Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**HIRASUGAR INSTITUTE OF TECHNOLOGY,NIDASOSHI**
Name of the head of the Institution	**Dr. S C Kamate**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08333278887**
Mobile no.	**9480849331**
Registered Email	**principal@hsit.ac.in**
Alternate Email	**kamateksk@rediffmail.com**
Address	**Taluka Hukkeri**
City/Town	**Nidasoshi**
State/UT	**Karnataka**
Pincode	**591236**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Shilpa Shrigiri**
Phone no/Alternate Phone no.	**08333278887**
Mobile no.	**9844168942**
Registered Email	**principal@hsit.ac.in**
Alternate Email	**shilpashrigiri.ece@hsit.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://hsit.ac.in/NAAC/AQAR-2018-19.pdf

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://www.hsit.ac.in/coe/COE-2018-19-BOTH.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.03**	**2019**	**08-Feb-2019**	**07-Feb-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**10-Mar-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

External Evaluation of Academic activities by Local Inquiry Committee of VTU 2018-19	07-Dec-2018 1	174
Accreditation of Institute by NAAC	18-Dec-2018 2	174
Accreditation of Four UG Programmes: CSE, EEE, ECE & ME by NBA	17-May-2019 3	163
2nd International Conference ICRISET - 2019	18-Jul-2019 2	208
FDP on Internet of Things & Its Real Time Applications in association with NIT, Warangal	28-Jan-2019 6	54
Techno-Vision-2019	23-Mar-2019 1	480
HSIT QUEST-2019	25-Mar-2019 1	497
HSIT Sambhrama - 2019	26-Mar-2019 1	478
Graduation Day - 2019	23-May-2019 1	314
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. V. G. Kasabegoudar, ECE Department	KFIST L1	VGST, Govt. of Karnataka	2018 730	2000000
Dr. B. M. Shrigiri, ME Depatment	KFIST L1	VGST, Govt. of Karnataka	2019 730	2000000
Prof. S. G. Gollagi, CSE Department	Faculty Development Proframme	VGST, Govt. of Karnataka	2019 4	200000
Dr. Shilpa Shrigiri, ECE Department	Entreprenuership Awareness Camp	EDII, Gujrat	2019 3	20000
Dr. B. V. Madiggond, EEE Department	National Energy Conservation Week	Karnataka Renewable Energy Development Limited	2019 2	50000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

Successful completion of accreditation of Institute by NAAC. Peer Team Visit held on 18th to 19th December 2018 and Institute is accredited at "A" Grade with CGPA of 3.03 valid from 08/02/2019 to 07/02/2024.

Successful completion of accreditation of 04 UG programmes of the Institute: CSE, EEE, ECE and ME by NBA. Expert team visit held on 17th to 19th May 2019 and All Programmes Accredited by NBA (CSE, ECE, EEE and ME) for the duration of 01/08/2019 to 30/06/2022.

Academic Audit by Internal and External experts for all the departments is conducted.

Conduction of Workshops and International Conference for staff members.

Collection of feedback on Curriculum, Teaching Learning and facilities, Feedback analysis and Preparation of Action taken report.

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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
Preparation of the COE (Calender of Events)	Effective communication of college activities to staff and students, well in advance. For better participation from staff and students in the college activities.

Conduction of Academic Audit by External and Internal Experts.	Maintaining transparency in Teaching Learning Process
Organizing Seminars, Workshops, Industrial Visits and Internships for students.	Enhanced Teaching Learning Process by participative cooperative learning.
Promoting staff for publication of papers in the reputed journals.	Total fifty six research articles have been published by faculty in Scopus/Peer Reviewed journal.
Conducting student satisfaction survey (SSS).	Clarity of directions for improvements.
Promoting faculty for research and to pursue Ph.D.	01 faculty awareded Ph.D in Mechanical Engineering Department.15 faculty have registered for Ph.D. 05 faculty got funding from varoius agencies.
Effective Communication.	Sending important notifications to all stakeholders of the college through SMS. Important notifications are also displayed at prominent locations of the college.
Organizing activities through NSS Unit.	100 students have registered as NSS volunteers. 35 activities of a wider area with increased number of students for carrying out the social services and complying with social responsibilities
Providing preplacement training.	92 students have been placed. Three preplacement training programs are conducted.
Promoting students for sports.	Six students are recognized as University blues in Yoga. Three teams have participated in intercollegiate and interuniversity sports competition.
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body of the Institute	04-Mar-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	18-Dec-2018
16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	**2020**
Date of Submission	**18-Jan-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)	**1. RoboVidya software is used to monitor the students attendance and performance in CIE. 2. Biometrics for time management and staff attendance. 3. Tally software is used for managing accounts of the institute. 4. In house developed software is used for feedback collection and analysis.**

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

Hirasugar Institute of Technology (HSIT) is affiliated to Visvesvaraya Technological University(VTU), Belagavi, Karnataka. All efforts are made to ensure effective curriculum delivery and well documentation of all plans and activities. Following are flow of activities to ensure effective curriculum delivery. • Normally odd semester commences in the first week of August and Even semester commences in the first week of February. • Academic activities are conducted in well spaced and ventilated class rooms with modern teaching equipments like LCD projectors for effective teaching-learning process. • At the end of every semester workload distribution for next semester is done based on expertise and choice of faculty. • In line with the University academic calendar the institute COE is prepared for every semester indicating the academic and other activities planned for the semester. • Before the commencement of the semester the Time-table of all departments is prepared and displayed at least one week in advance. • Teaching plans are prepared by all teachers in line with the Institute academic calendar. • Teachers prepare the subject notes according to curriculum specified by VTU. • The course plan of each subject is prepared by teachers which include syllabus, course outcomes, course perquisites, course delivery plan, Assignment questions and results of previous two semesters. Course plan will be provided to each student every semester. • Laboratory manuals are prepared for each laboratory. • Theory Internal Assessments (IA) are conducted in each semester centrally and department wise Laboratory IAs are conducted in line with the dates mentioned in the COE. • Student's performance in the Internal Assessment and percentage of attendance after every Internal assessment is communicated to parents through SMS. Counseling of poor performer students is done by respective subject teacher and also done at department level. • For slow learners remedial classes are conducted. • Industry persons and expert academicians are invited for special lectures/invited talks. • Feedback on teaching learning process is collected from students and analyzed for improvement. • Mentoring is done on regular basis and nearly 10-15 students are allocated for every teacher.

