Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**HI-TECH INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr.Sidhharth K Undirwade**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**240-2553496**
Mobile no.	**7773940032**
Registered Email	**principal@hitechengg.edu.in**
Alternate Email	**iqac@hitechengg.edu.in**
Address	**P-119, Bajajnagar, MIDC waluj, Aurangabad**
City/Town	**Aurangabad**
State/UT	**Maharashtra**
Pincode	**431136**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Prof. Kakasaheb S. Jadhav**
Phone no/Alternate Phone no.	**02402553495**
Mobile no.	**9923009939**
Registered Email	**hodextc@hitechengg.edu.in**
Alternate Email	**iqac@hitechengg.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://hitechengg.edu.in/aqar.html

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://hitechengg.edu.in/aqar.html

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**C**	**1.85**	**2018**	**30-Nov-2018**	**29-Nov-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**20-Jul-2018**

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
Regular Meeting of IQAC	**30-Jul-2018** **1**	**11**

Regular Meeting of IQAC	24-Sep-2018 1	11
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
NIL	NIL	NIL	2019 0	0
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Established IIC (Institution Innovation Council) as per the norms of innovation cell, Ministry of HRD, GOI

Encouraging Students for field project to understand and to gain the knowledge of new concepts.

Career oriented technical training programs for students to improve their technical acquaintance

Interaction with class representatives and class coordinators of each and every department for maintaining and sustaining quality education as directed by IQAC.

Uploaded the data of AISHE

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
Industry Academia interaction leading to gain in knowledge of students, latest technological advancements in Mechanical Engineering	Through Expert talk, seminars conducted students were able to get familiar with technological updates
Inculcating a sense of social responsibility within students	Through various program implementation of blood donation, tree plantation etc
To Implement Teacher-Guardian scheme	Doubts, personal counseling, parents meeting
Induction Prorgamme	Socializing, Associating ,Governing and Experiencing of participated students.
Industry institute interaction to be enhanced	The activities related to industry-institute interaction are taken in the institute
Internantional Journals should be increased in the library	the joyurnals are purchased
To organize technical training/workshops program for students	Organized short term training program on ETABS by Civil Engg. Department
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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 ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	06-Jun-2019
17. Does the Institution have Management Information System ?	No

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

Academic calendar of college is prepared in accordance with the university academic calendar well in advance before the commencement of the actual term. Subject allotment is made during the university examination period, before the staff members proceed on vacations, with a view that the faculty should get enough time for the preparation of subjects to be taught in the next semester. The subject is allocated to faculty by his/her choice in the departmental meeting. All this procedure is done before the end of university end-semester examinations. The Lab Manuals are prepared by the concerned Lab In-Charge and kept in record for future references. The entire process of curriculum delivery can be summarised in the following the stages. Stage 1: Preparation Course files are prepared by faculty members which includes 1.Teaching plan 2.Lesson plan 3.Laboratory manual 4.Preparation of Time table as per curriculum guidelines 5.Last year university question paper duly solved by the faculty member concerned Stage 2: Monitoring Attendance and student performance in Unit Tests is notified. Class-Teachers are appointed for each class who monitor whether the classes are engaged as per schedule, and also record the number of students present during each lecture. Teacher-guardians are appointed for each class for the development of academic performance of students. The head of the institute holds meetings with heads of the department at regular intervals to review the academic progress of each class, and to take corrective actions as necessary. Syllabus-completion review is taken at the end of every month for timely completion of syllabus with effective quality. The monthly status of attendance is conveyed to every student and the defaulter's attendance is posted to the parents. Weak students are identified and personal attention is kept on them. Library remains open on 24 X 7 basis during the examination period. Stage 3: Analysis of Performance There are two unit tests conducted during each semester for evaluating the performance of students. After the completion of syllabus, a prelim exam is conducted to evaluate the overall performance of the student at the end of the semester. The analysis of student feedback is made for overall performance evaluation of the staff. Analysis of results is done by the Principal, Dean, HODs and corrective measures, if required are taken and conveyed to the faculty concerned.

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
Short Term training Program on ETABS	NIL	28/10/2018	4	Employablity and Entrprenureship	Structural Design and Analysis

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Civil Engineering	16/07/2018
BTech	Computer Science Engineering	16/07/2018
BTech	Mechanical Engineering	16/07/2018
View File		

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	Programme Specialization	Date of implementation of

CBCS		CBCS/Elective Course System
BE	Computer Science Engineering	16/07/2018
BE	Civil Engineering	16/07/2018
BE	Mechanical Emgineering	16/07/2018

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

	Certificate	Diploma Course
Number of Students	28	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
Short Training Program on ETABS	28/10/2018	28
Awareness workshop about Airpollution and MPCB star rating program	05/02/2019	75
Expert Talk on Scope of Civil Engineering in MPSC 2019	25/02/2019	50
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	5
BE	First Year Engineering	19
BE	Civil Engineering	3
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	No
Employers	No
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The feedback on the curriculum/syllabus was recorded periodically. The Curriculum investigation incorporates the data about planning syllabus, overall experience about the program. Development of curriculum for different programs begins with evaluation of the existing curriculum in the light of the needs of the students.

