoting entrepreneurship by SR Innovation Exchange (SRiX)	HITAM	16/01/2019
TEP-Technology Entrepreneur development, A Seminar on course module	HITAM	08/01/2019
Industry Institute Interaction(III) at Powertech transformers	HITAM	07/01/2019
ICTIEE-International Conference on Transformations in Engineering Education, Seminar on EDC	HITAM	07/01/2019
Seminar by Knack Minds on Start ups	HITAM	04/01/2019
Seminar on Patenting Nanotechnology	HITAM	04/01/2019
Workshop on autonomous Robotics	HITAM	26/10/2018
Technology Entrepreneur development-TEP 2.0, A Seminar on course module	HITAM	25/10/2018

SR Innovation Exchange(SRiX) Netra Handsoon session on IOT Product Development Series	HITAM	12/10/2019
Seminar on Leadership by Indian School of Business (ISB)	HITAM	07/09/2018
Seminar on Plagiarism	HITAM	06/08/2018
Seminar on recent trends in computer science and engineering	Computer science Engineering	18/08/2018
A 3 day Workshop on Effective Lecture delivery by International Engineering Educators Certification Program (IIEECP)	Computer science Engineering	25/07/2018

3.2.2 – 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
NSS day celebrations	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	24/09/2018	Best Acrticw NSS Coordinator Award
World Water Day	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	23/03/2019	Certificate of Recognition for NSS Activities
Haritha Haram	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	01/11/2019	Certificate of Recognition for NSS Activities
National safe motherhood day at gram panchay at,Gowdavelly village Medchal	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	08/08/2018	Certificate of Recognition for NSS Activities
National forest day, at Telangana Forest Academy Dulapally	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	08/08/2018	Certificate of Recognition for NSS Activities
Online Voter ID registrations at Gowdavelly village Medchal	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	08/08/2019	Certificate of Recognition for NSS Activities
Awareness program on	Hyderabad Institute of	JNTU Hyderabad	08/08/2019	Certificate of Recognition

behaviour skill and plantation 2 to z p h s school children at Gowdavelly village Medchal	Technology and Management(HITAM)			for NSS Activities
Blood Donation Camp	Hyderabad Institute of Technology and Management(HITAM)	Jannai Volunteer Organization	08/08/2019	Certificate of Recognition for NSS Activities
National earth day Oxygen park kandlakoya	Hyderabad Institute of Technology and Management(HITAM)	JNTU Hyderabad	08/08/2019	Certificate of Recognition for NSS Activities
Outstanding professional achievement and inspiring social contributions	Hyderabad Institute of Technology and Management(HITAM)	Indian Achievers Forum	19/02/2019	Shiksha Bharathi Award
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3.2.3 – 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	Center for Excellence	HITAM	Knack Minds	Knack Minds supplies wide varieties of products and materials that are helpful in doing academic projects.	23/11/2018
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	118200	18800

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
EEE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
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International	CSE	27	2
International	ECE	20	2
International	EEE	20	2
International	MEC	9	2
International	HS	7	2
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
HS	1
MEC	9
EEE	12
ECE	15
CSE	20
No file uploaded.	

3.3.5 – 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
Fuzzy Based Energy Efficient Reactive Routing Protocol in Wireless Ad-hoc Networks	Dr. PushpenderSaro a	Journal of Communications	2018	3	Hyderabad Institute of Technology and Management	0
View File						

3.3.6 – 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
Ardino based plant watering system	Dr. Devika SV	Journal of Communications	2018	3	0	Hyderabad Institute of Technology and Management
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	35	38	8	12
Presented papers	1	51	0	0
Resource persons	0	0	0	0
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3.4 – Extension Activities

3.4.1 – 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
Farm Visit and Awareness to students on renewable energy sources - Tumukunta	National Service Scheme	4	63
Flash Mob - Digital India Promotion - HITAM Campus	National Service Scheme	36	45
Harita Haram at Gowdavelli Village, Medhal	National Service Scheme	30	48
Village Survey at Gowavelli at Medchal	Unnat Bharat Abhiyan	12	52
National Khadi Final Event at HiTex, Hydeabad Expo	National Service Scheme	9	18
Blood Donation Camp at HITAM	National Service Scheme	8	118
NSS Orientation Day	NSS	4	60
Grassroots Innovations	Palle Srujana	112	400
Palle Srujana CSY(Chinna Shoda Yatra) from Valetivaripalem to Eetamokkala	Palle Srujana	2	5
Palle Srujana CSY(Chinna Shodha Yatra) 27 from Pedda Kotha Pally to Soma Shila	Palle Srujana	2	1

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3.4.2 – 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
NSS Day Celebrations	Best Active NSS Coordinator Award	JNTU Hyderabad	50
Outstanding Professional Achievement and Inspiring Social Contributions	Shiksha Bharathi Award	Indian Achievers Forum	62
National Earth Day - Oxygen Park	Certificate of Recognition for NSS Activities	JNTU Hyderabad	98
Awareness Program on Behaviour Skill and Plantation - ZPHS School - Children at Gowdavelli Village, Medchal	Certificate of Recognition for NSS Activities	JNTU Hyderabad	54
Online Voter ID Registrations at Gowdavelli Village, Medchal	Certificate of Recognition for NSS Activities	JNTU Hyderabad	64
National Forest Day at Telangana Forest Academy - Dhulapally	Certificate of Recognition for NSS Activity	JNTU Hyderabad	24
National Save Mothoerwood Day at Grama Panchayath, Gowdavelli Village	Certificate of Recognition for NSS	JNTU Hyderabad	42
Eye Check up - Beerunguda Primary School	Recognition for NSS Activity	JNTU Hyderabad	25
Blood Donation Camp	Recognition Certificate	Janani Volunteer Association	150
Harita Haram	Recognition for NSS Activity	JNTU Hyderabad	260