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
PCB Designing and testing	-	01/03/2019	3	Entrepreneurship	Skill development
CATIA and GD and T software tools	-	21/01/2019	15	Employability	Skill development
Practical Hands on Internet of Things	-	03/05/2019	2	Employability	Skill development
PLC programming and Industrial Automation	-	12/11/2018	2	Employability	Skill development
IOT workshop on Node MCU	-	22/02/2019	3	Employability/Entrepreneurship	Skill development
Artificial Intelligence and Machine Learning	-	07/09/2018	7	Employability	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Computer Science Engineering	01/08/2018
BE	Mechanical Engineering	01/08/2018
BE	Mechanical Engineering	01/08/2018
BE	Mechanical Engineering	01/08/2018
BE	Electrical & Electronics Engineering	01/08/2018
BE	Electrical & Electronics Engineering	01/08/2018
BE	Electrical & Electronics Engineering	01/08/2018
BE	Electronics & Communication Engineering	01/08/2018
BE	Electronics & Communication Engineering	01/08/2018
BE	Electronics & Communication Engineering	01/08/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the

affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science Engineering	01/08/2018
BE	Electronics & Communication Engineering	01/08/2018
BE	Electrical & Electronics Engineering	01/08/2018
BE	Mechanical Engineering	01/08/2018
ME	Thermal Engineering	01/08/2018

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

	Certificate	Diploma Course
Number of Students	316	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
Artificial Intelligence and Machine Learning	07/09/2018	72
CATIA and GD and T software tools	21/01/2019	27
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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	Computer Science Engineering	47
BE	Electrical & Electronics Engineering	47
BE	Electronics & Communication Engineering	45
BE	Mechanical Engineering	111
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
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
Feedback on curricular aspects is collected from stake holders particularly students, parents, alumni and teachers in very structured manner. The questionnaire were framed to get directive/qualitative input for the improvement. Student's feedback on teaching learning is collected twice in a semester. The questionnaires are framed mainly to assess the student's perception of quality of class room delivery and teachers participation in the process. The student's facilities survey is conducted at the end of each course to assess /gauge the Student's Satisfaction level about Teaching Learning Process other development aspects. The feedback so collected is analysed very thoroughly questionnaires wise and the inferences are drawn from the pai-charts / bar-charts used in the analysis. The data from feedback is consolidated and presented in HOD's meeting for discussion and arriving at reformation that is required to be implemented. The collective reformation/suggestions are presented to BOG/Management for implementation. The decision with regards to modification in the curriculum/syllabus is conveyed to university through respective BOS for consideration. Inter departmental electives/courses and projects are promoted among students for better variety of concepts, skills and application of knowledge for addressing social issues. Participative learning and co-operative learning culture is promoted for better understanding through mini-projects, debates and competitions.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Computer Science Engineering	276	231	181
BE	Electrical & Electronics Engineering	276	210	160
BE	Electronics & Communication Engineering	276	226	176
BE	Mechanical Engineering	552	406	356
ME	Thermal Engineering	36	12	8
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	873	8	67	0	3

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
70	70	36	22	1	36

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)

For effective mentoring and the welfare of the students, around 15 students are allotted to each faculty mentor. Mentors classify the allocated students into four categories according to their academic capabilities in terms of prerequisite ability, perception level, focus and comprehension. As per the requirements of each category, mentors will provide suggestions to the students to improve his/her academic performance. The college endeavors to look after the total personality development of students through extra classes, Co- Curricular and extra-curricular activities and counseling.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
881	70	1:13

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
65	70	0	0	10

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. M. S. Hanagadakar	Associate Professor	Reviewer of International Journal of Industrial Chemistry (IJIC)
2018	Dr. S. C. Kamate	Principal	Reviewer of Biomass and Bioenergy
2019	Dr. S. C. Kamate	Principal	Reviewer of Biomass and Bioenergy
2019	Dr. V. G. Kasabegoudar	Professor	Reviewer of IETE Journal of research
2019	Dr. K. M. Akkoli	Assistant Professor	Reviewer of Renewable Energy
2019	Prof. M. M Shivashimpi	Assistant Professor	Reviewer of Biofuels
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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
ME	Thermal Engineering	2	17/06/2019	26/09/2019
BE	Mechanical Engineering	2	17/06/2019	18/09/2019
BE	Electronics Communication Engineering	2	17/06/2019	18/09/2019
BE	Electrical Electronics Engineering	2	17/06/2019	18/09/2019
BE	Computer Science Engineering	2	17/06/2019	18/09/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Hirasugar Institute of Technology, Nidasoshi follows the guidelines of VTU, Belagavi for internal evaluation assessment procedure. For UG Programme, the institute conducts three internal assessment tests of 30 marks each per semester. The average marks of all three internal assessment Tests are considered as final CIE marks. For the PG program, the institute conducts three IA tests of 40 marks each per semester. After completion of the CIE tests, the faculty member evaluates the answer Scripts and distributes the same to the students for doubt classifications or re- Correction or discrepancy, if any. Then the HOD conducts a meeting with class teacher, mentor and Course Coordinator to discuss the students Performance and necessary action plan for further improvement. Accordingly, the slow learners will be counselled by the course coordinators. In addition to the IA Test, the students are asked to write assignments for each module. After evaluation, the students will be awarded the marks out of 10 marks for the assignments. Also, the institute conducts one lab internal test of 40 marks for UG Students. The Lab IA marks are divided in to 16 marks for written exam and 24 marks are allotted for day to day performance in the lab. All the parents are informed about the performance of CIE of their wards through SMS. The IA tests will be conducted the institute level and as per Calendar of Events (COE)

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

The Institution prepares calendar of events at the beginning of every semester by IQAC co-ordinator in consultation with HOI HODs in line with the University calendar of events. The COE includes Commencement of classes, CIE dates and some activities such as feedback analysis, Workshops/ expert talks, Mini-project/Main-project review meetings etc., University/Local holidays, dates of practical/ theory semester end examinations etc. Calendar of events is communicated to students and faculty members well in advance preferably one week before the commencement of semester. In addition, the important events will be communicated to students through Institute/Department notice boards and SMSs. For example internal assessments dates with detailed time table is

displayed at least a week before their commencement. Due to unavoidable circumstances such as election holiday, sudden declaration of holiday by University/Government, Local events etc., some of the scheduled events are postponed / preponed. In spite of these, the institute manages the events effectively and successfully.

