Yearly Status Report - 2019-2020

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.	**08418-200074**
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.	**09248711151**
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/about/AQAR_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/AY_2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A+**	**3.36**	**2021**	**08-Jan-2021**	**07-Jan-2025**

6. Date of Establishment of IQAC	**24-Dec-2015**

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
Audit of NAAC	**11-Nov-2019**	**10**

Preparations	1		
Review of Tool for NBA (OBE Implementation)	13-Nov-2019 1		90
Awareness session on Mapping POs in Mid Exam Question Paper	18-Dec-2019 1		75
Review of Institutional Presentation for NAAC Visit	28-Feb-2020 1		8
Review of GCSP Proposal	25-Mar-2020 1		15
Audit of NAAC Documentation	16-Sep-2019 1		112
Review of Institutional Strategic Objectives	03-Jul-2019 1		7
Review of Proposal to MSME	25-Oct-2019 1		12
[View File](#)			

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
Jawaharlal Technological University, Hyderabad	TEQIP	JNTUH	2019 2	296000
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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 :	**3**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Review of Draft Application for Autonomous Status

Quality Audits NAAC, NBA and Autonomous Status Sessions by Prof. Sanjay Dhande (Chairman Governing body), Prof. Ashok Shettar(KLE Technological University), Prof. Joshi (KLE Technological University), Prof. Pratap Reddy (JNTUH)

Review of Policies

Competing for Awards (Microsoft Imagine cup, AICTE Lilavati award, Green Campus, Swachata award)

Conduction of FDP's

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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
AICTE Lilavati Award	Received second runner up in India
Grand Challenges Scholars(GCSP) program initiative	First Institution from India to become GCSP member
Review of ARIIA Ranking	Ranked under Band B under Affiliated Institutions
Review of Microsoft Imagine cup	Won the prize from India
NAAC Preparations	Achieved NAAC A+ with 3.36 score
Review of Autonomous application	Successfully completed UGC autonomous inspections
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	07-Mar-2020
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020

Date of Submission	14-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	HITAM MIS contains various modules like: Admissions, Academics, Fee payments, Employee details, Examinations, Library, Transport, Correspondence along with general administration. 1. The Admission module deals with the process for registration by a student for admission into the B.Tech program. It also deals with the documentation and report generation pertaining to scholarships, attendance, general circulars, leave details, library details etc. 2. Academic module deals with faculty, attendance, credentials, timetable, leave adjustments, feedback, lesson plan, uploading of resource material, question bank, teaching plan etc. 3. Fee payment details generate the reports pertaining to fee payments, fee dues 4. Employee module deals with the employee profile, attendance register, payslips etc.

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/ textbooks. 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/entreprene urship	Skill Development
Introduction and Interfacing with Raspberry pi	NA	02/01/2019	30	No	Yes
Autodesk - Fusion 360 integrated CAD/CAM	NA	04/01/2019	30	Yes	Yes
Autodesk CAD/CAM for Manufacturin g Specializa tion	NA	23/07/2019	30	Yes	Yes
Arduino Platform and C Programming	NA	16/02/2019	30	Yes	Yes
Python for Data Science	NA	22/10/2019	30	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	Engineering	01/06/2019
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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	01/07/2019
BTech	Mechanical Engineering	01/07/2019
BTech	Electronics and Communication Engineering	01/07/2019

BTech	Computer Science Engineering	01/07/2019

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

	Certificate	Diploma Course
Number of Students	1223	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
Fundamentals of programming C	01/07/2019	134
Aptitude	01/06/2019	134
Recruitment Essentials	01/07/2019	134
ASSET Development Program	01/07/2019	220
CAMPUS RECRUITMENT TRAINING	01/07/2019	250
Entrepreneur Development Program	01/07/2019	35
Gate coaching	01/07/2019	55
Market awareness and Interview Skills training	01/07/2019	250
Quadbike Design and Fabrication	01/07/2019	40
E-CAD	01/07/2019	30
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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	Electrical and Electronics Engineering	36
BTech	Mechanical Engineering	54
BTech	Electronics and Communication Engineering	41
BTech	Computer Science Engineering	16
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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 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 the entire 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 Engineering	120	130	120
BTech	Electronics and Communication Enigineering	120	90	84
BTech	Mechanical Engineering	60	30	30
BTech	Electrical and Electronics Engineering	60	27	27
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1268	0	102	0	102