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3.4.3 – 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
Namaste Foundation	International Yoga Day - HITAM Campus	International Yoga Day at HITAM Campus	45	60

NSS	HITAM - NSS Unit	World Water Day at Oxygen Park - Kandlakoya	6	40
NSS	HITAM - NSS Unit	National Forest Day - Telangana Forest Academy Dhulapalli	3	38
NSS	HITAM - NSS Unit	National Earth Day	5	40
NSS	HITAM - NSS Unit	National Education Day at HITAM	6	83
NSS	HITAM - NSS Unit	Blood Donation Camp at HITAM Campus	8	30
NSS	HITAM - NSS Unit	National Khadhi Event Selections HiTex, Hyderabad	9	18
NSS	HITAM - NSS Unit	Village Survey at Gowdavelly, Medchal	12	52
NSS	HITAM - NSS Unit	Haritha Haram at Gowdavelli Vilalge, Medchal	30	68
NSS	HITAM - NSS Unit	Flashmob Digital India Promotion at HITAM Campus	36	45
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Project	Student and Faculty Coordinator	HITAM Institution Supprt	60
On Job Training	Mr. Vinod Ahuja	HITAM Institution Support	30
On Job Training	Mr. Satyanarayna	HITAM Institution Support	40
On Job Training	Mr. Singaiah	HITAM Institution Support	40
Field Trip	Students and Faculty Coordinator	HITAM Institution Support	3
Internship	Students and	HITAM Institution	32

	Faculty Coordinator	Support	
Project	Students and Faculty Coordinator	HITAM Institution Support	18
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3.5.2 – 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
Technology Training	On Job Training	Elegant Embedded Solutions Pvt Ltd, Opposite Bank of India, Plot No 202, Ramchander Nivas, Near SR Nagar Metro Station, Vengalrao Nagar Road, Hyderabad, Telangana - 500038, Phone Number - 09985784340	19/05/2019	15/06/2019	Mr. Vinod Ahuja
Technology Training Program	On Job Training	Prolific Systems and Technologies Pvt. Ltd. Punjagutta X Roads, Hyderabad - 04066101553	24/06/2019	24/08/2019	Mr. Satyan arayana
Technology Training Program	On Job Training	Design Labs, Autodesk Authorized Academic Partner, Hyderabad - 9848721124	18/05/2019	18/07/2019	Mr. Singaiah
Imparting Technical Skills	Field Trip	Powertek Transformers, Balanagar, Hyderabad - 09963333752	21/01/2019	23/01/2019	Students

Imparting Technical Skills	Internship	NSIC Technical Service Center, Near Radhika Multiplex, Electronic Complex, Kamala Nagar, Kushaiguda, Hyderabad, Telangana - 500062, Phone : 04027124597	10/06/2019	19/07/2019	Students
Imparting Technical Skills	Project	Vishakapatnam Steel Plant, Vishakapatnam, Andhra Pradesh - 530031, Phone: 08912518426	03/06/2019	29/06/2019	Students
Imparting Technical Skills	Internship	Defense Electronic Research Laboratory, Kummur Basti, Chandyangutta, Hyderabad, Telangana - 500005, Phone: 24440061	03/06/2019	02/07/2019	Students
Imparting Technical Skills	Internships	Fraternity of Mechanical and Automotive Engineers, #304, Pachavati Apartments, Lane Number 19, Panchasheel Enclave, Alwal, Hyderabad, Telangana - 500010, Phone 080 54745697	03/06/2019	02/07/2019	Students

Imparting Technical Skills	Internship	Lokesh Machines Ltd. , B-29, EEIE Stage 2, Balanagaar, Hyderabad, Telangana 5000037, Phone: 040-23079310	03/06/2019	02/07/2019	Students
Imparting Technical Skills	Project	Swan Turbine Service Pvt. Ltd. , Plot No 168, TSIIC, Pasha mailaram, Near Kirby, 502307, Phone: 08455224231	03/06/2019	02/07/2019	Students
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Fraternity of Mechanical and automotive engineering (FMAE)	15/05/2018	Desining and manufacturing on quad bike	45
Neelima Hospitals Pvt. Ltd.	02/01/2019	Medical treatment facility for faculty , staff and students	0
Prolific Systems and Technologies Pvt. Ltd.	01/09/2018	Faculty and Student Training	55
Emembedded Elegant Solutions Pvt. Ltd.	05/06/2018	Students Training	26
Technical Development Center (TDC) Hub	19/11/2018	Imparting Technical Skills and Training	29
Dhanush Engineering Services India Pvt. Ltd.	19/09/2018	Student Training on Electrical Design	50
Palle Srujana	06/07/2018	Grassroots Innovations Activities	120

Indian Society for Non Destructive Testing (INST)	15/05/2018	Training on Technical Knowledge and Professional Development	24
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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
139	133

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ERP Library Tool	Fully	4.0	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31379	9153710	3941	1490820	35320	10644530
Reference Books	4468	1346521	256	96839	4724	1443360
e-Books	462	0	2	0	464	0
Journals	56	126535	24	60805	80	187340
e-Journals	400	13570	0	0	400	13570

Digital Database	2	84370	1	0	3	84370
CD & Video	1813	0	0	0	1813	0
Library Automation	1	175000	0	0	1	175000
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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. Devika SV	Analog Communication	Moodle	16/07/2018
Mr. Vinod Ahuja	Introduction to IoT	Institutional	16/07/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	420	2	100	2	2	2	4	100	0
Added	0	0	0	0	0	0	0	0	0
Total	420	2	100	2	2	2	4	100	0

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

100 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
Lecture Recording System	https://www.youtube.com/channel/UCxi83tJmniFcBOxdabZB5GA