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.hsit.ac.in

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
ME	ME	Thermal Engineering	6	5	83.33
BE	BE	Mechanical Engineering	112	110	98.21
BE	BE	Electronics Communication Engineering	55	55	100.00
BE	BE	Electrical Electronics Engineering	47	47	100.00
BE	BE	Computer Science Engineering	47	47	100.00
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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://hsit.ac.in/NAAC/C2/Analysis-Report-of-SSS.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
Major Projects	730	Vision Group on Science Technology (VGST),Govt. of Karnataka	40	20
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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
An invited talk on "Intellectual Property Rights-IPR"	Institute Level	07/01/2019

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
Fabrication of Low Cost High Composite Using Garment Waste for Indoor and Outdoor Apllications	42nd Series Student Project Programme (SPP) by KSCST Bengaluru	KSCST Bio-Energy Development Board, Bengaluru	27/07/2019	Best Project of the year
Effect of Injection Pressure and Injection Timing and EGR on the performance and emission of diesel engine operated with Tallow Oil Methyl Ester	42nd Series Student Project Programme (SPP) by KSCST Bengaluru	KSCST Bio-Energy Development Board, Bengaluru	27/07/2019	Best Project of the year
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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
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
3	2	5

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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	Computer Science Engineering	16	5.53
International	Electrical and	13	4.49

	Electronics Engineering		
International	Electronics and Communication Engineering	7	5.7
International	Mechanical Engineering	25	5.39

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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
Basic Sciences	3
Mechanical Engineering	7
Electronics and Communication Engineering	0
Electrical and Electronics Engineering	9
Computer Science 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
Heterogeneous composite for low and medium temperature thermal insulation: A review	K G Ambli	Energy and Buildings	2019	0	Hirasugar Institute of Technology, Nidasoshi	1
Assessment and Characterization of Agricultural Residues	K M Akkoli	Materials Today: Proceedings	2018	0	Hirasugar Institute of Technology, Nidasoshi	3
Combined effect of combustion chamber shapes and nozzle geometry on the performance and emission c	M M Shivashimpi	Energy	2018	0	Hirasugar Institute of Technology, Nidasoshi	12

Title of the Paper	Name of Author	Title of journal	Year of publication		Institutional affiliation as mentioned in the publication	
haracteristics of CI engine operated on Pongamia						
Combined Effect of Cylindrical Combustion Chamber Shape and Nozzle Geometry on the Performance and Emission Characteristics of a Compression Ignition Engine Operated on Pongamia	M M Shivashimpi	Mechanical Engineering for Sustainable Development: State-of-the-Art Research	2019	0	Hirasugar Institute of Technology, Nidasoshi	4
A Survey for Context-Awareness Based Issues in Pervasive Computing	S.G.Gollagi and A.A. Daptardar	International Journal of Current Engineering and Scientific Research	2018	0	Hirasugar Institute of Technology, Nidasoshi	3
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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
Multimodal Emotion Recognition using Facial Expressions, Body Gestures, Speech, and Text Modalities	Mahesh G Huddar, Sanjeev S Sannakki, Vijay S Rajpurohit	International Journal of Engineering and Advanced Technology (IJEAT)	2018	12	0	Hirasugar Institute of Technology, Nidasoshi
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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	13	41	13	0
Presented papers	29	1	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Juice for Perfect Health on 06/06/2019	Red Cross	70	65
International Yoga Day on 21/06/2019	Red Cross	43	54
Diabetes Awareness Program on 24/09/2019	Red Cross	53	87
Blood Donation Camp on 24/10/2019	Red Cross	8	45
Plantation of Tree on 22/11/2019	Red Cross	54	27
AIDS Awareness Program on 05/12/2019	Red Cross	27	104
Celebration of Dr. B.R Ambedkar Jayanti and Shramadhana on 14/04/2018	NSS	10	50
Watering the Plants on 15/04/2018	NSS	4	60
Shramadhana Work at HSIT New Boys Hostel on 05/05/2018	NSS	3	67
"Ready to Vote" campaigning on pre election voting awareness to the public of Nidasoshi village on 09/05/2018	NSS	12	64
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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
Blood Donation Camp	Award	KLE's Dr. Prabhakar Kore Hospital and Research Centre, Belagavi		119
Swachh Bharat	Recognition	Office of Gram Panchayat, Nidasohi		87
Electoral Awareness Camp	Award	Office of Gram Panchayat, Nidasohi		82
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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
NSS	NSS	"Ready to Vote" campaigning on pre election voting awareness to the public of Nidasoshi village on 09/05/2018	12	64
NSS	NSS	Shramadhana Work at HSIT New Boys Hostel on 05/05/2018	3	67
NSS	NSS	Watering the Plants on 15/04/2018	4	60
NSS	NSS	Celebration of Dr. B.R Ambedkar Jayanti and Shramadhana on 14/04/2018	10	50
Red Cross	Red Cross	AIDS Awareness Program on 05/12/2019	27	104
Red Cross	Red Cross	Plantation of Tree on 22/11/2019	54	27
Red Cross	Red Cross	Blood Donation Camp on 24/10/2019	8	45
Red Cross	Red Cross	Diabetes Awareness Program on 24/09/2019	53	87
Red Cross	Red Cross	International	43	54

		Yoga Day on 21/06/2019		
Red Cross	Red Cross	Juice for Perfect Health on 06/06/2019	70	65
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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
IoT Based Project Development Lab	50	aMSa Embedded Solutions, Hubballi	1095
Project Development Lab using IoT	36	aMSa Embedded Solutions, Hubballi	365
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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
Industrial Training	Internship	aMSa Embedded Solutions, Hubbali	10/07/2018	10/08/2018	18
Industrial Training	Internship	Tech Fortune, Bengaluru	11/07/2018	10/08/2018	22
Industrial Training	Internship	Stavyab Technologies, Bengaluru	10/07/2018	10/08/2018	2
Industrial Training	Internship	Evolet Technologies, Bengaluru	09/07/2018	09/08/2018	3
Industrial Training	Internship	Simplified Future System, Belagavi	10/07/2018	10/08/2018	2
Industrial Training	Internship	Workflow Software, Sankeshwar	14/01/2019	23/02/2019	1
Seminar on Tips and Tricks to crack Campus Interview	On-the-job training	Mr. Anil Kumar, Senior Software Engineer, Bengaluru	28/10/2018	28/10/2018	76