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
102	102	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 names, 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 Timetable 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
1268	102	1:12

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
102	102	0	10	16

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
2019	Dr. K. Kavitha	Associate Professor	Best Paper Award

| 2019 | Dr. Pushpender S | Professor | RACE-2019 Bangkok Award for Best Educators |
| 2019 | Shakti Ganesh M | Professor | Best Research Young Scientist |

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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	04/05/2020	04/07/2020
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	2nd, 3rd 4th Year 1st Semester	02/12/2019	14/12/2019
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	1st Year 2nd Semester	29/05/2020	04/07/2020
BTech	A05-CSE, A04-ECE, A02, EEE, A03-MEC	1st Year 1st Semester	30/12/2019	11/01/2021

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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 instil 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 addon 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/Start-up.

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 16weeks 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/pdf/ece/pedagogy.pdf

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 - MECH	BTech	B.TECH-MECHANICAL ENGINEERING	116	82	70.68
A02- EEE	BTech	B.TECH-ELECTRICAL AND	43	25	58.13

		ELECTRONICS ENGINEERING			
A04 - ECE	BTech	B.TECH-ELECTRONICS AND COMMUNICATION ENGINEERING	95	47	49.47
A05 - CSE	BTech	B.TECH-COMPUTER SCIENCE ENGINEERING	98	88	89.79
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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/iqac/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
Projects sponsored by the University	365	Jawaharlal Technological University, Hyderabad	299000	299000
Major Projects	365	DST	1750000	550000
Major Projects	365	DST	2280000	610000
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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
Work shop on "REVIT MEP	Mechanical Engineering	26/10/2019
EPICS Design thinking poster competition	Xplore	29/11/2020
Ethical Hacking workshop	Computer Science Engineering	02/01/2020
Hack your path	Computer Science Engineering	16/11/2020
Cyber Jagruthi program	Computer Science Engineering	09/11/2020
Workshop on Surface modelling and sheet metal in PTC CREO 5.0	Mechanical Engineering	04/10/2020

Multidisciplinary hackathon: Think, build and win	Computer Science Engineering	04/11/2020
Machine Learning with Python	Computer Science Engineering	29/08/2020
Cypher hours Vol.9	Computer Science Engineering	17/08/2020
Quad Bike design workshop	Mechanical Engineering	02/08/2019
Go Kart Design workshop	Mechanical Engineering	30/07/2019
Artificial Intelligence and Machine Learning in collaboration with Benette University	Computer Science Engineering	06/07/2019
Innovation Project Expo	Institutional Activity	15/04/2019
Two day workshop on electrical design	Electronics Communication Engineering	18/09/2019
A webinar on "Applied IoT"	Electronics and Communication Engineering	26/06/2020
1 month internship program on Innovations in IoT	Electronics and Communication Engineering	20/05/2020
24 hours Hackathon on IoT	Electronics and Communication Engineering	18/01/2019
Student Solar Ambassador workshop	Mechanical Engineering	02/10/2019
One week FDP with hands on session on Design and analysis of composite materials using AUTODESK HELIUS COMPOSITE Software	Mechanical Engineering	26/06/2020
FDP on "Advancements in Science and its applications in Engineering	Humanities and Sciences	26/06/2020
One Day Online webinar conducted on "Industrial Automation Job Opportunities in Power Sector"	Electrical and Electronics Engineering	26/06/2020
One Day Technical Webinar on "3D Printing in Biomedical Field for Ongoing Pandemic Situation"	Mechanical Engineering	20/05/2020
Workshop on Advanced modelling and simulation	Mechanical Engineering	06/03/2020
3 Days workshop Industrial automation with PLC	Electrical and Electronics Engineering	02/02/2020
One Day Technical seminar	Electrical and	11/01/2020

