

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

**HIRASUGAR INSTITUTE OF TECHNOLOGY,
NIDASOSHI**

AT POST. NIDASOSHI TQ. HUKKERI DIST. BELAGAVI

591236

www.hsit.ac.in

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Shri. Duradundeshwar Siddha Saunsthan Math, Nidasoshi and Trust

Shri. Duradundeshwar Siddha Saunsthan Math, Nidasoshi is a holy shrine and has a glorious history of 300 years. The religious tolerance and preachings of Mahaswamiji of the Math has attracted a large number of devotees and disciples from Karnataka, Maharashtra and Goa. The SJPN Trust was founded in 1984 by Shri. Pancham Jagadguru Nijalingshwar Mahaswamiji, the ninth pontiff of Shri. Duradundeshwar Math, Nidasoshi. To empower rural youths through technical education Polytechnic was started in 1983. Hirasugar Institute of Technology came into existence in 1996.

Hirasugar Institute of Technology, Nidasoshi

Hirasugar Institute of Technology is affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE, New Delhi & recognized by Government of Karnataka. The institute is spread over on a lush green campus of 48.26 acres. The campus has all the basic amenities for the overall personality development of the students with adequate infrastructure. The college was started with four Under Graduate programmes namely:

1. Computer Science & Engineering
2. Electrical & Electronics Engineering
3. Electronics & Communication Engineering
4. Mechanical Engineering.

It received an over whelming response from students planning to pursue Technical Education. During academic year 2014-15, Post Graduate programme in Thermal Engineering and Research Centre in Mechanical Engineering department were started. Recently Research Centers are sanctioned by University in Electrical & Electronics Engineering, Electronics & Communication Engineering departments and Engineering Chemistry from the academic year 2018-19.

Vision

“To be a preferred institution in Engineering Education by achieving excellence in teaching and research and to remain as source of pride for its commitment to holistic development of individual and society”.

Mission

“To continuously strive for the overall development of students, educating them in a state-of-the-art-infrastructure, by retaining the best practices, faculties and inspire them to imbibe real time problem solving skills, leadership qualities, human values and societal commitments, so that they emerge as competent

professionals”.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The Institution is run by Mahaswamiji of Shri. Siddha Saunthan Math, Nidasoshi purely on charity basis.
- Pollution free well connected campus located in rural area.
- Highly qualified competent, experienced and dedicated teaching faculty with more than 95% retention.
- State-of-art infrastructure, well equipped Laboratories and latest software tools.
- Student centric teaching learning with mentoring/counseling.
- Strong alumni base.
- Proactive Training and Placement Cell.
- On campus staff quarters and hostels for boys & girls with hygienic food facility.
- 50 Mbps dedicated lease line internet connectivity with Wi-Fi campus.

Institutional Weakness

- Difficult to establish linkages with international organizations and industries.
- Student's intake is from rural, educationally, socially and economically backward having poor communication skills.
- Limited scope for research and consultancy activities.

Institutional Opportunity

- Potential for getting grant in aids/funds from various funding agencies.
- Scope for under taking inter-disciplinary & sponsored research projects.
- Scope for expanding base of Alumni network for academic & placement activities.
- Opportunities to expand activities like entrepreneurship, incubation, R & D centre.

Institutional Challenge

- Empowering our students to compete with students studying in premier institutions.
- Attracting core companies for training and recruitment.
- Strengthening industry institution interaction.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Hirasugar Institute of Technology, Nidasoshi is affiliated to Visvesvaraya Technological University and follows the curriculum designed by the university. All the academic activities are conducted as per the Calendar of Events prepared in line with University Academic Calendar. The institution has a practice of counseling the

poor performers in the Internal Assessments at the Department level. Remedial classes are conducted to slow learners for critical subjects. Special talks are arranged regularly by eminent academicians & Industry persons to strengthen the teaching learning process. Eight faculty of the Institute are working as BOS/BOE members of the university.

The institute has introduced post graduation program in “Thermal Engineering” and “Research Centre” in four streams. In view of revision of curriculum/syllabus by the university at every four years number of new subjects have been introduced in the last five years. The university has introduced Choice Based Credit System (CBCS) in the curriculum to give the flexibility to choose subjects of his/her interest at all levels. The Institute has so far conducted 12 subject related certificate programs and 1111 students have undergone training in last five years.

The institute conducts several awareness programs on prevention and prohibition of sexual harassment at work place, student’s rights and security & gender equality through Women Empowerment Cell. The Institute organizes many environmental related activities through NSS unit. The Institute conducts many programs like World Yoga day, Blood Donation camp, Free Health checkup camps & Birth Anniversary of great personalities on regular basis.