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	Mechanical Engineering	60	3	3
BTech	Computer Science Engineering	60	4	4
BTech	Civil Engineering	60	6	6

View File

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	331	0	39	0	39

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
40	25	11	4	0	6

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)

A teacher-guardian is assigned who acts as a mentor for a group of students drawn from each class. The teacher-guardian provides information on education objectives, mission and vision of the department and college to students. They also help students in solving their personal as well as academic problems, provide information to parents about their wards through SMS, telephonic talk and letters. The guardian also retains the personal file of the student and keeps record of all discussion with the parents and teacher guardian meets.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
331	39	1:8

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
41	29	12	0	1

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	NIL	Professor	NIL
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	CS	III	24/12/2018	15/02/2019
BE	CS	IV	07/06/2019	07/08/2019
BE	CS	V	03/01/2019	11/03/2019
BE	CS	VI	21/06/2019	26/08/2019
BTech	24210	I	22/12/2018	05/02/2019
BTech	19110	I	22/12/2018	05/02/2019
BTech	61210	I	22/12/2018	05/02/2019
BTech	24210	II	31/05/2019	15/07/2019
View File				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Induction programmes are conducted for the First Year students as well as parents, and for the second year students where they are made aware about not only the university and institute evaluation procedures but also about the changes that can be anticipated as about to come. Institute also declares in advance the criteria for evaluation of term-work marks which includes attendance, timely submission and performance in Class Tests. Class Test / Continuous Internal Assessment (CIA) dates and End Semester examination starting dates are provided in the calendar of academic activities right at the beginning of the semester. The students are kept informed of all such activities through the Teacher guardian, through the Class Committee Meetings and by distributing circulars in the class rooms and displaying the same on Notice Boards. The complete evaluation procedure in the form of regulations of various programmes are printed in the academic calendar and distributed to all the students. The End Semester Exam results once declared are displayed, and student performance on them discussed. Feedback through appropriate channels is made to the affiliating university. Any change/amendments made in the regulations are conveyed to the students via the HoDs, and the Class Teacher, in the Class. The evaluation processes are also explained to the parents during the First-year Orientation program, and later on, through Parent-Teacher meetings. The information regarding evaluation process is also informed to different industries through placement cell. All the evaluation processes and policies are disseminated to staff and students. Students are evaluated continuously through class test, mid-term feedback and lab performance based on predefined intimated process and criteria. Teachers are evaluated on the basis of mid-term feedback and annual appraisal. The Institute has introduced a

system whereby even for class-tests, two candidate papers are prepared for each test of each course. The selection of the actual paper is done by the head of the institution on a random basis.

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

At the beginning of each academic year, the affiliating university gives guidelines about the dates of: • The end-date of the semester • Schedule of the In-Semester, End-Semester, and Online Examinations • Schedule of Oral, Practical Examinations • Vacation schedule • Commencement of the semester Before the start of the semester the Institute prepares plans for • Academic calendar • Student Activities calendar • Time Table • Teaching Plans • Lab Status and Lab-Readiness • Books Requirements • Class Teacher appointment • Evaluation of class test papers Any incidental changes to the academic calender are conveyed to the students and the staff well in advance. Further, the Institutes academic calender itself is designed with sufficient leeway or buffer to accomodate minor unforeseen changes to be made to the academic calender.

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://hitechengg.edu.in/agar.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
CE	BE	Civil Engineering	31	14	45
MED	BE	Mechanical Engineering	33	31	95
CSE	BE	Computer Engineering	28	28	100
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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://hitechengg.edu.in/agar.html

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
Industry sponsored Projects	180	Suman Enterprises C-41MIDC waluj Aurangabad	0	0

Industry sponsored Projects	180	DNR INDIA.Autotech Pvt.LTd	0	0
Industry sponsored Projects	180	Mahindra Vehicle Manufacturer Ltd A-1 Phase-IV Chakan MIDC	0	0
Industry sponsored Projects	180	ISMT Limited C-1 MIDC Ahmednagar	0	0
Industry sponsored Projects	180	Vaibhav agency, Rajangaon	0	0

[View File](#)