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
100	101.3	255	255.88

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

LABORATORY The laboratories in the college are furnished according to the statutory rules. Necessary equipment and material is procured to deliver to the students the best standards of education. • Lab-in-charges record the details of consumable and non-consumable equipment in respective registers. • Fire Safety equipment is maintained in labs as precautionary measure. • With respect to the time table, the students perform experiments in their assigned labs with assistance and supervision from the lab-in-charges and lab technicians. • Before the commencement of the academic year, a lab audit is conducted for verifying the functioning of the equipment and suitable actions will be taken. • Regular inspection of machines, cleaning of the machines, calibration of the equipment is done at periodic intervals to keep the equipment in proper working conditions. **LIBRARY Circulation Policy:** • A book bank scheme is implemented in the institution through which they can avail one book for each subject. • They are also assigned with additional library cards to avail additional books which can renewed for every 15 days. Renewal is allowed, if there is no demand for the same book, from other readers. • If the books are lost or damaged, the borrower must replace a new copy of the same. • Two back-Journals/Magazines shall be issued for 8-days. **Class Room** The environment of students where they study plays a pivotal role in their performance. It therefore becomes extremely necessary to provide them with a surrounding that is peaceful, comfortable and spacious. The college takes necessary steps to make this possible. **Utilization** The institute provides the required number of class rooms as per the norms. The classroom allocation is done by the Principal and the HoDs in a meeting and the same is communicated to the faculty and students of the respective departments. **Maintenance** The benches and windows are cleaned and mopping of the class rooms is done everyday. In case of any damage the same is reported to the concerned department head and following due procedure the same is repaired or replaced. **Sports** A sports committee is created to handle the matters and concerns related to sports. This committee consists of students as well as concerned faculty. A meeting will be held on the last Friday of every month to discuss the matters pertaining to procurement, maintenance of sports equipment and also regarding the conduction of sports activities. The college requires sporting gear for all the sports practiced. The equipment recommended is procured from the vendors by placing a purchase order to a supplier. On receiving the materials, the same are entered in the stock register after verification of the invoice with material supplied. **Utilization process** • Students are permitted to play during the sports hour as per the time table and also during off the working hours. They can obtain the sports material with prior permission from the Physical Director to play after working hours. • In case of any damage observed, the same is recorded in the register and suitable action will

https://drive.google.com/file/d/1zaFEz5R1eBCQJVz_pzltQ3gvAwyqjk8p/view?usp=sharing

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	Freeship	125	2321200
Financial Support from Other Sources			
a) National	NA	0	0
b) International	NA	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Guidance for Competitive Exams	16/07/2018	315	Focus Academy for Career Enhancement
Career Counselling	16/07/2018	985	HITAM
Soft skill development	16/07/2018	1190	Focus Academy for Career Enhancement
Remedial Coaching	16/07/2018	240	Technical Departments, HITAM
Language Lab	16/07/2018	287	Humanities and Sciences - English Department, HITAM
Bridge Course	16/07/2018	450	HS, HITAM
Yoga and Meditation	16/07/2018	750	Mr. Dattatreya, Yoga Guru
Personal Counselling	16/07/2018	1261	Mentors of respective department, HITAM
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Career Guidance and Counselling	1261	1261	18	271
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
6	4	3

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
20	353	208	20	249	48
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech	ECE	Confederation College, Thunder Bay, Canada	MS in Embedded Systems
2018	1	B.Tech	Mechanical	Arden University, Hamberg	MS in Project Management
2018	1	B.Tech	CSE	JNTUH	M.Tech in Forensics
2018	1	B.Tech	ECE	Wollongong University, Australia	MS Project Management
2018	1	B.Tech	ECE	Southern Illinois University, Carbondale	MS Electrical and Computer Engineering
2018	2	B.Tech	CSE	Victoria University	MS Applied Information Technology
2018	1	B.Tech	CSE	A&M University, Texas	MS Computer Science
2018	1	B.Tech	CSE	University of Illinois, Spring Filed	MS Computer Sciecn
2018	1	B.Tech	CSE	University of North Carolina at Charlotte	MS Computer Science
2018	1	B.Tech	ECE	Confederation college	PG Diploma Embedded systems
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GRE	2
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Inter college volley ball competition for men	Inter college	81

Inter college volley ball competition for women	Inter college	72
Inter college Basket ball competition for men	Inter college	55
Inter college Basket ball competition for women	Inter college	66
Inter college Football competition for men	Inter college	71
Inter college cricket competition for men	Inter college	69
Inter college Throw ball competition for women	Inter college	66
Inter college kabbadi competition for men	Inter college	62
Inter college chess competition for men	Inter college	59
Inter college Table tennis competition for men	Inter college	52
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Rock Climbing	National	1	1	18E51A0489	Shivani Singh
2019	First	National	1	1	17E51A0590	Bharath Ressay
2019	Kabaddi	National	1	1	17E51A0343	M Raja Ram
2019	Throwbal	National	1	1	17E51A0503	Akanksha
2019	Kabaddi	National	1	1	17E51A0216	Kammari Chaithanya Achari
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student's life at HITAM encompasses both the spaces where students spend time outside class and the activities where they develop new interests, make friends, and learn new skills. From the Class Room to the Play Ground, from Library to Society our students find numerous opportunities for individual and intellectual development. They get ample opportunities to involve and support