Teaching-learning and Evaluation

Admissions are carried out as per the guidelines issued by State Government from time to time. Overall enrollment in the last five years is 84.35% and out of this 9% students are from the out of the state. Based on the performance in the first Internal Assessment (IA), students are identified as slow and advanced learners. Remedial classes for slow learners, tutorial classes for critical subjects and awards/rewards for advanced learners is in practice. The Institute has adequate and qualified faculties maintaining 13:1 Student: Teacher ratio to ensure & sustain quality in teaching learning.

Institute practices blended teaching learning processes from chalk-and-talk to smart board. Every faculty member makes use of ICT tools for effective teaching-learning. Mentorship concept is in practice and a group of 10 to 15 students is assigned to each teacher.

Institute has a total of 78 qualified and dedicated faculties having an average experience of 13 years and more than 12% of the faculties are Doctorates from institutes of national importance like IISc, IITs and NITs. Besides this few senior faculties are recognized as Editorial Board Member/Reviewer for referred International Journals. Internal Evaluation System is robust & transparent and evaluation of the student is carried out through three IAs, Assignments and Semester End Examinations (SEE).

The institute has demonstrated very impressive results in the University Examinations and the average result is 99.07%. CO-PO attainment is evaluated based on students’ performance in the IAs & SEE using in-house developed Assessment Tool.

Research, Innovations and Extension

Research Centers in Mechanical, Electronics & Communication, Electrical & Electronics Engineering Departments and Engineering Chemistry are established. The institute has received Rs. 20 lakhs fund from VGST, Government of Karnataka to establish an “Alternative Fuel Research Laboratory”. To promote research and innovative ecosystem in the campus, 5 research proposals for grant in aid are submitted to VGST, 3

proposals for MODROBS and 3 proposals for FDP are submitted to AICTE for funding. The institute has highly qualified and research blend human resources, where in 07 faculties are guiding 10 Ph.D. scholars. The institute has been shortlisted for approval to establish “New Age Incubation Network-NAIN” from VGST.

More than 165 research articles and 35 books/volumes of staff and students have been published in reputed International Journals and Conference Proceedings respectively. The Institute has organized 2 International Conferences, 6 Workshops/Seminars on “Intellectual Property Rights” and Industry-Academia Innovative practices to initiate incubation activities.

The Smart India Hackathon-2018, of AICTE, New Delhi has selected 5 students’ projects of our institute on contemporary issues. Many of our students’ extensive projects resolved community issues and received awards. KSCST has sponsored 40 students’ projects in the last five years. Every year more than 500 volunteers are involved in NSS and Red-cross activities.

Institute has established more than 85 linkages through 18 functional MoUs with different organizations to bridge the gap between industry and academia. The Institute has received an invitation to sign a MoU with UNIVERSITY OF COMMONS to establish ‘Social Innovation Lab’ in collaboration with Mindtree.

Infrastructure and Learning Resources

The Institute is spread over on a sprawling 48.26 acres of lush green campus with 29,370 sq.mts. built-up area. To ensure effective Teaching-Learning process, institute has adequate infrastructure and learning resources. There are 24 classrooms and 40 well equipped laboratories along with central computing facility. All the classrooms, seminar halls are furnished with ICT facilities including smart board to offer the interactive teaching-learning experience. There are 395 computers in the campus with student to computer ratio of 3:1 and are connected to 50Mbps Leased line (1:1) through LAN and 24X7 secured Wi-Fi campus covered with 36 access points.

The Institute is having sports complex for outdoor and indoor sports and independent Multi-Gymnasium. An Amphitheatre measuring 1113 sqm. is available for conducting cultural events. For the overall development of students and staff, Institute has separate Yoga Center with meditation hall in the sports complex.

Library has a total of 35,264 volumes and 9,399 titles on its stack. Central Library is a member of VTU e-consortium, DELNET and subscribed to online journals to fulfill research needs. Provision for separate reading rooms of capacity 150 for boys and 100 for girls is made available. Digital library for accessing e-journals with 16 computers is part of the Central Library. The institute has 11KV substation in the campus. Uninterrupted power supply through 190 KVA Diesel Generator sets throughout the campus including hostels is provided. The Institute has well maintained supporting facilities like; Hostels, Bank, Canteen, Transportation, Health Centre & RO water plants of 2500 liters/hour.