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
Auto-Cad Induction Programme	Mecahnical	24/09/2019
Opportunities in overseas education	Mecahnical	01/10/2018
Quality control and Quality measurements	Mecahnical	26/07/2018
Scope of Civil Engineering in MPSC	Civil Engineering	25/02/2019
Softwares of Civil Engineering	Civil Engineering	26/02/2019
Web Development	Computer Science Engineering	14/01/2019
STTP on ETABS	Civil Engineering	28/10/2018

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
NIL	NIL	NIL	01/01/2018	NIL

[View File](#)

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
NIL	NIL	NIL	NIL	NIL	01/01/2018

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
nil	0

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)
International	Mechanical Engineering	2	0

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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
nil	0

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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
Study of Geo-polymer Concrete Made by Using Natural River Sand with Different Pozzolanic Material: A Review	Kalyani S. Kondekar	Journal of Construction Engineering, Technology and Management	2018	0	nil	0
Mechanical Properties of Aerated Concrete	Kalyani S. Kondekar	Journal of Construction Engineering, Technology and Management	2018	0	nil	0
Innovative Applications of Aerated Concrete—A Review	Kalyani S. Kondekar	Journal of Construction Engineering, Technology and Management	2018	0	nil	0
Mecahnical behavior of metal under the	Mr.Amol Adkine	Journal of Construction Engineering,	2018	0	nil	0

		Technology and Management				
Experimental study of heat transfer enhancement in tube in tube heat exchanger using corrugated tube and twisted tape	Mr.Janardhan K Bhor	International research journal of engineering and technology	2018	0	nil	0

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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
Experimental study of heat transfer enhancement in tube in tube heat exchanger using corrugated tube and twisted tape	Mr.Janardhan K Bhor	International research journal of engineering and technology	2018	0	0	nil
Mecahnical behavior of metal under the hydrostatic pressure and low temperature	Mr.Amol Adkine	Science Direct	2018	0	0	nil
Innovative Applications of Aerated Concrete—A Review	Kalyani S. Kondekar	Journal of Construction Engineering, Technology and Management	2018	0	0	nil
Mechanical Properties of Aerated	Kalyani S. Kondekar	Journal of Construction Enginee	2018	0	0	nil

Concrete		ring, Technology and Management				
Study of Geo-polymer Concrete Made by Using Natural River Sand with Different Pozzolanic Material: A Review	Kalyani S. Kondekar	Journal of Construction Engineering, Technology and Management	2018	0	0	nil
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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	3	0	0	0
Presented papers	3	0	0	0
Resource persons	1	0	0	0
View File				

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
National Clean air Programme	Hi-Tech Institute of Technology Aurangabad	3	30
Women safety and empowerment	Hi-Tech Institute of Technology Aurangabad	20	94
Tree Plantantation Camp	Hi-Tech Institute of Technology Aurangabad	20	100
Phulama Attack Rally(Martyr salute Rally)	Hi-Tech Institute of Technology Aurangabad	5	57
Women Day celebration	Hi-Tech Institute of Technology Aurangabad	20	80
Blood Donation	NSS	5	47
Pollution awareness	Hi-Tech Institute	20	150

drive	of Technology Aurangabad		

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
NIL	NIL	NIL	0

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
Tribute to Soldiers	NSS Unit , Hi-Tech Institute of Technolohy	Pulwama Attack Ralley and blood donation	5	57
International Womens Day	Hi-Tech Institute of Technology Aurangabad	International Womens Day	20	80
Women Safety and Empowerment Workshop	Hi-Tech Institute of Technology Aurangabad	Women Safety and Empowerment Workshop	20	92
Tree Plantation	Hi-Tech Institute of Technology Aurangabad	Tree Plantation	20	100
Blood Donation Camp	Hi-Tech Institute of Technology Aurangabad	Blood Donation	5	47
Swachh Bharat Abhiyan	Hi-Tech Institute of Technology Aurangabad	Cleanliness Drive	10	62

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
NIL	0	NIL	0

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/	Duration From	Duration To	Participant

MoU	MoU	DNR INDIA AI-ITO TECH PVT. LTD.,	20/03/2019	31/12/2019	373
MoU	MoU	R.K. IT Solution,	15/02/2019	31/12/2019	373
MoU	MoU	Sara Electro mechanical Engineering	14/02/2019	31/12/2019	373
MoU	MoU	Mahapaivesh Environment Research Con sultancyPrivate Ltd,	14/02/2019	31/12/2019	373
MoU	MoU	ASHTAVINAYAK HOSPITAL AND RESEARCH CENTER	01/01/2018	29/01/2019	373
			[View File](#)		