the authorities in planning and implementing the curricular and Co-curricular activities, academic and administrative matters of the institution. HITAM formulated various committees comprising of faculty and students together for the effective implementation of above activities. Apart from various committees we formed a Students SelfGovernance committee (SSG) which will help the students to understand the functioning of an education system and also to contribute towards the overall development of HITAM. At the broad, systemic level, student self-governance committee owns the honor where they derive authority to run the institution directly. Students are selected as leaders, and those student leaders are responsible for operating the college on a day per month and help in initiating policy revisions and other changes, and for making all decisions about disciplinary actions. Students Self Governance (SSG) committee: · Student Director · Student principal · Dean - RD · Dean - CDC · Heads of the Department, · Administrative Officer · student faculties The roles and responsibilities of student council in mentioned committees are: · Being part of institutional decision-making process. · Advising and giving support to the deliverance of effective and efficient student support services. · Managing and governing student image at different levels of the institution. · Advising on the progress of academic programs and student-learning experiences. To express their opinion to the administrative bodies of the Institution. · To confer with students on any issue of importance. · To organize educational and recreational activities for students. · To organize an activity or an event to recognize the efforts of students involved in organizing college activities. · To put forward activities to the college management that would improve the quality in the campus. · Student council has to ensure pleasurable impression for smooth conduction of academic activities in the college premises. · To actively take part in the activities like Technical and skills development programs, assessments, Group Discussions and Mock Interviews that helps them to get placed in reputed corporate companies. · To aggressively engage in extra-curricular activities like Haritha haram, outreach programs, community development, Sports and Cultural events. · To assist the faculty members for personal counselling that help the students to identify their problems in the academics. · Energetic participation of students in achieving ragging-free, plastic-free campus Active participation of Student's are encouraged in the following Committees: 1. Anti-Ragging Committee 2. IQAC 3. Discipline Committee 4. Academic Committee: 5. Grievance Redressal Committee: 6. Library Committee: 7. Women empowerment Committee: 8. Canteen Committee: 9. Counselling/Mentoring Cell: 10. Transport committee: 11. Sports Committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Response: HITAM Alumni Association (HAA) has been active since 2004 and registered as society vide 741 of 2018 dated 25 May, 2018. HAA meets twice in a year on 15th August and 26th of January to chalk out the agendas, list out academic activities to be conducted or sponsored in every semester. Minutes of the meetings put up to governing and executive bodies of the college for approval and executed by alumni as per schedule. Rendezvous and Services: HAA has been functional, highly proactive and regularly been meeting for further continuation in terms of inputs, feedback and participation in the improvement of the Institution. · Life-long Learning: HAA supports the existing students for Guest lectures, goal setting process, contributing social learning through various Affinity clubs, conducting awareness sessions on changing dimensions of technology and opportunities, career building workshops, mock-interviews, discussion sessions during meets, Soft Skills, Spoken English, Personality Development and skills to face Interviews, Resume Writing and guiding in experiential learning. · Student-Alumni Contact: Alumni always supports the

current students in mentoring, guiding on placement and higher education opportunities, connecting the influential people to the current students for research. HAA share their journey and personal experience in the field through the alumni portal of the institute. HAA discuss the educational path chosen the obstacles overcame, the choices made that benefitted and much more. Continuous interaction of HAA with students updates the emerging trends in the industry. • Events and Reunions: HAA helps in organizing or supporting various institutional social, sports and cultural events. Supporting as mentors and judges in Hackathons and conducting technical workshops part of it. This gives students a window of opportunity to learn from people in the working field. Those who are in fields that interest the students can be requested to help students with their projects. Many field visits are also organized to these industries hosted by the alumni. • Contribution: The alumni association undertakes institutional projects. HAA provides structured feedback about the syllabus, exam patterns and infrastructural facilities offered by the institution and the valid suggestions are implemented. It shapes the moral, intellectual and psychological attitude of the students as they get number of chances to participate in learning, discussing, and researching about the practical knowledge.

5.4.2 – No. of enrolled Alumni:

838

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

512000

5.4.4 – Meetings/activities organized by Alumni Association :

August 15th 2018 and January 26th 2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution believes the culture of decentralized governance and transparent mechanism in management, administration, financial and academic affairs by involving the Principal, Deans, HoDs, Leads, Coordinators and senior faculty members. The institution believes in delegating appropriate responsibilities to all the administrative committee members and allows the top management to focus on policy making and major decisions. The Governing Body of the institute constitutes the Management members, one representative from the university (JNTUH), Industry representative nominated by the Management, College Principal (as member secretary) and two senior faculty members. The Governing Body consisting of eminent educationalists and social workers, draw up perspective plan for medium and long term such as being an autonomous institution in the medium term and a reputed university in the long term. The Principal discusses the outcomes of Governing Body meetings with the HODs and Deans to evolve a consensus on the focus areas of teaching learning process, research and development. Once the approvals are given, the Principal and Heads of the Department are free to take all decisions related to governance, academics, evaluation etc. The activities pertaining to the college in respect of teaching learning, research and development, industry interface and student activities are reviewed by the Governing Body which is the apex body of the college. The academic activities are initiated by the department faculty in consultation with the students and other stake holders. A suitable academic calendar and its plan of implementation is prepared which is approved by Academic Committee . Any grievance in academic activities is represented to the

Grievances Committee Various committees such as Academics, Library, Sports, Canteen, Anti-ragging, Discipline, Transport, etc., are set up with the faculty as conveners and student representatives, who take decisions on a variety of issues through committees. HODs are empowered to plan and execute the academic activities as per the academic plan for timely implementation. Departments conduct fortnightly meetings with well thought out agenda to improve the quality of instruction and performance of students in academics. Minutes of meetings with action plans are issued. The IQAC of the College plays an important role in quality assurance, its sustenance and enhancement through continuous interaction with faculty and students. Before conduct of quarterly meetings, the coordinator invites points for agenda, suggestions and problems from all members of IQAC including students. The minutes of the meetings are communicated to all the members for follow up actions. The college promotes the culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement. All academic and administrative activities are decentralized and decisions are taken consensually based on discussions and deliberations at various levels of staff meetings between Principal, HODs and stakeholders