Student Support and Progression

The institute has well organized student support system which includes Career Guidance, Training and Placement Cell, Grievance Redressal Cell, Student Welfare Cell, Anti-ragging Cell, Alumni Association, etc. More than 51% students of the institution are benefited through Rs 1.86 Crore scholarships provided by government. Institution scholarship is provided to 44 meritorious and deserving students. The institute has a

dedicated training and placement cell which provides training to the students in soft skill development and aptitude required for competitive examinations and placements. Guidance for career counseling, Competitive Examinations and extra coaching for GATE is provided by every department through inhouse resource persons due to which around 87% students are benefitted during the last five years. Counseling sessions are conducted for both slow and advanced learners at various levels to improve their academic performance and personality.

In the last five years, more than 115 companies have conducted campus drives and 52% of the students are placed through training. Around 67% students have qualified in State/National/International level competitive examinations and 158 student activities/competations were conducted.

The Institute has student council which helps students to cultivate leadership qualities. Students are supported to develop other aspects of personality with active participation in co-curricular & extracurricular activities.

Institute has registered dynamic Alumni Association which contributes in academic matters, student support as well as mobilization of resources. The Alumni Association of institute has organized FIVE alumni meets to enhance bonding between alumni and institution during last five years.

Governance, Leadership and Management

The Institute is run by His. Holiness. Shriman Niranjan Pancharam Shri. Shivalingeswara Mahaswamiji of Siddha Saunstan Math, Nidasoshi, purely on charity basis. The Principal is Member Secretary of the Governing Council of the institute and convenes the meeting of Advisory Committee every month. The policy decisions of the advisory committee are considered for implementation. The vision and mission of the institute have been framed in discussions with Internal & External stake holders.

The Institute has developed five years perspective plan which includes getting accreditation from NAAC & NBA, establishing Research & Incubation Centre, permanent affiliation and listing in NIRF ranking. Different Committees/Cells are constituted to conduct various activities effectively.

Different welfare schemes are in practice to support the faculty, which include supporting for Higher studies, Group Insurance, Medical/Maternity leave facility, Soft loan through Employees Co-operative Society and Staff quarters in the campus etc. More than 50% of faculties have attended Conferences/Workshops/STTP with financial support. 86% of faculties have attended professional development programmes and institute hosts 2-3 workshops yearly. The Institution has well defined Appraisal System for staff and are assessed annually.

Tuition fee collected from students is major source of fund. The institute has made budgetary provisions for academic activities and its optimum utilization is monitored through regular audits.

Institution has constituted IQAC on 10th March 2018 for quality assurance, sustenance and improving academic standards and promote research activities. The IQAC has implemented soft tools for academic performance assessment of students. International Conference was organized as part of IQAC initiative.

Institutional Values and Best Practices

Institution shows gender sensitivity in providing facilities such as Staff quarters, Hostels for Girls and Boys with dedicated wardens and round the clock security. Energy conservation and renewable energy usage is

practiced in the hostels through use of Solar water heaters and bio-gas plants for cooking. Nearly 80% of the energy requirements for water heating and cooking are met through solar heating and bio-mass. The NSS Unit and Red Cross Cell conduct blood donation camp yearly. Technology based education to children studying in government schools are conducted in association with LEAD cell. Donations to old age homes, slum areas, orphanages are organized through IEEE Student-Branch. Institute conducts Yoga and Meditation camps by eminent Spiritual Leaders. Yoga Ratna Awardee Mr. Victor Truviano of Argentina has preached yoga on the eve of International Yoga Day.

The best practices followed in the institution include, (i) Organizing “Techno-Vision”, State level Project and Paper Presentation Competition for Diploma students to motivate them to pursue higher studies. In the last five years 76 Polytechnics and 951 students across the state have participated and prizes worth Rs.2,00,000/- are distributed. (ii) Providing Soft-Loan by HSIT Employees Co-operative Credit Society. In the last five years 179 employees have availed the loan of Rs.1,35,82,643/-. (iii) Awarding Topper in Internal-Assessment Test.

A distinctive feature of awarding scholarship to the meritorious students admitted through management quota is in practice. In the last five years 44 students have received institute scholarship of Rs.4,25,000/-. Group Insurance facility for Staff and Students covers Rs.1,00,000/- each.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI
Address	At Post. Nidasoshi Tq. Hukkeri Dist. Belagavi
City	Nidasoshi
State	Karnataka
Pin	591236
Website	www.hsit.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	S C Kamate	08333-278902	9480849331	08333-27888 6	principal@hsit.ac.i n
IQAC Coordinator	Shilpa B Shrigiri	08333-278887	9844168942	08333-	shilpashrigiri.ece@ hsit.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	03-06-1996

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	04-04-2018	12	

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	At Post. Nidasoshi Tq. Hukkeri Dist. Belagavi	Rural	48.26	29370