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
DNR INDIA AI-ITO TECH PVT. LTD.,	20/03/2019	Skill training on Automobile Engineering	0
R.K. IT Solution,	15/02/2019	Skill training on software development sector	0
Sara Electromechanical Engineering	14/02/2018	skill training in specific sectors such as Mechanical Desrgl Sector	0
Mahapaivesh Environment Research ConsultancyPrivate Ltd,	14/02/2019	Skill Training in Environment Research Consultancy Private Sector	0
ASHTAVINAYAK HOSPITAL AND RESEARCH CENTER	01/01/2018	TO PROVIDE MEDICAL AND COUNSELLING FACLITIES TO STUDENTS AND STAFF	0
	[View File](#)		

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
29	28.78

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Classrooms with Wi-Fi OR LAN	Existing
Campus Area	Existing

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
DELNET (Delpuls)	Fully	2.0	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	21528	5779214	150	79920	21678	5859134
Reference Books	9220	2476806	26	28080	9246	2504886
Journals	18	31500	0	0	18	31500

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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
NIL	NIL	NIL	01/01/2018

View File

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	130	6	6	6	1	6	3	70	0
Added	0	0	0	0	0	0	0	0	0
Total	130	6	6	6	1	6	3	70	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)
70 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
NIL	[NIL](#)

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
8	**7.66**	**29**	**28.78**

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

The college ensures optimal allocation and utilization of the available financial recourses for maintenance and upkeep of different facilities by holding regular meetings of various committees. Laboratory- Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. The calibration, repairing and maintenance of sophisticated lab equipment are done by the technicians of related owner enterprises. Library- The requirement and list of books is taken from the concerned departments and HODs are involved in the process. The finalized list of required books is duly approved and signed by the Principal. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee. Sports: All the maintenance regarding sports is controlled by sports in charge. In their guidance accommodates are arranged. During the session 2019-2020 college student was selected for West Zone Inter University Cricket Tournament. Computers- Centralized computer laboratory established and separate funds are used to maintain computers in the college. Computer maintenance is done regularly and non-repairable systems are disposed off. Classrooms- At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and other. The college development fund is utilized for maintenance and minor repair of furniture and other electrical equipment. With the help of the four full time peons cleanliness of class rooms is maintained. They are well equipped with tools of cleaning. A complaint register is maintained in office in which faculty can register their problems which are resolved within a set time frame. Students are motivated for energy conservation by careful use of electricity in classrooms. There are technicians, carpenters deputed by management who ensure the maintenance of classrooms and related infrastructure.

http://hitechengg.edu.in/agar.html

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	NIL	0	0
Financial Support from Other Sources			
a) National	NIL	0	0
b)International	NIL	0	0

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
Remedial coaching for Second and Third Year Mechanical	01/09/2018	44	Hi-Tech Institute of Technology Aurangabad
Teacher Guardian Scheme Implementation	01/08/2018	200	Hi-Tech Institute of Technology Aurangabad
Language Lab	01/08/2018	19	Globarena Technologies Pvt.Ltd.
INTERNATIONAL YOGA DAY	21/06/2019	30	Hi-Tech Institute of Technology Aurangabad

View File

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GRE MS guidance Camp	28	26	0	0

View File

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
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	
G-Energy Firms	18	2		NIL	0	0

View File

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	0	NIL	NIL	NIL	NIL

View File

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

Items	Number of students selected/ qualifying
Civil Services	2

View File

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

Activity	Level	Number of Participants
CULTURAL PROGRAM	INSTITUTE	35

View File

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	NIL	National	0	0	00	NIL

View File

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

The institute has a Student Council which is constituted in accordance with the rules and regulations of Dr. BAMU, Aurangabad . Formation of Student Council: In the council, every class is represented by one class representative. The class representatives are selected afresh every academic year on the basis of their academic merit in the preceding year. The class representatives together elect the General Secretary and the other student office bearers of the Council. The Student Council has following members: Principal and one Faculty in-charge, plus students holding the following posts: General Secretary, Cultural Secretary, Sports Secretary, and Ladies' Representative. General Secretary conceives of, monitors and implements various activities in consultation with the other council members as well as the faculty of the Institute. The main events organized by the Student Council are: (i) Annual Social Gathering, (ii) Sports Competitions, (iii) Special Days Celebrations, (iv) Technical Events, and (v) Social Activities. The Annual Social Gathering itself comprises of a spectrum of events and competitions, especially those on the cultural side. A large number of students enthusiastically participate in various events such as quizzes and technical competitions, poster competitions,