Workshop on Artificial Intelligence and Machine Learning	On-the-job training	Mr. Murali Deshpande, Director, GRP Infokyam Ltd. Bengaluru	07/09/2018	07/09/2018	72
Technical Talk on Awareness on Latest Tools	On-the-job training	Mr. Sagar K. and Mr. Sagar D., Android Developer, aSMa Embedded Solutions, Hubli	16/04/2019	16/04/2019	50
Workshop on Practical Hands on Internet of Things using Arduino	On-the-job training	Mr. Vinayak D. Co-Founder, aSMa Embedded Solutions, Hubli	03/05/2019	03/05/2019	47
[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
Shradha Infotech, Belagavi	28/09/2018	Student Workshop	72
Electrosal Hi Tech Pvt. Ltd. Nipani	14/05/2018	Workshop on PCB Design and testing and Internship	36
Electrosal Hi Tech Pvt. Ltd. Nipani	14/05/2018	Interview conduction	1
Techfortune, Bangalore	05/09/2018	Placement Drive	46
INFY SKY, Belagavi	23/08/2019	Human Resource sharing, Industry Visit, Internship, Solving Industrial Technical problems, Recruitments, Conduct, host/sponsor workshop	129
CADD Centre, Belagavi	18/01/2018	Skill Development Trainings (Catia GDT)	27
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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
120.84	44.05

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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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
e-LIB	Fully	16.2	2004

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	35929	13067948	1805	1392016	37734	14459964
Reference Books	3780	699080	0	0	3780	699080
e-Books	16800	156254	0	187375	16800	343629
Journals	115	120000	1	450	116	120450
e-Journals	9811	468764	0	562125	9811	1030889
Digital Database	1	14000	0	14000	1	28000
CD & Video	500	8000	0	0	500	8000
Library Automation	1	56000	0	15800	1	71800

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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
No Data Entered/Not Applicable !!!			
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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	368	18	368	0	48	21	30	50	0
Added	30	0	30	0	0	0	0	0	0
Total	398	18	398	0	48	21	30	50	0

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

50 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
CCTV Cameras NVR	https://hsit.ac.in/itinfrastructure.php
Micromax make 50'' LED TV Speakers	https://hsit.ac.in/itinfrastructure.php
Sony make HANDY CAM PJ50E with all accessories	https://hsit.ac.in/itinfrastructure.php
Collar/ Wireless Microphone	https://hsit.ac.in/itinfrastructure.php

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
79.86	80.8	50.4	39.87

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)

Laboratories: Maintenance: Every Lab In-Charge regularly checks the resource available in their custody and verifies its working condition. Accordingly, report of non-working equipment is communicated to the respective authority. The follow up of the maintenance equipment or resources is taken up immediately after the approval of the concerned authority. The annual maintenance is carried out at the end of every academic year after thorough inspection of the equipment. Depending upon the maintenance requirement, quotations are invited and the detailed procedure is followed to get work done through respective Department. After the maintenance work of particular equipment, satisfactory remark is taken from the concerned In-Charge. Utilization: The laboratories are made available for students and staff for carrying out their Academic and research work. The Computer Laboratories are also utilized to conduct online

Banking Examinations, Competitive Examinations like GATE, COMED-K etc. Library: Maintenance: Institute has well maintained Computerized Library it is equipped with e-Lib ILMS with bar code reader and digital accounting. Central library has its dedicated human resource. Utilization: There is facility of well maintained digital library for enrichment of information. Exclusive reading rooms are available for girls and boys. Class rooms and Seminar halls: Maintenance: Institute has adequate number of spacious well maintained class rooms and seminar halls with ICT facilities. The maintenance of furniture and ICT facilities are taken care by dedicated staff members of the Institute. Utilization: The classrooms/Seminar halls are effectively utilized for Teaching-learning process, Invited -Talks, seminars, workshops, Conferences etc. Supporting Facilities Sport Complex Maintenance: The sports complex is well maintained by dedicated staff headed by physical director. The follow up of the maintenance of equipment is taken up immediately after the approval of the concerned authority. Utilization: Well-Equipped Multi-Gymnasium and indoor sports facility are available in the campus for overall development of the students. Students can also avail the facility of yoga training and practice in the campus. The Indoor and outdoor facilities are also utilized for Inter and Intra-collegiate competition. Transportation: Maintenance: The maintenance of transport facility is taken care by skilled staff members of Automobile section and servicing of Vehicles is getting done through concerned suppliers. Utilization: The institute has a fleet of vehicles running between nearby towns and the Campus to help the students commute from various parts of the region. Power Supply: Maintenance: The Gen-set and all supporting equipments are regularly maintained for better performance by dedicated Electrical maintenance cell. The Servicing of DG-sets get done by Authorized service dealer. Utilization: Physical facilities are supported by uninterrupted electrical supply with 190KVA Diesel Generator backup for all classrooms, seminar halls, Laboratories ,hostels etc. Drinking Water: Maintenance: The regular repair and maintenance of RO water plants is taken care by dedicated maintenance cell of the Institute. Utilization: Institute has established RO water plants with 2500 litter/hour capacity. Garden: Maintenance: The college garden is well maintained by dedicated staff appointed by the institute Utilization: The Garden can be utilized by all stake holders of Institute and the local community.

http://www.hsit.ac.in/coldoc/Maintenance-of-Campus-Infrastructure.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institutional scholarship	11	110000
Financial Support from Other Sources			
a) National	Government of India Post Metric scholarship scheme	584	12188690
b)International	Nil	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implemetation	Number of students	Agencies involved