conducted on "Importance of PLC in Automation"	Electronics Engineering	
Leveraging technology for a better tomorrow	IEEE student Chapter	01/10/2019
Workshop on writing effective research proposals and outcomes based education	RD Department	26/10/2020
Quad champ workshop	Mechanical Engineering	20/09/2019
Oracle database programming with SQL	Computer Science Engineering	08/04/2019
Awareness Session on patent filing	RD Department	10/12/2019
Session on converting idea into patent	RD Department	17/05/2019
Generate Your Business Idea	EDC Cell	13/02/2020
Institutional Support Systems to Pursue Entrepreneurship and Procedural Guidance	EDC Cell	02/02/2020
Managing Your Business	EDC Cell	03/02/2020
Manage Improve Your Business: Expansion, Modernization Diversification	EDC Cell	17/03/2020

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
P-MATERIAL:WAST PLASTIC CONVERT INTO A PIPE,TILES AND OTHER MATERIALS	Patent Published	Government of India	21/06/2019	Recognition
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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	Hyderabad Institute of Technology and Management	Knack Minds	Knack Minds supplies wide variety of products and materials that are helpful in doing Academic projects	31/07/2019

Startup	Delighto	Hyderabad Institute of Technology and Management	Delighto	Private	07/08/2020
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5	6	10

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

Name of the Department	Number of PhD's Awarded
Humanities Sciences	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)
National	ECE	43	2
International	CSE	16	1.8
International	EEE	21	1.72
International	MECH	14	1.72
International	HS	3	1.7
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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
Mechanical Engineering	9
Computer Science Engineering	6
Electrical and Electronics Engineering	0
Electronics and Communication Engineering	7
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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
Tribological properties of Cissus quandrangularis stem fiber	Santosh Madeva Naik	Science Direct – Materials Today: Proceedings	2020	2	Hyderabad Institute of Technology and Management	0

reinforced isophthalic polyester composites						
Machine Learning and Deep Learning Techniques on Wireless Networks	Dr. Pushpender Sarao	International Journal of Engineering Research and Technology. ISSN 0974-3154, Volume 12, Number 3	2019	4	Hyderabad Institute of Technology and Management	7

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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
Machine Learning and Deep Learning Techniques on Wireless Networks	Dr. Pushpender Sarao	International Journal of Engineering Research and Technology	2019	4	3	Hyderabad Institute of Technology and Management
Impact of Project Based Learning Methodology in Engineering	Santosh Madeva Naik	Science Direct	2020	2	6	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
Presented papers	20	0	0	0
Resource persons	1	1	0	1
Attended/Seminars/Workshops	51	16	0	6

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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/	Number of teachers	Number of students

	collaborating agency	participated in such activities	participated in such activities
One student one tree, An Initiative by AICTE	NSS	50	500
Benches distribution in kanukunta government school	For A Cause	2	24
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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
Active UBA activities	UBA coffee book status	Unnath Bharat Abhiyan	125
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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 activites	Number of students participated in such activites
Non-Government	NSS	Awareness program to neighbourhood on No Plastic	5	50
Non-Government	NSS	Beat air pollution on Environment day	2	15
NGO	Arutla Foundation	Seminar on Gender Equity and Women Empowerment	20	0
NGO	Arutla Foundation	Awareness session on Women Enterpreneurs	30	0
NGO	Arutla Foundation	Awareness session on Women Literacy	25	0
NGO	Arutla Foundation	Awareness session on Cognitive skill development of Rural women	25	0
Non-Government	NSS	Session on Nutrition and Immunity by Dietician	35	0
Non-	NSS	Cognitive	35	0

Government		behaviour therapy			
Non-Government	NSS	Conversational programming by Milton model(3 sessions)		40	0

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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
Research Course work	Mrs. Ila Chandana Kumari	Institution	15
Research Course work	Mrs. K Bindu Madhavi	Institution	15
On job training on Raspberry Pie	Mr. Vinod Ahuja	Institution	30
On job training	Mr. SV Satyanarayana	Institution	90
On job training on Aurdino	Mr. Vinod Ahuja	Institution	30

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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
Gain New Skills	Field Trip	ELEGANT EMBEDDED SOLUTIONS PVT LTD, Oppisite Bank of india, Flat no:202,Ramchandra Nivas,Near SR nagar Metro station, Vengal Rao Nagar Rd, Hyderabad, Telangana 500038 Phone: 099857 84341	30/06/2019	30/07/2019	Students