personality contests (i.e. "Mr." and "Ms." HIT), debates and elocution competitions, games, etc. Students also produce music shows and stage their own one-act plays. Prizes for the top performers are distributed at the hands of eminent personalities invited as chief guests. Competitions were also held for indoor games and sports. We are committed to encouraging participation of students in the administrative activities of the Institute at appropriate levels because we believe that such measures help inculcate not only provides a platform for the students to voice their concerns and opinions, but more importantly, it also inculcates a sense of responsibility among them. Accordingly, apart from running the Student Council, Student Representatives are also appointed on various bodies of the Institute such as: (i) Anti-Ragging Committee, (ii) Committee for the prevention of harassment of women and the redressal of their problems, and (iii) National Service Scheme. In 1018—19, for instance, students organized a blood-donation camp in which more than 57 bottles were collected, and participated in activities such as the Swachh Bharat Abhiyan. They also assisted the local police in crowd- and traffic-management during the local cultural festivals such as the Ganapati and Navaratri festivals. In addition, Departmental Student Associations (such as MESA, CESA, etc.) is another major avenue through which students organize and participate in various events such as projects and paper competitions, industrial visits, seminars, organizing guest lectures, etc. These associations also maintain contact with the related professional societies.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

 No

5.4.2 – No. of enrolled Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

NIL

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The Institute is run by the parent trust "Bharatiya Gramin Punarrachana Sanstha" (i.e., Indian Rural Reformation Organization), Aurangabad. The Institute Vision and Mission Statements are exhibited in prominent places in all the buildings and also on the Web site. Over the years, these statements have come to harmonize different strategies and policies, and have guided the Institute on a path towards excellence. The statements are given below: The Institute Vision Statement: "To become a University-class institution by inculcating confidence in students with knowledge of advanced technologies of respective programs, so as to solve the problems of industry and society." The Institute Mission Statement: "To impart industry-oriented education based on practical and theoretical knowledge in the science and technical subjects To provide a platform for improving confidence, communication, leadership, and managerial skills To provide exposure and practical experience regarding advanced technologies from the respective fields To make students competent to

serve society, by exposing them to cultural, sports, NSS, etc. activities."
Local Governing Council: The parent trust has formed a Local Governing Council (LGC). It has for its members distinguished personalities coming from industry, academia, and also representatives from the teaching and non-teaching staff. This LGC formulates the broad quality policy for the Institute, and defines the roles and qualitative expectations being kept from the various constitutent units as well as personnel. The LGC is committed to protecting the rights of, and ensuring equitable treatment to, all the stakeholders: students, parents, potential employers of the students, the institute staff, and the society at large. The Council: provides sound strategic guidance to the management undertakes effective monitoring of the institute at a broad level acts as a bridge between the external and the internal stakeholders helps represent the interests of the Institute in front of various governmental agencies, the affiliating university, and academia in general The responsibilities of the LGC are:Reviewing guiding the Academic Strategy. Setting monitoring achievement of performance. The top management delivers on its commitment of mobilizing adequate financial resources in a timely manner. Adequate processes are followed on both the budgeting and expenditure sides, and statutory audits are conducted regularly. At HIT, smooth functioning is achieved by practicing the policy of Management by Objectives (MBO). The Institute has formulated Perspective Plans covering the following objectives: To start post-graduate programs To start a research and development center, especially involving advanced computational modeling and rural development To enahance the Institute-Industry Interaction to the next level, by increasing the number of MoUs To endeavor towards getting the status of an autonomous institute. The individual faculty member is the real owner of the implementation process, under the guidance and monitoring of the respective HoDs and the Principal. Open and informal feedback, not just from the top-tobottom but also from the bottom-to-top, is a way of life at HIT. Faculty-members are free to air their opinions concerning the current state of academia, and the stakeholders' expectations.

6.1.2 – Does the institution have a Management Information System (MIS)?
No

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	The institute forms an Admission Committee, which is responsible to collect registration details of newly admitted students and review the admission process. The Admission Committee collects the detailed information about the admitted students such as personal information, academic background, economic status, fees details, photo, and signature etc. and does the enrolment of the student using Enterprise Resource Planning (ERP) system. Roll number is allotted and I-card is issued to the student immediately through this system. To review the profile of the students, the database of all the students as per nationality, state, caste, percentage, marks at the Std. XII, Board and so on is maintained in ERP system.

Industry Interaction / Collaboration	One strategic advantage our Institute enjoys is that it is physically located in the middle of a major manufacturing hub of Aurangabad, viz., MIDC Waluj. By way of deployment of this strategy, we pursue several activities. We arrange guest lectures from industry experts on a regular basis. Resource persons from different sectors and from various industries are identified, and conscious efforts are made to remain in regular touch with them. Arrangements are made to provide In-Plant training to students, so that they can experience the atmosphere of the industry first-hand, and begin developing a sense of the specific challenges faced by the industry, and come to appreciate the kind of expectations which the industry keeps from young graduate engineers. Students of final year are provided with opportunities to work on live industry projects. This improves their design skills, team-work and work-management skills. The quantitative and qualitative improvement in student projects and placements have been a direct result of deployment of this strategy. The various aspects of the deployment are well documented.
Human Resource Management	Sabbatical leave for faculty members for their PhD work. On duty leave is provided to staff for college work. As per the AICTE university norms, faculty and staff recruitment procedure is followed
Library, ICT and Physical Infrastructure / Instrumentation	The library has adequate books, journals and other learning materials and technology-aided learning mechanisms which enable students to acquire information, knowledge and skills required for their study programs. To enhance academic rigor and promote culture of excellence, students are encouraged to access peer reviewed journals of repute viz. DELNET, e-journals and NPTEL video lectures. Library utilizes software system for day to day transaction. The institution has IT infrastructure updated for academic and administrative purposes. The staff and students have access to technology on current and relevant issues. The institute frequently upgrades its IT facility. ERP(Enterprise Resource Planning)