enhancement scheme		enrolled	
Yoga and Meditation	13/08/2018	47	HIT ,Nidasoshi,Belagavi-591236
Language lab	28/02/2019	152	HIT ,Nidasoshi,Belagavi-591236
Personal Counselling (Teacher Guardian Scheme)	01/08/2018	721	HIT ,Nidasoshi,Belagavi-591236
Remedial Classes	02/03/2019	14	Prof S N Topannaver Prof G V Chiniwalar, Mech. Dept., HIT, Nidasoshi
In House Training on Technical and Soft Skills for Tessolve Semiconductor Pool Campus Drive (Soft Skill Development)	04/09/2018	13	Dr. B V Madiggond, Prof. O B Heddurshetti, Prof. Santosh Sajjan and Prof.P V Patil, HIT Nidasoshi
Orientation Program on Soft Skills for Final Year Students (Soft Skill Development)	07/09/2018	168	Prof. Santosh Sajjan, TPO, HIT, Nidasoshi,Belagavi-591236
A Workshop on Career Counselling for students towards Building a Great Future" (Career Counselling)	26/04/2019	69	Mr.Pradeep Kumar, Relationship Manager, ICT Academy, Govt. of India, New Delhi
An Awareness Program on "Importance of GATE in Career Building" (Career Counselling)	07/09/2018	61	Dr. B V Madiggond, Prof and HOD, EEE, HIT Nidasoshi-591236
Technical Talk on "Career in Design" (Career Counselling)	24/04/2019	47	Mr. Akshay K Kakade, Senior Tool Design Engineer, AEQUS Aero-structure India, Pvt. Ltd, Belagavi
Gate Coaching (Guidance for Competitive Examinations)	31/08/2018	86	HIT,Nidasoshi,Belagavi-591236
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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
2018	Expert Lecture Scheme for Competitive exams, career counselling and soft skill development	86	358	0	78
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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
1	1	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
PalC Networks, Bengaluru	60	3	Infosys, Bengaluru	80	2
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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
2018	0	-	-	-	-
2019	0	-	-	-	-
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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
NET	0
SET	0
SLET	0
GATE	0

GMAT	**0**
CAT	**0**
GRE	**0**
TOFEL	**0**
Civil Services	**0**

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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
Discuss Throw	**Institution Level**	**16**
Javelin Throw	**Institution Level**	**28**
Shot Put	**Institution Level**	**35**
Long Jump	**Institution Level**	**12**
Athletics(Running 5000mts)	**Institution Level**	**15**
Athletics(Running 1500mts)	**Institution Level**	**25**
Athletics(Running 800mts)	**Institution Level**	**22**
Athletics(Running 400mts)	**Institution Level**	**20**
Athletics(Running 200mts)	**Institution Level**	**28**
Athletics(Running 100mts)	**Institution Level**	**16**
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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
2018	**-**	**National**	**0**	**0**	**-**	**-**
2019	**-**	**National**	**0**	**0**	**-**	**-**
2018	**-**	**International**	**0**	**0**	**-**	**-**
2019	**-**	**International**	**0**	**0**	**-**	**-**

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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)

HSIT is committed to provide overall development of the students by educating them in state of art infrastructure, promoting leadership and organizational skills through different initiatives taken at the institute level. A student council at the institute level is formed wherein students from all classes of society can represent through different bodies/committees. Presence of Active Student Council: The role of Student Council at the Institute level is to contribute for the overall development of students by set of Institute level activities. It acts as a bridge between Institute administration and students.

Student Council has following composition: 1. General Secretary 2. Sports Secretary 3. Cultural Secretary 4. Ladies Representative 5. Technical Secretary 6. NSS Secretary 7. All Class Representatives (CR's) Role of Student Council: The roles and responsibilities of Student Council (SC) mainly include smooth conduction and organization of events and maintaining academic ambience. Members of SC are actively involved in planning and executing technical, social, techno-social, sports and cultural activities initiated by the institute. SC coordinates functioning of departmental student associations in the institute and provides necessary inputs for overall development of students. SC is actively engaged in grooming of newly admitted students and guiding students as per their needs. SC regularly arranges sessions on 'Code of Conduct' and sensitization programs. 1. Anti-Ragging Committee: College Anti-Ragging Committee headed by Principal, HOD's of all departments, one senior faculty from each department, Police officer of nearest police station and students members. The work of this committee is to avoid ragging cases in the campus. Senior students are actively involved in making HSIT campus ragging free. 2. NSS: HSIT has active NSS cell which in collaboration with VTU, Belagavi organizes Blood donations camps, Shramadhana Programs, Village Visits and Camps, Celebration of National Festivals etc. 100 NSS volunteers are actively involved in the activities. 3. Students Association: Every department has Student Association led by a group of 10-15 students. This group ensures involvement of all other students of department in organizing activities throughout the year. 4. Hostel and Mess Committee: The Committee is formed to check the quality of the food and facilities provided in the hostel for the student residing in Hostel and availing Mess facility. Students are also the member of this committee.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The greatest asset of any institute is it's alumni. A good institute can measure its worth by its alumni. Our Alumni are performing extremely well at various places and positions throughout the world. Alumni are the most important stakeholders of our Institute. Therefore the institute has established an "ALUMNI ASSOCIATION HIRASUGAR INSTITUTE OF TECHNOLOGY" on 11th February 2011 under Karnataka Society Registration Act, 1960 with registration No: D.R.L/S.O.R/BGM/1245/2010-11. Every pass out student is eligible for life time membership and can become a member by completing registration process. Alumni association HSIT has organizational structure as President, Vice-Presidents, Secretary, Join Secretary, Treasurer and members. It has total 17 members on this committee. The office bearers of this committee keep the track of our alumnus and also communicate happenings in the institute. These committee members meet twice in a year. Becoming the member of alumni association is one of the easiest ways to reconnect, give back to the institute, and serve as a springboard for further involvement. Alumni Association HSIT has organized 5 alumni meets in the campus, one alumni meet at Bengaluru and one alumni meet at Pune successfully. Alumni meet provides them the platform to share their past and present experiences as well as recalls their memories in the institute with their teachers, juniors and friends. The involvement of alumni in supporting and providing contributions voluntarily to this institute is important for maintaining and expanding an institute's development. By establishing channels that can facilitate closer ties between the alumni, students and institute, it can provide crucial benefits in enriching the student's experience while being at the institute. Our alumni are serving their alma mater in following ways- • Participation in the programs like seminars, workshops, etc, as a resource person. • Delivering expert lectures regularly and guiding the students about new trends in the work

environment, skill enhancements, professional ethics and catering student's need of career . • Evaluating various technical events as jury member. • Helping their juniors for getting the placements. • Suggesting modifications in the curriculum. • Donating books to the students. • Giving cash prizes to the meritorious students. • Sponsoring the student's projects. As every alumnus has experienced his/her life at institute through different phases before graduating through unique and different model of HSIT, hence they find the potential for contributing back for the development of the institute and support the institute's reputation.