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	<p>70 of the seats are filled by the Convener, EAMCET under category A. Detailed notifications are issued by the State Council for Higher Education to attend certificate verification and exercise web options. Final allotments are announced through portal to both candidates and the respective colleges. Candidates need to report to the college within the dates specified. All the students who are eligible for fee reimbursement have to submit relevant documents during web counselling. Reimbursement is subject to the government policies, eligibility criteria and submission of relevant documents in time.</p>
Industry Interaction / Collaboration	<p>One activity that the institution was successful in this regard is enhancement of infrastructure with green building technologies. HITAM is the first green building educational institution to be Silver rated by US Green Building Council during 2008. Efforts did not stop just after getting the green rating but continued to sustain the performance of the building by making suitable changes to infrastructure and landscaping. College implemented sewage water treatment plant to ensure more ground water</p>

reserves. All the lighting requirements have been met with the LEDs to ensure lower power consumption. Renewable energies from solar and windmill have been generated to reduce burden on the environment. The landscaping has been maintained as per the green building requirements. Continuous feedback from the visitors and students is taken into consideration and improvements have been made to provide learning environment to the students in the classrooms, laboratories, grounds and other utility places.

Human Resource Management

The college promotes the culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement. All academic and administrative activities are decentralized and decisions are taken consensually based on discussions and deliberations at various levels of staff meetings between Principal, HODs and stakeholders

Library, ICT and Physical Infrastructure / Instrumentation

The students' technical competencies are enhanced through Student Skill Development Centers (SSDCs) by every department to encompass state of the art technologies in their domains relevant to industry needs. Through special measure such as Students Self Governance (SSG), the students are given the responsibility to run the institution one day in a month, by designating them as Principal, Director, Deans and HODs. In addition, they also have to deliver lectures in place of faculties. This entire gamut, ensures that the students grow up to take on the responsibilities to run the institution on their own for a day in a month, thus realizing the accountability and governance problems.

Research and Development

Unique program in which teams of undergraduates are designing, building, and deploying real systems to solve engineering-based problems for community service and education organizations. EPICS was founded at Purdue University in Fall 1995 and has since spread to a diverse group of Universities in the United States and abroad, as well as to a number of k12 programs.

Examination and Evaluation

The students' technical competencies

are enhanced through Student Skill Development Centers (SSDCs) by every department to encompass state of the art technologies in their domains relevant to industry needs. Through special measure such as Students Self Governance (SSG), the students are given the responsibility to run the institution one day in a month, by designating them as Principal, Director, Deans and HODs. In addition, they also have to deliver lectures in place of faculties. This entire gamut, ensures that the students grow up to take on the responsibilities to run the institution on their own for a day in a month, thus realizing the accountability and governance problems.

Teaching and Learning

IQAC focuses on TLP. It has helped in maintaining transparency by adopting new techniques in teaching, meticulous evaluation, setting question paper following Blooms Taxonomy so as to achieve attain course level objectives outcomes program level objectives outcomes. Faculty conclave is a half yearly event at HITAM to showcase the best pedagogies implemented by the faculty in each semester. All the faculty are asked to make presentations for 10 minutes at the end of semester to share the best experiences in terms of implementation of innovative pedagogies. All the other faculty follow the presentations and learn from each other. This review of the pedagogy throws up innovative methods for adaptation I the ensuing semester.

Curriculum Development

? Curriculum Development: HITAM believes in the concept of begin with end in mind, when it comes to facilitating engineering education for the current young generation. In line with this belief, Outcomes Based Education (OBE) was added to the agenda of important initiatives which would impact student learning. In 2014, 14 faculty members were given opportunity to attend a workshop on OBE for the first time during 1st International Conference on Transformations in Engineering Education (ICTIEE) in India organized by Indo Universal Collaboration for Engineering Education (IUCEE) . Discussions on the scope of increasing the awareness on OBE have taken place during the same academic

year and has been resolved to continue efforts in converting faculty from traditional teaching to OBE approach.

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

E-governance area	Details
Planning and Development	ERP/IONCODU/AUTOMATION/GO TO MEETING
Administration	ERP/IONCODU/AUTOMATION/GO TO MEETING
Finance and Accounts	ERP/TALLY
Student Admission and Support	ERP/AUTOMATION
Examination	ERP/AUTOMATION/EDMOD0

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	G Singaiah	Workshop on KLE Tech-Prayog Sharat 2018,Hubli	NA	3286
2019	Morrish	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Surendra reddy	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Pavani	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Singaiah	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Anil kumar	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Aishwarya	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830
2019	Srinivas	Workshop on Project Expo at KLE Tech in HUBli 2019	NA	2830

2019	M S Ali	Workshop on Project Expo at KLE Tech in HUBLI 2019	NA	2830
2019	Morrish Kumar	International Conference in Transformation In Engineering Education , Chitkara University , punjab , Chandigarh .	NA	9540
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6.3.2 – Number of professional development / administrative training programmes organized by the College 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	Two day workshop on The Android Application Development	NA	18/01/2019	19/01/2019	6	4
2019	One Day Workshop on IoT training using Arduino	NA	24/01/2019	25/01/2019	4	1
2019	A Hands on Workshop on ARDUINO processor	NA	13/03/2019	14/03/2019	5	1
2019	Two Day Intensive Automobile Workshop	NA	29/03/2019	30/03/2019	16	4
2019	Workshop on Oracle Database Programming with SQL in Association with TASK	NA	08/04/2019	10/04/2019	3	2

2019	National Conference on Recent Challenges in Engineering, Science and Technology - 2019	NA	26/04/2019	26/04/2019	65	1
2018	FDP on table topics marathon	NA	29/09/2018	29/09/2018	26	1
2018	Two day workshop on Installation of Solar PV Power Generation Technologies	NA	24/01/2018	25/01/2018	12	1
2018	Seminar on Emerging Technologies	NA	18/08/2018	18/08/2018	12	1
2018	Workshop on Industrial Automation with PLC and SCADA	NA	31/08/2018	01/09/2018	12	1
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
National conference on recent challenges in engineering science and technology	26	26/04/2019	26/04/2019	1
FDP on Train the Trainers on Induction Program in JNTUH under TEQIP-III	1	05/08/2019	07/08/2019	3