	software is available to students, parents and staff which helps to monitor and evaluation system. The institute has adequate infrastructure facilities for the growth of the institute in regards to academic development.The institution ensures that the infrastructure facilities meet the requirements of students with physical disabilities by providing ramps, lift and concrete roads.
Research and Development	The most important resource available to any organization is the human resource. Further, in the context of academia, the central activity---viz. teaching-learning process---is not conducted in isolation. Indeed, teaching is like a performing art. One certain way to improve the critical human resource---viz., the individual faculty member---is to involve him in research and development activities. Through RD activities, a teacher not only comes to acquire the specific technical knowledge of a specific target area. It also broadly improves his conceptual, abstraction and communication skills, which in turn help improve his performance as a teacher. The involvement of students in research activities also helps build informal bonds, and has a spill-over effect in enriching their education. It is with this broad understanding that an RD Cell has been established at the Institute. We have been able to attract young faculty members with research experience at IIT Kharagpur, IIT Bombay, COEP, and GECA, and involve them in RD activities. Thus, our strategies do not just remain on paper they are being actively deployed
Examination and Evaluation	Examination committee is formed to ensure smooth conduct of examinations. The institute is affiliated type of institute and strictly follows the university norms for evaluation. The Institute has framed an internal assessment policy to ensure rigor and transparency in the internal assessment The practical examination is conducted with internal and external examiners appointed by the University
Teaching and Learning	Innovative methods are adopted for teaching and learning process. College has in place a healthy feedback collection system - the Faculty

	Feedback System, wherein evaluation of teachers is done by taking inputs from the students twice in each semester. Remedial classes for students are arranged. Seminars, workshops, guest lectures, Industrial visits are organized on a regular basis. Teacher Guardian scheme is run by the college which is helpful to solved different problems of students. Institute has well-equipped library for both faculty and students
Curriculum Development	Since college is affiliated to Dr BAM University, Aurangabad, we follows syllabus designed by respective university. Faculty members are involved in course restructuring and revision committees constituted by Dr BAM University. Faculty members are active members of university appointed examination committee to frame questions papers and evaluation. All departmental HODs monitors overall academic activities for quality improvement.

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

E-governace area	Details
Planning and Development	To use ICT in the process of planning college-events and activities, institute uses personal e-mails and social media platform.Important notices and reports are also circulated via e-mails. E-governance is the integration of Information and Communication Technology in all the working processes of the system. It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective.
Administration	To achieve the target of Paperless IQAC , committee members of it started using Google facilities like Google sheet :- For data collection from Various Departments. Google Forms :- To prepare Feedback forms and get Online feedback of Students and to take online exams Google Drives :- To keep all department wise proofs. Google Classroom:- To share the academic data with students The college has Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras installed at various places of need. ICT has been introduced in the Administrative work College

	staff uses smartphone with inbuilt social app like Gmail to communicate. WhatsApp Group helps to provide the brief notices of any event to be happened on college. WhatsApp Groups are also used for awareness and of smooth functioning of the same.
Finance and Accounts	With the aim to produce immediate information in finance and Accounts i.e."Single Click Accounting" , this section of College is partially e-governed. The college uses the WordPro software ,Tally ERP 9.0 for the transparent functioning of Accounts department. The same software is used to generate various reports like Consolidated Day Book General Day Book Daily Cash Collection report.
Student Admission and Support	College has extended helping counter for the students which provides them several services as such Admission form Filling, Examination form filling as well as Scholarship Form filling at one place only.
Examination	The College has the separate Examination department with equipped ITC tools necessary for examination purpose. As per the requirement of Examination department all the necessary equipments are provided by the college such as Separate Desktop and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose. The examination department has the separate Machine for printing the question papers downloaded from university portal.