5.4.2 – No. of enrolled Alumni:

310

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

155000

5.4.4 – Meetings/activities organized by Alumni Association :

02

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)

Decentralization: The institution functions with the method of decentralized governance system. The head of the department has been given an authority in deciding the activities and delegating the responsibilities to the staff members. The department decides on timetable, subject allocation, purchase and maintenance of equipment and consumables, organizing conferences, guest lectures and workshops and organizes necessary Industrial visits, In-plant trainings, Internships and MoUs. Participative Management: The institution is functioning effectively with the culture of participative management which enables the faculty and students to give their opinion and suggestions for improvement. All the departments of the college function under the direct supervision of the Principal. Day-to-day academic activities of the departments are taken care of by the respective HODs. Principal conducts weekly meeting with all HODs/Conveners. HODs / Conveners will conduct the meeting with the concerned members to discuss various issues and resolutions made will be communicated to Principal for final decision. The Principal coordinates with the departments, administration and management. Participative management provides extensive scope for having cooperation among the departments and ensures the quality of planning and implementation of all the activities in the institution uniformly and as a team. Case study of Decentralization and Participative Management in the Institute Weekly Academic Review: Weekly academic review committee is responsible for drafting, regulating and implementing different academic policies. It is meant for smooth and uniform conduction of academics throughout the year. Composition: It is headed by the Principal and Heads of all the Departments are members. Activities conducted: It prepares the academic calendar of the institute which is in line with University's academic Calendar that includes curricular, co-curricular, extracurricular activities and monitors the teaching learning process. The committee reviews weekly attendance and syllabus coverage report of all departments. Ensures the smooth conduction of practical and lectures. The HOD supervises all academic activities of department and ensures conduct of academics as per schedule/Time Table. Outcome: The meetings are conducted weekly at institute level and department level to discuss the academics related activities.

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

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	The Institute has the distinct feature of giving quality and affordable education to the rural and needy students in a pollution free, spiritual environment. The Institute is spread over on a lush green campus of 48.26 acres and all the amenities are provided for the overall development of the students. The teaching is student centric and faculty adapts to the diversified student levels. Counseling is conducted for the slow learners and the extra attention is given to them. Mentorship concept is in practice and a group of 10 -15 students is assigned to each teacher. The Institute organizes special talks by industrial persons, academicians, religious heads, eminent scientists, project competitions for the benefit of the students.
Industry Interaction / Collaboration	The Institution has established 18 functional MOU with the Industries. One Industry linked laboratory i.e., IOT laboratory has been established in the department of Computer Science Engineering. Students undergo internships training and Industrial visits are organized for the students. Each department organizes expert talks/lectures by the Industry experts/ alumni entrepreneurs. Industrial persons are invited as judges/examiners for the project competitions and Internship examinations conducted by the University. They give the valuable suggestions for the improvements in the product development and the industrial culture
Human Resource Management	The Institution has its service rule book approved by management. It firmly follows the service norms of Government of Karnataka. The institute works for 8 hours with 1hour lunch break. The benefits like PF, CL, EL, RH and Maternity leaves etc are provided to all staff. Training and development programs are arranged regularly. Faculty members are supported for higher studies in the fields of

	specialization in reputed institutes and University. Teaching faculty is provided with financial support for attending the FDPs and Conferences outside the Institution as well for publishing their research findings in peer reviewed journals.
Library, ICT and Physical Infrastructure / Instrumentation	The association with VTU (VTU Consortium) to share digital content under licence is continued by renewing the licence annually. The library has a total of 37,734 volumes and 9,763. Separate reading rooms for boys and girls are available with a seating capacity of 100 each. All the classrooms, tutorial and seminar halls are equipped with ICT facilities. There are 398 computers with student to computer ratio of 3:1 and are connected to 50MBPS leased line (1:1) through LAN and 24X7 secured Wi-Fi with 36 access points. 30 PCs of latest configuration are added to Internet Laboratory. The Institute is having sports ground and complex for outdoor and indoor sports and independent Multi-Gymnasium. An Amphi theater measuring 1113 sq.m. is available for conducting cultural events.
Research and Development	The institution is engaged in research and development with 4 VTU approved research centres to facilitate faculty to pursue research activities and executing sponsored projects. There are ten doctorates and twenty one faculties are pursuing Ph.D. in the Institution. The faculties are encouraged to publish the research works in reputed international journals like Elsevier, SCI journals etc by giving an incentive of Rs 5000/- cash prize. The faculties are encouraged to submit project proposals for external funding like AICTE, VGST, DST etc and the Institution supports the funded projects with an additional institute share of 15 percent of the granted amount. International conferences are being organized every year in the month of July. The Institution has subscribed to 6000 International journals.
Examination and Evaluation	Semester End Examination is conducted by VTU. Continuous Internal Evaluations (CIE) is conducted in line with university examination pattern. The teaching faculty sets the question paper as per the university question

	paper pattern conforming to the Bloom's Taxonomy levels as per the NBA guidelines as well augmented by assignments. The Internal evaluation question paper is reviewed by module coordinator and the head of the department. The faculty member evaluates the answer books as per the scheme of evaluation. The faculty member justifies the marks scored by the students who seek clarification. CIE results are announced as per Calendar of Events.
Teaching and Learning	The institution is following student centric Teaching and Learning methods since its inception. The faculty continuously improves the delivery system by Plan, Deliver, Check and Act cycle. The faculty identifies outcomes to be realized by the students after completing the course. They carefully design the course delivery content, student participation activities and the assignments to be completed by the students during the semester for every course. A continuous evaluation of the progress made by the students has been adopted. As a part of continuous evaluation process three internal assessment tests are conducted apart from other methods of evaluation by the faculty and slow learners are identified and mentored.
Curriculum Development	The curriculum is prescribed by the affiliating university, i.e. Visvesvaraya Technological University, Belagavi (VTU). The curriculum undergoes a revision once in four years. The institution encourages our faculty / department to participate and contribute to enrich the curriculum during the course of its revision. This is carried out by communicating to the university during the process of preparing and finalizing the revised / new curriculum. Further the institution collects the data pertaining to curriculum / syllabus by taking a feedback by the alumni once a year as well as the students during the final year of their course. The consolidated recommendations are forwarded to the university to be used for enriching and updating the content to meet the recent trends in the industry.