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Computer Science And Engineering	48	XII STD	English	60	41
UG	BE,Electrical And Electronics Engineering	48	XII STD	English	60	17
UG	BE,Electronics And Communication Engineering	48	XII STD	English	60	38
UG	BE,Mechanical Engineering	48	XII STD	English	120	64
PG	Mtech,Mechanical Engineering	24	B.E	English	18	7
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	36	M.Tech.	English	4	
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.Tech.	English	8	
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	36	M.Tech.	English	12	3
Doctoral (Ph.D)	PhD or DPhil,Engineering Chemistry	36	M.Sc.	English	4	

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	7				8				68			
Recruited	7	0	0	7	2	1	0	3	58	10	0	68
Yet to Recruit	0				5				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				68
Recruited	66	2	0	68
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				35
Recruited	31	4	0	35
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	0	0	2	1	0	0	0	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	59	9	0	68

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	1	1	0	2

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	575	40	0	0	615
	Female	379	5	0	0	384
	Others	0	0	0	0	0
PG	Male	10	0	0	0	10
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	52	54	54	40
	Female	21	21	25	15
	Others	0	0	0	0
ST	Male	9	5	7	7
	Female	3	5	5	5
	Others	0	0	0	0
OBC	Male	113	178	188	187
	Female	60	91	98	108
	Others	0	0	0	0
General	Male	599	565	610	579
	Female	377	286	291	257
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1234	1205	1278	1198

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response : 6	File Description	Document
	Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	6	6	6	4

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1009	1234	1205	1278	1198

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
540	540	540	540	540

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
293	344	320	311	276

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
78	73	73	74	74

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
83	83	83	82	80

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response : 24

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
166.96	125.53	244.13	208.74	184.73

Number of computers

Response : 395

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

The Hirasugar Institute of Technology (HSIT) is affiliated to Visvesvaraya Technological University (VTU), Belagavi, Karnataka. The HSIT makes all necessary efforts to ensure effective curriculum delivery and well documentation of all plans & activities. Following are the flow of activities to ensure effective curriculum delivery.

- Normally the Odd-semester of University commences in the first week of August & Even-semester commences in first week of February.
- Academic activities are conducted in well spaced & ventilated class rooms with modern teaching equipments like LCD projectors for effective teaching-learning process.
- Distribution of work-load for next semester is done soon after the end of current semester based on expertise and choice of faculty.
- Preparation of Institute Calendar of Event (COE) depicting academic and other activities planned for the semester in line with university academic calendar.
- Preparation of Time-Table of all departments and ensuring the display of the same at least one week before the commencement of each semester.
- All Teachers prepare the teaching plans in line with academic calendar.
- Teachers prepare subject notes according to curriculum of Visvesvaraya Technological University.
- Teachers prepare the course plan of each course which includes Syllabus, Course outcomes, Course prerequisites, Course delivery plan, Assignment questions, and Results of previous two semesters. Course plan will be given to each student in the form of booklet every semester.
- Laboratory manuals are prepared for each Laboratory and distributed to the students during the beginning of each semester.
- Theory Internal Assessments (IA) are conducted in each semester centrally & Laboratory IAs are conducted at the department as per the scheduled dates.
- Student's performance in the Internal Assessment & percentage of attendance after every Internal Assessment is communicated to parents through SMS. Poor performers in the internal assessment are counseled by individual course teacher & also at the Department level.
- Remedial classes are conducted to slow learners for different courses.
- Special lectures/invited talks are arranged regularly by eminent academicians & Industry persons.
- Student's feedback is collected twice in semester on teaching learning process & analyzed for improvement.
- Group of 10-15 students are allocated to each teacher for mentoring & mentoring is done on regular basis.

File Description	Document
Any additional information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 7

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	1	2	0

File Description	Document
Details of the certificate/Diploma programs	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 17.47

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	4	2	1	0

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 83.33

1.2.1.1 How many new courses are introduced within the last five years

Response: 5	
File Description	Document
Details of the new courses introduced	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented	
Response: 100	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.	
Response: 6	
File Description	Document
Name of the programs in which CBCS is implemented	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years											
Response: 19.24											
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years											
<table border="1"> <thead> <tr> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> <th>2013-14</th> </tr> </thead> <tbody> <tr> <td>313</td> <td>492</td> <td>120</td> <td>38</td> <td>148</td> </tr> </tbody> </table>		2017-18	2016-17	2015-16	2014-15	2013-14	313	492	120	38	148
2017-18	2016-17	2015-16	2014-15	2013-14							
313	492	120	38	148							
File Description	Document										
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document										
Any additional information	View Document										

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum
Response:

The efforts made by the institute to integrate the cross cutting issues such as Gender, Environment and Sustainability, Human Values and Professional Ethics into the curriculum are as given below.