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	NIL	NIL	NIL	0
View File				

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	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

	organised for teaching staff	organised for non-teaching staff				
2018	NIL	NIL	01/01/2018	01/01/2018	0	0
				View File		

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
RED HAT CERTIFIED SYSTEM ADMINISTRATOR	1	08/11/2018	08/01/2019	60
FACULTY DEVELOPMENT PROGRAM	3	27/06/2019	29/06/2019	3
FACULTY DEVELOPMENT PROGRAM	3	23/05/2019	25/05/2019	3
View File

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	39	23	23

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
NIL	NIL	GOI, SBC, FREESHIP

6.4 – Financial Management and Resource Mobilization

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

The Institute carries out internal and external audit on a yearly basis. Thus, for example, the last external audit was performed in March 2017, by the Gaikwad Shah Co., Chartered Accountants. After the audit, a report is sent to the top management for review. Since proper processes are followed at the Institute, major objections have not been reported so far. For minor observations made by the auditors or for incorporating their suggestions for improvement in the processes, meetings are held in the presence of the principal and all departmental HODs and the administrative officer.

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
NIL	0	NIL
	View File	

6.4.3 – Total corpus fund generated

0	

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	LIC BATU, BAMU	Yes	IQAC
Administrative	Yes	LIC BATU, BAMU	Yes	Trust

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

There is no formal Parent-Teacher association. However, feedback from parents are collected , analyzed and used for further development. Parents meet is also organized by various departments.

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

NIL

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

This is the first time that we are going in for any accreditation, whether ISO, NAAC or NBA. As such, we have not so far constituted an Internal Quality Assurance Cell. The measures for ensuring quality thus are rather tightly integrated with the other procedures followed in the functioning of the Institute. The measures have not yet been organized into a separate cell, with the specific charge of sustaining and improving the levels of quality being given them. However, once our Institute gets accreditated, we plan to immediately establish an IQA Cell. The staff-members have been made aware of the broad nature, purpose, and methods of functioning of such a cell. This is the first time that we are going in for any accreditation, whether ISO, NAAC or NBA. As such, we have not so far constituted an Internal Quality Assurance Cell. The measures for ensuring quality thus are rather tightly integrated with the other procedures followed in the functioning of the Institute. The measures have not yet been organized into a separate cell, with the pecific charge of sustaining and improving the levels of quality being given them. However, once our Institute gets accreditated, we plan to immediately establish an IQA Cell. The staff-members have been made aware of the broad nature, purpose, and methods of functioning of such a cell. The documentation available at the NAAC site has been circulated to the staff members, and its points discussed.

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	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	NAAC ACCREDITATION	30/11/2018	30/11/2018	30/11/2018	331
2019	PARICIPATED IN AISHE	06/06/2018	15/07/2018	15/05/2019	331

2018	ESTABLISHEME NT OF IIC	21/11/2018	21/11/2018	21/11/2018	331
2018	Participated in NIRF	14/12/2018	14/12/2018	14/12/2018	331
2019	WOMEN SAFETY AND EMPOWERMENT	03/01/2019	03/01/2019	03/01/2019	114
2019	INTERNATIONA L WOMENSDAY	15/03/2019	15/03/2019	15/03/2019	100
2019	INTERNATIONA L YOGA DAY	21/06/2019	21/06/2019	21/06/2019	30

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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 safety and empowerment	09/01/2019	09/01/2019	52	42
International Women's Day	15/03/2019	15/03/2019	42	38

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
0

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	ntages	local community					
2019	1	1	27/02/2019	1	Swachha Bharat Abhiyan	Cleanliness	72
2019	1	1	22/04/2019	1	Tree Plantation	Tree Plantation	120
2018	1	1	07/07/2018	1	Blood Donation	Blood Donation	52
2019	2	2	20/02/2019	1	Tribute to Soldiers	RAlly and Blood Donation	57
2019	1	1	03/01/2019	1	Women safety and empowerment workshop	Gender Issue	114
2019	1	1	15/03/2019	1	International Womens Dasy	Gender Issue	100
				[View File](#)			

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
NIL	01/01/2018	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation	07/07/2018	07/07/2018	52
RAlly and Blood Donation	20/02/2019	20/02/2019	62
Tree Plantation	22/04/2019	22/04/2019	120
Cleanliness	27/02/2019	27/02/2019	72
Yoga Day	21/06/2019	21/06/2019	30
	[View File](#)		