Imparting Technical Skills	Project	Visakhapatnam Steel Plant, Visakhapatnam, Andhra Pradesh 530031 Phone: 089125 18426	15/05/2019	15/07/2019	Students
Imparting Technical Skills	Internships	NSIC Technical Services Centre, Near Radhika Movieplex, Electronic Complex, Kamalanagar, Kushaiguda, Hyderabad, Telangana 500062 Phone: 040 2712 4597	15/05/2019	31/05/2019	Students
Imparting Technical Skills	Field trip	Powertech transformers, Balanagar, Hyderabad contact:099633 33752	10/12/2019	10/12/2019	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 auto motive engineering(FMAE)	11/05/2019	Training on Designing and manufacturing on quad bike, Internships	45
Neelima Hospitals private limited	01/06/2019	Medical treatment facility for faculty, staff and students	5
Embedded Elegant Solutions	19/11/2019	Internships, workshops, tCertification and Training programs	150
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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
31620000	29707773

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Newly Added
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
ERP Library tool	Fully	4	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	34453	10247718	1876	1406292	36329	11654010
Reference Books	4664	1400353	85	59418	4749	1459771
e-Books	462	0	2	0	464	0
Journals	24	187340	28	73853	52	261193
e-Journals	400	13570	0	0	400	13570
CD & Video	1813	0	0	0	1813	0
Others(specify)	294	0	3	550	297	550
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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 Sandeep	Probability and Statistics Complex Variables	Moodle/HITAM ERP	01/07/2019
Dr.J.Shiva Kumar	Mechanics of Solids	Moodle/HITAM ERP	01/07/2019
SV Sathyanarayana	Power System Operation and control	Moodle/HITAM ERP	01/07/2019
Vinod Kumar Ahuja	Internet of Things	Moodle/HITAM ERP	01/07/2019
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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	380	10	100	0	0	1	5	100	0
Added	100	2	200	1	1	0	0	200	0
Total	480	12	300	1	1	1	5	300	0

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

300 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/UCxi83tJmniFcBQxdabZB5GA

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
105	102.11	290	281.4

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

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	Scholarship	215	4589400
Financial Support from Other Sources			
a) National	NA	Nill	Nill
b)International	NA	Nill	Nill
[View File]()			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

Career Counseling	18/01/2020	1259	Ms. MAIVEEZ CHARANIYA - 9923210382
Guidance for competitive examinations	23/12/2019	1259	DR K SANDEEP KUMAR - 9963116119 , Mr. PRAVEEN KUMAR CHUNDRU - 6301060751 , Mr. Murali Krishna -8978862383 , Focus Academy for Career Enhancement - Coimbatore .Tel: 91 422 4506071
Yoga and Meditation	05/10/2019	283	Dattatreya Yoga Teacher
Personal Counseling	04/04/2020	1259	Mentors
Bridge courses	02/09/2019	283	HS Faculty
Language lab	04/11/2019	369	English faculty
Remedial coaching	01/06/2020	126	Subject Experts from HITAM
Soft skill development	12/02/2020	1259	Focus Academy for Career Enhancement - Coimbatore .Tel: 91 422 4506071, Mr. Joy - 09533299050

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
Nill	Career guidance	611	611	611	611

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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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations	Number of students	Number of stduents placed	Nameof organizations	Number of students	Number of stduents placed

visited	participated			visited	participated	
ACS Solutions	5	2	Accenture	22	3

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	14	B Tech	ECE	UMSL Graduate School	MS
2020	14	B Tech	CSE	Conestoga College	MS

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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
GATE	1
GRE	1
Any Other	22

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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 Basket ball competition for women	State	15

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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	2nd Position	National	1	1	17E51A0538	E S Srija
2019	2nd position	National	1	1	17E51A0503	Akansha

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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:

912

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

300000

5.4.4 – Meetings/activities organized by Alumni Association :

August 15th 2019 January 26th 2020

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

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
Industry Interaction / Collaboration	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
Industry Interaction / Collaboration	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 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.
	Admission of Students	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
	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. 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. 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. 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 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