FDP on Integration of Renewable energy sources in NITW	3	03/06/2019	08/06/2019	5
Short term course on non destructive testing for failure analysis and prevention under TEQIP-KIT	1	20/05/2019	22/05/2019	2
Idea Conceptualization through additive/subtractive manufacturing methods at IIT Roorkee	2	08/07/2019	12/07/2019	4
FDP on Kinematics of Mechanisms and Machines through NPTEL - AICTE	1	01/01/2019	01/03/2019	42
FDP on Manufacturing process technology through NPTEL - AICTE	1	01/01/2019	01/04/2019	56
FDP on Thermodynamics through NPTEL - AICTE	1	01/01/2019	01/04/2019	56
FDP on Product design development through NPTEL - AICTE	1	01/01/2019	01/02/2019	28
FDP on Manufacturing Process Technology through NPTEL - AICTE	1	01/01/2019	01/04/2019	56
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
112	112	38	38

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
17	17	5

6.4 – Financial Management and Resource Mobilization

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

The Accounts department prepares the budget estimates by collecting the requirement with regards to recurring and non-recurring expenses at the department as well as at Institute level. The department conducts the budget meeting well in time before the commencement of academic year, collects the various requirements from the faculty and lab in-charges for the procurement of equipment (based on the changes in curriculum or based on obsolete items) and also separates budget for the maintenance of the equipment for conducting experiments for the coming semester. The HoDs conduct a meeting with the faculty members to collect the inputs regarding the activities planned for the coming academic year and prepares a budgetary requirement. The accountant collects the requirements of the budget from various departments All the budget requirements are consolidated and put forward to the admin committee. The committee suitably conducts the meeting with HoDs, Coordinators, AO, Librarian, HR and other coordinators to fine-tune the requirement of budget for the financial and academic year. After deliberations in the meeting, any changes required will be incorporated in consultations with the concerned head. The final consolidated budget is submitted through the Principal for further action of approvals from the management/governing body. Once the budget is approved, the department is empowered to utilize the same for conducting the activities as desired in the proposals. The sanctioned budget is released by following the due procedures and the necessary bills for the same are collected by the accounts department for the expenditure incurred. The institute carries out two type of auditing Internal and External. The college has an Internal Finance Committee to examine the budget proposals, receipts, bills and vouchers and supporting documents for the current year. The financial committee after scrutiny, may advise the concerned departments for any possible improvement. They also verify the due process followed in application, sanction and utilization of the budget. After due verification the accountant prepares the balance sheet. The institute also appoints an external auditor (registered firm) as per the income tax regulatory authority who carries out auditing of the institute budget and gives the valuable inputs to the management for effective planning and implementation of budgetary requirements. Once the budget is audited for a financial year the same will be made available on the college website.

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
Philosophers	4145332	Institutional Development and student training
View File		

6.4.3 – Total corpus fund generated

4145312

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	FFC (JNTUH)	Yes	Principal
Administrative	Yes	FFC (JNTUH)	Yes	Principal

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

1. Parent Teacher meeting . 2. Induction Program . 3. Annual day .

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

1. T axis Skillathon on Test your English Skills patnered by The times group 2. Session on Thoughts and Emotions by TMOU Hema Sai Sree U 3. Session on Organisational values Strategic Development by Rohan

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

1. Preparation of AQAR 2. Applying for NIRF 3. Applying for NBA

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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	Oxford English Assessment implementation	23/02/2019	01/05/2019	01/06/2019	10
2019	Starting EWB (Engineer without Borders) Student Chapters	31/05/2019	04/10/2019	04/10/2019	37
2019	Renewal of IONCUDOS Tools	23/02/2019	07/05/2019	07/05/2019	15
2019	Stock verification and Library Verification	23/02/2019	02/04/2019	02/04/2019	11
2019	Mentor Record Refinement	23/02/2019	18/05/2019	18/05/2019	17
2019	Remidial Classes planning and	23/02/2019	01/03/2019	30/04/2019	14

	Implementati on				
2019	Center of Excellence Establishment	31/05/2019	17/10/2019	17/10/2019	15
2019	lecture Capture studios for continuous learning and flipped classroom	23/02/2019	08/05/2019	08/05/2019	11
2019	Internship /Project	31/05/2019	29/06/2019	31/07/2019	9
2019	Project Expo Srijan 2019	23/02/2019	13/04/2019	13/04/2019	7
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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
Women Empowerment Skill Development towards Entrepreneurship	08/03/2019	08/03/2019	78	136
Peace Workshop on Entrepreneurship and Creative Engineering	11/02/2019	12/02/2019	61	95
Technology Entrepreneurship Program 2.0 Hackathon	01/02/2019	03/02/2019	7	3
Interaction session by Knack Minds on Equal Opportunities	04/01/2019	04/01/2019	37	60
Lecture on work life balance	14/03/2018	14/03/2018	25	37
practical sessions on yoga for gender	21/04/2018	21/04/2018	30	32

equity

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

Power requirement met by renewable energy sources: 2190KWA , 1.98

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1000
Provision for lift	Yes	1000
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	0
Rest Rooms	Yes	500
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nil	1	18/07/2018	1	Created awareness amongst the farmers	Awareness to farmers on modern method farming	50
2018	Nil	1	28/07/2018	1	Flash mob Digital India promotion	Promoting digital India	122
2018	Nil	1	08/08/2018	1	Haritha Haram	to make the society greener	63
2018	Nil	1	10/11/2018	1	Blood Donation Camp	donate blood to the janani organization.	110
2019	Nil	1	21/03/2019	1		Created	26