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

Renewable energy measures such as use of solar panels, solar heaters, and biogas are promoted both in the institute and the hostels.
LED lights are installed in campus
Rain Water Harvesting is implemented with a strong desire of water conservation
Hazardous waste and E-waste are managed carefully.
Sewage Treatment Plant is established for recycling of the waste water, which is used for gardening.
Initiatives for carbon neutrality are taken by tree plantation drives, to keep the campus free from pollution.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices
Best Practice 1: Title: Industry-Institute Interaction Objectives: 1.To make students aware of the contemporary work culture in organizations, through direct first hand experience or interactions with industry personnel. 2.To help students acquire in-depth knowledge of industrial technologies 3.To develop an eco-system whereby high-cost equipment and other resources affordable only to industries becomes accessible by our students and staff. Context: With the advent of globalization and opening up of the Indian economy, competition faced by Indian industries has become stiff. For having their problems solved, they look for locally available but well trained engineering graduates. Similarly, local students need to be exposed to newer technologies, workplace practices and expectations. The Practice: • Organizing guest lectures and workshops with joint participation • Hiring faculty-members with prior industrial experience • Targeted efforts for industry-sponsored final-year projects and in-plant training • MoUs to bring the two sides operationally and strategically closer Evidence of Success • More than 50 of final-year projects in the Mechanical department are now industry-sponsored, a • percentage higher than other colleges. • Students have begun filing for patents. • A great many students doing sponsored projects also get placed in the same company. Problems Encountered and Resources Required: • The academic time-table and calendar for each individual student had to be adjusted so as to match the availability of his industrial supervisor. • A substantial gap exists between the professional work culture and the typical habits of students. The solution was to increase the involvement of the industry-experienced faculty members. Best Practice 2: Title: Development of Students from Weaker Sections Objectives: To take students from weaker background, and to turn them into engineers fit for the modern, globalized industry. Context: A large number of our students come from rural areas, and economically and socially backward family backgrounds. They are weak in both English and mathematics. They cannot express themselves well---in any language. The direct second-year students are admitted late into the course, and have inadequate preparation in mathematics. The Practice: • Our faculty members often come from a rural background, and take special efforts to bond with students. Essentially, our faculty-members act as confidence-builders. • We have a culture of informal discussions in faculty meetings on simple and creative ways to meet challenges like the above. Both the problems as well as tips get exchanged freely. • Remedial courses, repetition lectures, lectures in English complemented by explanations in Marathi, etc. are a routine practice here. • Faculty members take special efforts to help students write assignments and technical reports in English. Evidence of Success: • Every year we see raw rural youth get turned into engineers good enough to find placements in reputed industries, even MNCs. • Some students were only average till XII standard, but slowly turn into high-achievers, securing high marks in the university examinations. Others have filed for patents. Problems Encountered and Resources Required: • Practically speaking, adequate time is not always available for conducting these activities. We overcome it by giving enough flexibility in the time-tables to our faculty members. • Not all students respond well to our efforts.
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://hitechengg.edu.in/agar.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

Our institute vision is: To become a University-class institution by

inculcating confidence in students with knowledge of advanced technologies of respective programs, so as to solve the problems of industry and society. The location of Hi-tech Institute is in the heart of an industrial area, and away from the heart of the Aurangabad city. We enjoy certain unique advantages, arising out of our location. Our campus is physically situated right in the middle of a thriving industrial hub, viz., the Waluj MIDC Area. The manufacturing and RD facilities of many nationally and internationally renowned names are a stone's throw away from the Institute campus. Further, the members of our parent trust come from both kinds of backgrounds: industrialists and academicians. A very close interaction of the institute with the industry was, therefore, an easy possibility, and we have managed to exploit this opportunity to the hilt. We can easily manage fast and effective communications with various industries because they are so nearby. As a result, our Institute has managed to arrange for more than 70 industrial expert talks in the last 5 years. Our Mechanical Engineering Department has created a record of consistently having more than half of their final-year student projects sponsored by industries---a feat not achieved even by the top-ranking colleges in the state. Other departments too are following the suit and remain engaged in increasing their interaction with industry. Guidance from the top echelons of industrial experts and managers is actively sought, and attempts are made to incorporate their suggestions into the syllabi-revision process at the University. We now intend to take the same approach in building closer interactions also with research-based institutes like IITs and governmental organizations (e.g. DRDO, WALMI, etc.) Our parent trust has performed a great deal of work for water conservation, especially under the State governments Jalyukta Shivar (agricultural fields replete with water) scheme. We plan to obtain research funding for advanced computational hardware (e.g. cluster computers) so as to optimally select the locations of check-dams through simulations of groundwater seepage. The same hardware would also be put to use, in the Mechanical department, for CFD simulations involving metal casting and plastic injection moulding. Our recent faculty recruitments reflect this strategy.

Provide the weblink of the institution
http://hitechengg.edu.in/aqar.html

8.Future Plans of Actions for Next Academic Year

• To Organize various short term courses, value addition Programmes, workshops, seminars from experts under various Departments. • To organize Guest lectures on current Topics and Emerging Trends, so as to prepare our Students as Entrepreneurs and Professionals for the Global Market • To improve academic excellence by adopting effective teaching practices. • Motivate faculty and students to enhance research work. • Industry-institute interaction will be strengthening by arranging industrial visits, guest lectures by industry person and internships to the students.