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

E-governace area	Details
Student Admission and Support	Student admission for the year 2018-2019 is partially implemented online. As the admission process is semi-online, admission forms are also provided. Students submit printouts and required documents at respected counters. The software is also used for student support like issuing Transfer Certificate, Bonafide certificates. Admission Forms, Issue of ID Cards, Library cards and Challan through the software.
Examination	The College has the separate Examination Cell with equipped ICT 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, printer, reprography and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose.
Planning and Development	ICT facility is used in the process of planning college-events and activities, institute uses personal e-mails. Important notices and reports are also circulated via e-mails.
Administration	The Administration of the College is functions with E-governance system at College level. Even though the college is established in backward taluk, still the college tries their best to keep in touch with latest tools of administration with available facilities in hand. With the help of developed technology, college staff uses the available tools for administration purpose. Such as use of Smartphone with inbuilt social app like Gmail and WhatsApp. It helps to provide the brief notice of any event to be happened on college WhatsApp Group for awareness and of smooth functioning of the same. The college have Bio-metric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras at very place of need.
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 Tally ERP 9.0 for the transparent functioning

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. G. Huddar	----	IEEE	5400
2019	R V Nyamagoud	Strategies ICT tools for Hybrid vehicles @ NIT, Warangal.	-----	1600
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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 IoT and its real time Applicatio ns	------	28/01/2019	02/02/2019	54	0
2018	"Effective Conduct of Basic Electrical Engineerin g Laboratory 18ELEL17"	-------	03/08/2018	03/08/2018	15	0
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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
STTP on Algorithms and Architectures	1	20/08/2018	24/08/2018	5

for High Efficient Video Processing Systems (AAHEVPS-2018)				
STTP on "IoT DSP Applications Design.	1	01/01/2019	06/01/2019	6
STTP on "Novel Modeling Techniques in Bio-Medical Engineering"	1	01/01/2019	06/01/2019	6
FDP on "Internet of Things and Its Real Time Applications".	39	28/01/2019	02/02/2019	6
"Control of power electronic converters for smart power systems"	1	15/07/2019	20/07/2019	6
Advanced Communication and Networking Technologies	1	08/07/2019	12/07/2019	5
Advanced study on Engine combustion, Diagnostics, Emission control and Emerging Fuels	1	03/08/2018	07/08/2019	5
Analysis of Modern Manufacturing Processes	2	07/01/2019	11/01/2019	5
Strategies ICT tools for Hybrid vehicles	1	07/02/2019	12/02/2019	6
Technological advancement of Polymer Nano composites	2	04/04/2019	08/04/2019	5
[View File](#)				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Supported for higher studies. 2. Group insurance scheme. 3. Maternity leave. 4. Medical Leave. 5. Casual Leave. 6. EPF. 7. Soft Loan facility is available for institute staff through Co-operative Society. 8. Medical facility with full time resident Doctor is available in the campus. 9. Staff quarters facility for teaching and non-teaching staff in the campus.	1. Group insurance scheme. 2. Maternity leave. 3. Medical Leave 4. Casual Leave. 5. Vacation. 6. EPF. 7. Soft Loan facility is available for institute staff through Co-operative Society. 8. Medical facility with full time resident Doctor is available in the campus. 9. Staff quarters facility for teaching and non-teaching staff in the campus.	1. Grievance Redressal Committee: To provide a mechanism to students for solutions for their grievances, Grievance Redressal Committee is formed. 2. Hostel and Mess Committee: The Committee is formed to check the quality of the food and facilities provided in the hostel. 3. Group Insurance facility is provided to the students. 4. Scholarship is provided to the SC/ST/OBC students. 5. Financial assistance in the ascending order base on merit from Rs 5000/- to 20,000/- is given 6. Education loan facility is facilitated through the Institution. 7. Financial assistance/bus facility will be provided to the students for attending the curricular/ extra-curricular activities outside the institution

6.4 – Financial Management and Resource Mobilization

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

For financial management, the institution has three types of accounts Receipts Payments, Income Expenditure and Balance Sheets. Each and every transaction is supported by the vouchers. All bills on recurring non-recurring expenses are disbursed through cheque payment. External Audit: The Accounts of the college are audited by the external approved Chartered Accountant. Internal Financial Audit: Internal financial audit is a continuous process and is monthly done by Accounts department of the Institute. The expenditure incurred on all heads of accounts are read and approved in the monthly meeting of Advisory Committee of the Trust.

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
Shri. Gangadhar Kapse	6500	Prize for securing highest marks in BE final year.

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	Visvesvaraya Technological University, Belagavi	Yes	Principal
Administrative	Yes	Visvesvaraya Technological University, Belagavi	Yes	SJPN Trust

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

1. Felicitation of Parents of Toppers. 2. Parents Meet 3. Central counselling. 4. Counselling by Class Teacher.

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

1. Awareness on Safety Measures. 2. Industry/Field Visit. 3. Communication Skills.

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

1. Accreditation of four UG programmes (CSE, EEE, ECE ME) by NBA. 2. Applied for Permanent Affiliation 3. Applied and short listed for New Age Incubation Network (NAIN) 4. Applied for AICTEs MARGADARSHAN Scheme 5. Organized awareness program on National Education Policy 6. Preparing the Institute for Autonomy 7. Starting of new course in Civil Engineering

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	External Evaluation of Academic activities by Local Inquiry Committee of VTU 2018-19	30/11/2018	07/12/2018	07/12/2018	174
2018	Accreditation of	30/11/2018	18/12/2018	19/12/2018	174

	Institute by NAAC				
2019	Accreditation of Four UG Programmes: CSE, EEE, ECE ME by NBA	28/01/2019	17/05/2019	19/05/2019	163
2019	FDP on Internet of Things Its Real Time Applications in association with NIT, Warangal	28/01/2019	28/01/2019	02/02/2019	54
2019	Techno-Vision-2019	28/01/2019	23/03/2019	23/03/2019	480
2019	HSIT QUEST-2019	28/01/2019	25/03/2019	25/03/2019	497
2019	HSIT Sambhrama - 2019	28/01/2019	26/03/2019	26/03/2019	478
2019	Graduation Day - 2019	28/01/2019	23/05/2019	23/05/2019	314
2019	2nd International Conference ICRISET - 2019	28/01/2019	18/07/2019	19/07/2019	208
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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
International Womens Day Celebration	02/03/2019	02/03/2019	178	8
Bicycle Rally for Awareness on Girl child education	03/12/2018	03/12/2018	25	50
Human Values and Ethics	29/11/2018	29/11/2018	110	4
Awareness on Legitimate	30/10/2018	30/10/2019	130	9

Provision for Women							

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
23.57

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0

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	0	5	02/03/2019	1	Lecture on Dr.DVGs Mankuthimmana Kagga by Shri. G.S.Natesh	How to lead Stress free and Peacefull Life	150
2019	0	5	26/02/2019	1	VVPAT Voting Machine Demo for Parliament Election 2019	Awerness on VVPAT	145
2019	0	5	24/02/2019	1	Shramadahn Work in Hukkeri Taluka 9th Kannada Sahithya Sammelana	Social Work	165
2019	0	5	19/02/2019	1	"Voters Day" Celebration	New Voter Enrollment to Electoral Roll	120
2018	2	0	13/12/201	1	Awareness	Awareness	70