			019		National Forest Day	Awareness among the People on the Society	
2018	Nil	1	13/08/2018	1	National Khadhi Event selections	participate in the Khadhi expo	30
2018	Nil	1	05/07/2018	1	Farm Visit	experience and the knowledge to the people in the village	43
2019	Nil	1	30/08/2019	1	Haritha Haram	Created Awareness among the People on the Society	114
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct	11/07/2016	Uploaded in the website for the benefit of the stakeholders

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic day	26/01/2019	26/01/2019	450
Martyrs Day	30/01/2019	30/01/2019	120
Independence day	15/08/2019	15/08/2019	320
Republic day	26/01/2018	26/01/2018	285
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Green Building 2. LED Bulbs 3. Solar and Wind Energy 4. Sewage Treatment Plant 5. No Air Condition Machines 6. Solid and Liquid Waste Management 7. Rain Water Harvesting 8. Green Landscaping 9. Usage of Bicycles 10. Day Light Optimization

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? Best Practice # 1 1. Title of the Practice: Engineering Education Practice (EEP) 2. Objectives of the Practice (100 words): To transform the process of learning in Engineering Education and to become pioneer in Engineering Education practices, HITAM initiated various programs for the faculty to

improve the teaching and learning in Engineering Education and to follow various innovative pedagogies to improve the quality of teaching and better learning among the students. HITAM believes in the concept of "begin with end in mind", when it comes to facilitating engineering education for the current young generation. In line with the belief, Outcomes Based Education (OBE) was added to the agenda of important initiatives which would impact student learning.

3. The Context: (What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice (in about 150 words))? HITAM believes in "Doing Engineering rather than studying Engineering", to enhance the learning levels of students, various innovative pedagogies apart from chalk and talk are being implemented in the institution since many years. Faculty to become experts in teaching, various trainings and workshops were organised at the institution by Indo Universal Collaboration for Engineering Education and other reputed Universities. The publication of papers in international journals itself depicts this practice being followed in the institution. The impact of Engineering Education is experienced by HITAM students.

4. The Practice. Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced (in about 400 words)?

Faculty certification programs:

- 25 faculty were certified in IIEECP (IUCEE International Engineering Educator Certification Program) certification program
- 25 faculty were certified by Indo Universal Collaboration for Engineering Education in Outcome Based Education system
- 4 faculty were certified in "Engineering Education Research (EER)" by IUCEE

Workshops/Trainings organized at HITAM on Engineering Education:

- Workshop by William Oakes, Director of EPICS (Engineering Projects in Community Services), Purdue University on "Community projects in Engineering Education"
- Workshop on "Transformation in Engineering Education" by Prof. Krishna Vedula, Director of Indo Universal Collaboration for Engineering Education
- Workshop on "IUCEE International Engineering Educator Certification Program-Phase 1" by Dr. Rio, Principal of St. Antonis college of Engineering.
- Workshop on "Outcome Based Education" by Dr. Claire Komives, IUCEE expert full bright-Nehru senior Scholar 2019-20, Sanjose State University, USA
- Workshop on "IUCEE International Engineering Educator Certification Program-Phase 1" by Dr. Sohumi Soha, Arizona State University
- Workshop on "Outcome based education and transformation" by Dr. Ashok Shettar, Vice Chancellor, KLE Technological University, Hubli
- Workshop on "Teaching and Learning practices in Engineering Education" by Dr. Gopala Krishna Joshi, Director of CIE, KLE Technological University, Hubli
- Workshop on "Engineering Education in India" by Mr. Javed, Engineering Education Research Scholar of Arizona State University, USA

HITAM faculty regularly attend webinars conducted by "Indo Universal Collaboration for Engineering Education". The evaluation of pedagogies is done every year as "Faculty Conclave" in the presence of External resources from various Institutions implementing Engineering Education practices, where all HITAM faculty project their innovative pedagogies with proofs which helps in knowledge sharing.

HITAM is being mentored by Honorary professors:

- Professor Ashok Shettar, Vice Chancellor, KLE Technological University, Hubli
- Professor Sanjay Dhande, Retired Director IIT Kanpur
- Professor Mallikarjun Babu, Former Principal of BMS college of Engineering, Bangalore
- Professor Gopala Krishna Joshi, Director, KLE Technological University, Hubli
- Professor Krishna Vedula, Director of Indo Universal Collaboration for Engineering Education
- Professor William Oakes, Director of Purdue University

5. Evidence of Success. Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words.

- HITAM received "Best transformation Education Institution in India award" for 3 times by Indo Universal Collaboration for Engineering Education, USA.
- HITAM received "Siksha Bharathi Award" by Indian Achievers forum supported by AICTE
- HITAM received "Outstanding Leadership award of the world" by IUCEE, USA