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

E-governace 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/EDMODO

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	M. H BINDU REDDY	IUCEE International Engineering Educator Certification Program Phase 2	NA	7000
2019	PEDDA SURESH OGETI	IUCEE International Engineering Educator Certification Program Phase 2	NA	7000
2019	Hema Mahajan	IUCEE International Engineering Educator Certification Program Phase 2	NA	7000
2019	Dr. Arvind S	IUCEE workshop, Goa	NA	18000
2019	K Bindu Madhavi	NA	IEEE Membership	8000
2019	B Surender Reddy	NA	IETE Life Time Membership	6000
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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	FDP on	NA			50	1

| Machine Learning using Python | | 06/07/2019 | 10/07/2019 | | |

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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
Refresher Course on Advances in Thermal Enginee ring,JNTUH	1	18/11/2019	30/11/2019	12

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
102	102	33	33

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Work from home for women Maternity Leave Free transport for staff Sponsorship for higher education Training and Study leave Special leaves Work norm flexibility Loans and advances Incentives for RD NPTEL Reimbursement Financial assistance for FDP/Certifications Covid welfare scheme Group Health Insurance	Work from home for women Maternity Leave Free transport for staff Sponsorship for higher education Training and Study leave Special leaves Work norm flexibility Loans and advances Incentives for RD NPTEL Reimbursement Financial assistance for FDP/Certifications Covid welfare scheme Group Health Insurance	Freeships for Meritorius Scholarships for sports category students Reimbursement of Research Activities Financial support for Hardware Procurement for EPICS projects TA/DA for conference presentations Scholarships for sports category students Scholarships for Physically challenged students-

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
Supriya P Prasad	400000	Xplore student community projects
[View File](#)		

6.4.3 – Total corpus fund generated

4128802

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	MGIT, Hyderabad JNTUH, Hyderabad	Yes	Academic Committee, HITAM
Administrative	Yes	MGIT, Hyderabad JNTUH, Hyderabad	Yes	Admin Committee, HITAM

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

1) PTM twice in an year 2) Communicating Mid marks to the Parents 3) Mentors updating the activities of the student

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

1) Psychological sessions for Mental Health 2) Faculty trainings on Teaching

methodologies by IUCEE foreign body

6.5.4 – Post Accreditation initiative(s) (mention at least three)
1) Review of policies 2) Quality Audits 3) RD improvement (Outcome: ARIIA Ranking in Band B)

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Review of Institutional Strategic Objectives	03/07/2019	03/07/2019	03/07/2019	7
[View File](#)					

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
COSPLAY	06/06/2019	06/06/2019	20	50
International youth day	12/08/2019	12/08/2019	15	18
Lets Zumba	17/08/2019	17/08/2019	25	10
Shenanigans by Penlighten	18/08/2019	18/08/2019	10	10
5K run 2019	31/08/2019	31/08/2019	25	42
Interclass sports fest	27/08/2019	28/08/2019	15	25
Sangram intercollege sports fest	18/03/2020	19/03/2020	25	50
Lecture on work life balance	20/12/2019	20/12/2019	10	12
Practical sessions on yoga for gender equity	01/07/2019	31/03/2020	20	30
International womens day	08/03/2020	08/03/2020	30	18

| Gala night 3.0 | 07/02/2020 | 07/02/2020 | 22 | 45 |

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
Solar energy Yes Wind energy Yes Use of LED bulbs/ power efficient equipment Yes Renewable energy generated and used 2190kWh Energy supplied to the grid Nil

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	300
Provision for lift	Yes	200
Ramp/Rails	Yes	500
Braille Software/facilities	Yes	0
Rest Rooms	Yes	1200
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	5

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	4	4	15/08/2019	4	Unnath Bharath Abhiyan- Grama Sabha	Technological projects development for community	50
2020	4	4	26/01/2020	4	Unnath Bharath Abhiyan- Grama Sabha	Technological projects development for community	40
2019	4	1	10/07/2019	1	Plastic free village	For 1 Kg of Plastic, 1 cloth bag was distributed	15

2020	4	1	30/08/2019	1	Tree plantation in Gowdavelli village	Awareness on tree plantation	25