			8		on Rain water Har vesting by Mr. Ayyappa Masagi	on Rain water Har vesting	
2018	0	5	08/08/2018	1	Celebrati on of World Env ironment Day	Awareness on Green Environme nt	160
2019	2	0	01/07/2019	1	Conductio n of JEE Exam	Resourse Utilizati on	95

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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)
Service Rules for Employees	10/01/2018	Service Rules for Employees of SJPN Trust, Nidasoshi is disseminated to employees in the form of booklet and also published on Institute website.
Professional Code by VTU and AICTE	18/10/2018	Professional Code by VTU and AICTE is published on the Institute website.
Code of Conduct for students	18/10/2018	Code of Conduct for students is published on the Institute website.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Usage of social media like Facebook and whatsapp	08/08/2018	08/08/2018	90
Sadbhavana Diwas	20/08/2018	20/08/2018	120
Kodagu flood relief fund collection	20/08/2018	20/08/2018	125
Candle Light March	18/02/2019	18/02/2019	300
Science Day Celebration	13/03/2019	13/03/2019	105

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

Vanamahotsava
Swachha Bharta Abhiyan
Project on Automatic Bag Making Machine by final year students
Project on Plant-e Technology by final year students

Project on Design and Fabrication of Composite Tile maker Machine by Recycling of Plastic
Project on Fabrication of Low Cost high efficient composite using garment waste for indoor and outdoor applications

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I: Title: "Techno-vision", a State level project and paper presentation competition for Diploma students. Objectives: ? To encourage students' talent ? To promote interaction with Engineering Staff and Students about career ? To build confidence towards higher studies The Context: To resolve contemporary issues through recognized students projects and motivating more students towards higher education. The Practice: The "Techno-vision" is organized every year by inviting Polytechnic students across Karnataka, Maharashtra and Goa states. The whole process is transparent by the invited Judges from relevant organizations. The winners of various events are awarded by cash prizes and certificate of merit. Evidence of Success: In the 2018-19 academic year, 18 Polytechnics and 480 students across the state have participated and prizes more than Rs. 50,000 were distributed. The event is succeeding to ignite the Diploma students to opt higher education. Problems encountered and Resources required: The major problem encountered was academic overlap of degree and diploma exam schedule and it has been resolved by organizing event at least one month advance to the Diploma Board Exams. The resources required: Well-equipped labs, ICT class rooms/campus, Manpower, Accommodation, Boarding and Transportation. Best Practice II: Title: "Soft-loan through Employees Cooperative Credit Society". Objectives: ? To provide the financial support with minimal rate of interest to the needy and poor employees in critical conditions. ? To reduce the financial imbalance among the employees for self-development. The Context: In the view of economical upliftment of poor employees, the said society is necessary. The Practice: The "Employees Cooperative Credit Society" has been established in the year of 2007 with 123 members by paying Rs.10 as a membership fee as per the Govt. Society Act. The every member will deposit minimum amount from their salary on monthly basis. Based on the request and need of the applicants, the loan will be sanctioned immediately, easily and friendly. The dividend will be shared among all members every year. Evidence of Success: In the 2018-19 financial year about 15 needy employees with loan amount of Rs.33, 17,000 have been benefited by this practice. Problems encountered and Resources required: The problem of every month amount requirement of needy employee will be resolved on the basis of humanity and compassion. The resources required: One exclusive accountant, Computer System, Stationery and Space.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.hsit.ac.in/NAAC/C7/7.2-2018-19.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Title: Financial ASSISTANCE to Merit Students: Institute is run by SJPN Trust under the holy shrine the "Siddha Sansthan Math" Nidasoshi having a glorious history of past 300 years and is headed by the 10th pontiff Shri Shivalingeshwar Mahaswamiji. The very purpose of the institute is imparting technical education with holistic approach to the rural youth, which helps in uplifting the families of rural farmers. Purpose of this scheme is to provide financial assistance to meritorious needy and deserving students. "Financial

Assistance Scheme" will be applicable to all the regular students of HSIT fulfilling prescribed criteria. Process: Students at the time of admission will pay fees as prescribed by CET/COMEDK/Management. After the announcement of university results. The students passed in First Class and FCD will submit an application to the Principal for Sanction of Scholarship. After scrutiny of applications based on merit in the ascending order scholarships/Financial Assistance of Rupees from 5000/- to 20000/- are awarded every year. In the academic year 2018-19 total 11 meritorious students have benefited. Title: Group Insurance for Staff and Students: Group Insurance facility is provided to all the students and faculty. These policies are issued under the name of the educational institution and the claim is paid out to the guardian or parent of an affected student/staff. Once the institution purchases a Student Safety Insurance/Janata Personal Accident-Group Policy (Staff), all the students and staff in the institution will be covered for the sum assured rupees 1,00,000/- each. Features of Student Safety Insurance Policy/ Janata Personal Accident-Group Policy will be covered against loss of one or both limbs, one or both eyes, one limb and one eye, partial disablement, permanent disablement and also in the event of death. Policy remains in force for a period of 12 months.

Provide the weblink of the institution
http://www.hsit.ac.in/NAAC/C7/7.3-2018-19.pdf

8.Future Plans of Actions for Next Academic Year

1. Strengthening of the RD ECO System: Strengthening of the RD ECO System in the institution by participating in funded projects from various agencies like VGST, KSCST, AICTE DST is our first plan of implementation for institutional development. 2. Involvement of alumni in institution development: Involvement of alumni in the development of the institution is our second plan during the next academic year. Strong alumni base is a major strength of our Institution. Since inception in the last 25yrs of establishment more than 4800 alumni have graduated from this Institution and are working in very good position at different organisations. The alumni working in senior positions will be requested to involve in extending training in the advanced area of engineering management to support the present students for placement and competitive exams. Hence at least two/ three alumni meet at Bengaluru and Pune will be organised to share our views and convey our achievements. 3. Implementation of skill development program for supporting staff: Developing and deploying skill based training programmes to supporting staff in association with university / funding agencies is our third plan. Most of the lab supporting staff have limited exposure to latest technological/software tools and hands on skills. 4. EDP-Activities: Developing entrepreneurship culture among students through various activities training programmes is our fourth plan for implementation.