More

than 50 faculty certified in Engineering Education practices ? More than 25 papers were published by HITAM students in International conferences on Engineering Education ? 3 faculty were certified from NPTEL, MHRD on "Teaching Learning Practices" ? HITAM students successfully launched 2 projects and attempted 17 assignments and achieved "Student Leadership award" in "Engineers without borders (EWB) student chapter ? 20 faculty were trained under "Mission 10X program on teaching practices in Engineering" by Wipro company ? 3 faculty received "Microsoft Educator certificates" ? 2 faculty were pursuing PhD in "Engineering Education Research" 6. Problems Encountered and Resources Required. Please identify the problems encountered and resources required to implement the practice (in about 150 words). ? Identifying team of faculty at the initial level ? To identify external expertise in Outcome Based Education ? To evaluate the pedagogies implemented in Engineering Education ? Documentation process of the implementation ? Motivating Faculty to pursue PhD in Engineering Education ? Students initial acceptance beyond chalk and talk Complete details are uploaded in the additional information 7. Notes (Optional) Please add any other information that may be relevant for adopting/ implementing the Best Practice in other institutions (in about 150 words). Any other information regarding Institutional Values and Best Practices which the Institution would like to include. Supporting data for EEP: 1) IIEECP 2) OBE 3) EER 4) NPTEL on Engineering Education 5) PhD in Engineering Education 6) Promoting Engineering Education 7) Papers by students 8) Best Engineering education transformation institution award for 3 years 9) Workshops on Engineering Education (sohum, Claire, javed,rio) 10) Faculty training programs by KLE tech 11) Teaching pedagogies implementation 12) Faculty conclave for evaluation 13) IUCEE speed and scale chapters 14) Webinars IUCEE 15) Lead EEP for this best practice 16) EWB ? Best Practice # 2 Engineering Projects in Community Service (EPICS) - Service Learning Objectives EPICS is a unique program in which students design, build and deploy real systems to solve engineering based problems for community service and education organizations. HITAM has started this initiative in 2015 where students from multidisciplinary are solving community problems by providing Engineering Solution. HITAM has signed a MOU with 'Purdue University'. HITAM stands first to implement 100 as per the framework and received compliments from Professor William Oakes, Director, EPICS, Purdue University USA. HITAM also entered a MoU with IEEE in EPICS working collaboratively with another six colleges in India to come out with a model curriculum for community engagement in technical institutions. The specific objectives are: ? To offer Community services through engineering ? To gain skills to "define-design-build-test-deploy-support experience", communication skills, experience on multidisciplinary teams, and leadership and project management skills. ? To gather awareness of professional ethics, the role of the customer in engineering in the community. The Context Technologies are reaching the footsteps of the villages on all activities like agriculture, irrigation, food processing and marketing through the evolution of communication. However they are unable to understand the technology and its implementation, it is here that the role of epics students is utilized. They resolve the problems of awareness, understanding, application and enforcement of the technologies. EPICS student do face difficulties while implementing and are resolved by the EPICS cell of HITAM. EPICS prepares annual budget keeping in view of specific workshop and training planned and executed in semester wise. It also conducts Technical-Expo every semester and the evaluation is done by the industry experts. Selected projects takes part in ICTIEE competition annually organised internationally by IUCEE, USA. The Practice EPICS is a HITAM practice in which all first year students have three hours training in the curriculum. Organised visit to adopted villages and old-age homes by the first year students and conducted to give a hands-on experience in community service and difficulty/problem. Second year onwards only volunteers are enrolled as EPICS team the community service are graded year-wise like visit

hospitals/orphanage homes/Old-age Homes third/fourth year students visit adopted village/industry. The epics team identify the needs of the society, asses the workability then workout specification matches with commercial availability, then discuss the feasibility with environment and finalises the design aspect for new project/ modification required in commercial products.

Prototypes have made and feel test is carried out and feedback of user satisfaction is recorded. The inputs from the environment are deliberated through group discussion and modify the design to develop a robust product final installation and imparting training is done by the same team. Their expenditure of the project is made out of epics budget. Every project in EPICS follows Design Thinking Process. Design Thinking Process has following modules. Each module has specific task that students have to do for delivering the end product to their community partner. ? Project identification: In this stage students identify a specific problem faced by their identified community partner based on their needs. ? 2. Specific development: In this stage the students identify products in the market for their specific problem and identify gaps between them. They build a simple prototype using

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

<http://www.hitam.org>

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

2. Objectives of the Practice: This institution sought to impart qualitative education in the field of Engineering and Management. Transformation at HITAM does not stop with mere physical infrastructure it extended far beyond. It has manifested as best practices, which have evolved with continuous refinement, in this process the Students Skill Development Centre is established in HITAM keeping in the view of doing engineering rather than studying engineering. The objective of this centre is to bring holistic development in the student and make them contribute to the society through the engineering knowledge by filling the gap between academic world and industry. 1.The Context: (What were the contextual features or challenging issues that needed to be addressed in designing and implementing this practice)? Students from various disciplines form into batches and do projects in a team to achieve a common objective and complete the assigned project which helps to solve the community problem. Engineering students lacks in hardware and software skills from their curriculum which is the biggest challenge to be addressed by the centre. Various workshops and certification programs are organised to meet industry standards and to enhance the skills of the students and make them to do innovative projects. Department wise programs organised are: Ø ECE SSDC conducted workshops on latest technologies like IOT, Raspberry Pi and Arduino Ø Mechanical SSDC conducted 48 hours training in auto cad and 80hrs for each in Inventor, Creo, Fusion360, Fem and Revit Mep. Ø EEE SSDC conducted trainings on PLC/SCADA Ø CSE SSDC Conducted certification program and several workshops on latest Technologies like Machine Learning with Python, Android, Oracle Programming and Business Intelligence. 1.The Practice Describe the practice and its uniqueness in the context of India higher education. What were the constraints / limitations, if any, faced? Ø Various Certification programs, Trainings and workshops imparts hands-on experience to the students to work for community projects Ø Alumni from Industries are regularly invited to address students and to guide them through the career options, provide industry insights and to impart knowledge on the current trends and latest technologies. Ø Students are encouraged to participate in technical contests, design expos, carry out project work, undergo internships and also organize various technical

activities to enhance their knowledge through experience Ø Centresfor Excellence are established in every department identifying the respective domain expertise. 1.Evidence of Success Provide evidence of success such as performance against targets and benchmarks, review results. What do these results indicate? Describe in about 200 words. Ø 50 students got certified by Prolific Systems Technologies Pvt. Ltd from HITAM.

Provide the weblink of the institution

<http://www.hitam.org>

8.Future Plans of Actions for Next Academic Year

1. Obtaining Autonomous Status 2. Introducing Programs on Emerging Technologies (AI, ML, Cyber Security, Data Science) 3. Getting NBA Accreditation for EEE Program 4. Starting Centres of Excellence in IoT, AI, Electric Vehicles, Robotics and ARVR to offer minors and honors