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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)
Human Values	29/08/2019	• To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of all human beings. • To facilitate the development of a Holistic perspective among stake holders towards life, profession and happiness, based on a correct understanding of the Human reality and the rest of Existence. Such a holistic perspective forms the basis of Value based living in a natural way. • To highlight plausible implications of such a Holistic understanding in terms of ethical human conduct, trustful and mutually satisfying human behavior and mutually enriching interaction with Nature.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic day	26/01/2020	26/01/2020	450
Martyrs Day	30/01/2020	30/01/2020	120
Independence Day	15/08/2020	15/08/2020	320
Solar ambasiddor workshop on account of Gandhijayanthi	02/10/2020	02/10/2020	200
National Education day	19/11/2020	19/11/2020	250
Weekly meeting of AICTE NCCP convenors title ERO SCRO weekly meeting for promotion of	29/08/2019	28/05/2020	10

human values			
Online awareness session on Universal Human Values by Prof. Pradeep Ramancharla, IIIT Hyderabad	16/05/2020	16/05/2020	95

No file uploaded.

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

Restricted entry of automobiles Yes Battery-powered vehicles Yes Pedestrian-friendly pathways Yes Ban on the use of Plastics Yes Landscaping with trees and plants Yes

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 implementing in the institution since many years. Faculty to become expertise 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. Sohum 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 Scholor 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 boarders (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

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/eep.html

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

DISTINCTIVE PRACTICE - STUDENT SKILL DEVELOPMENT CENTRE (SSDC) • Title of the Practice: Student Skill Development Centre 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/ssdc.html

8.Future Plans of Actions for Next Academic Year

• Introduction of Programs on Emerging Technologies Opportunities in the areas of Artificial Intelligence, Machine Learning, Cyber Security, Data Science and Internet of Things have increased for engineering graduates. Students are currently learning the technologies beyond curriculum. As AICTE is allowing to introduce B.Tech programs in the areas of emerging technologies, HITAM plans to apply for approval of B.Tech in CSE (AIML, Data Science, Cyber Security IoT). • Scaling and Strengthening Centers of Excellence The SSDCs which proved in facilitating students in doing projects beyond curriculum would be supported by promoting themselves as centers of excellence. SSDC – ECE is planned to become center of excellence in IoT. Robotics Center of Excellence is planned to teach students to design robots and participate in competitions. • Autonomous Status – Pre and Post Application Preparations for submitting application for autonomous status as soon as the NAAC accreditation result is announced. Fulfilling all the eligible criteria for autonomous status and UGC visit is planned. Course structure, regulation guidelines and possible additions in the course content under autonomous syllabus is going to be proposed readily for review. • Tie ups for Curriculum Development In line with the vision of the institution, it is planned to have tie ups for curriculum development with the specialists in the respective areas. This includes mentors from reputed academic institutions and institutional level collaborations for offering minors in specific disciplines. The curriculum is aimed to prepare students acquire skills become confident about their careers and contribute to society. • Development of Infrastructure New block has been planned to build in view of increased requirements for new

programs and to run autonomous institution. The laboratories are planned to upgrade to meet the autonomous requirements. Common facilities are planned to enhance to cater the new intake for the academic year 2020-21. New hostel for boys and girls is planned to construct with a capacity of 300 in which 200 for girls and 100 for boys. • Talent Acquisition Faculty recruitment is planned in such a way that the students are supported in the emerging technologies. Initiatives on faculty development and empowerment will be continued. Faculty with experience in autonomous colleges will be given preference for recruitment. • Industry Collaborations HITAM believes in the philosophy of "Doing" Engineering instead of just studying it. "Doing" Engineering involves experiential project-based learning. The culture of student centric learning, working on projects beyond curriculum exists in the current practices and initiatives at HITAM. The same is going to be made more exciting by adding industry collaborations to the centers and institution. An IBM partnership is proposed to offer various courses on emerging technologies. The partnership has two components. One allows students to take a set of courses which constitutes to get a partnered certificate by IBM and the other option is to take individual courses. Apart from IBM, it is planned to continue the existing MoUs and increase the opportunities to the students in terms of projects, internships and placements.