Gender related initiatives:

- For prevention and prohibition of sexual harassment at work place and women's grievances, institute has Women Empowerment Cell to address the sensitive issues regarding the student's rights and security.
- Equal opportunities are provided to both genders in terms of Employment, Training programmes, Sports activities etc. to ensure gender equality in the institute.
- Both girls and boys actively participate in various co-curricular activities such as Paper presentations, Organization of paper contests, Group discussions and Technical events.
- The institute yearly organizes events on women empowerment like poster presentation and speech competition etc.

Environment & Sustainability:

- Students study a compulsory course on Environmental Science and Engineering as a part of VTU curriculum. This addresses awareness related to environment issues.
- Topics related to environment issues are taken up for quiz and debates in the departmental activities.
- Awareness programmes are organized by NSS Unit, which extensively carry out activities for Environmental protection, Wild life conservation and Ecological preservation.
- Students are inspired to resolve the issues related to environment through their projects.

Human values and Professional Ethics:

- Many programs have been organized by Institution from eminent personalities in association with other organizations to make our students better citizens.
- World Yoga Day is celebrated on 21st June at the institute and yoga camps are arranged for students regularly.
- Institute regularly celebrates Birth anniversary of great personalities meaningfully and arranges Blood donation camps in association with Red Cross Society, Traffic rule awareness program, etc.
- In order to ensure holistic development of the students, VTU has incorporated the course "Constitution of India & Professional Ethics" in the curriculum.

File Description	Document
Any Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 6

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five

years	
Response: 6	
File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document

1.3.3 Percentage of students undertaking field projects / internships	
Response: 31.91	
1.3.3.1 Number of students undertaking field projects or internships	
Response: 322	
File Description	Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise A. Any 4 of the above B. Any 3 of the above C. Any 2 of the above D. Any 1 of the above Response: A. Any 4 of the above	
File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: B. Feedback collected, analysed and action has been taken

File Description	Document
Any additional information	View Document
URL for feedback report	View Document



Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 8.79

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
45	66	93	151	175

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 84.35

2.1.2.1 Number of students admitted year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1009	1234	1205	1278	1198

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1416	1416	1416	1398	1380

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years**Response:** 60.93

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
294	258	354	377	362

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

Once the admission process is over, the students are counseled and their learning capabilities are analyzed based on their performance in the first internal assessment. With the help of the marks scored in internal assessment, the students are categorised into the advanced and slow learners.

The advanced learners are motivated to participate in different competitions at college and university levels. Further these students are supported by providing them materials required for competition, books, and financial assistance. These students are encouraged to apply the projects for various funding agencies like Agastya Foundation (NGO) and KSCST. The institute has a best practice of identifying students who have secured highest marks in internal assessment and critical subjects and rewarding them with competitive exam books, GATE books and some reference books.

For slow learners, the institute is organizing remedial and tutorial classes to improve their learning abilities. Topic-wise /Module-wise Additional assignments are given to these students for improving their learning ability and writing skills. Further counseling by mentor and HOD is in practice to improve their performance.

File Description	Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio**Response:** 12.94**2.2.3 Percentage of differently abled students (Divyangjan) on rolls****Response:** 0.1**2.2.3.1 Number of differently abled students on rolls****Response:** 1

File Description	Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document

2.3 Teaching- Learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

Institute has adopted several practices which are exclusively student centric and also help them in experiential learning. These include Hobby/Mini projects, Student's seminars, Project seminars, Quiz competitions and Group Discussions etc.

Experiential Learning:

Students are encouraged to conduct experiments individually in the laboratories to realize the theoretical concepts. Students undergo industrial internships during vacation through institution. Industrial visits are organized regularly for better understanding of full scale working of Engineering processes and machineries. Students are supported to select projects to address community, industrial and environmental issues at final year level for better understanding of real time problems and applying Engineering knowledge for resolving.

Participative Learning:

Every department encourages students to participate in co-curricular activities like Mini/Hobby projects competitions and Seminars on innovations in Engineering and Technology. Also, every department organizes such events frequently through students associations. In addition to this the institute organizes HSIT Quest every year which is a National Level technical event. In addition to outside students, our students of all departments and all classes take part in this Mega Event. The events of HSIT Quest include Paper presentation, Circuit debugging, Technical quiz, Program coding, Trouble shooting, Robo-race competition etc. The institute is also providing financial support to the students for attending SRISHTI- a state level project competition organized by ABVP every year, and Conferences, Workshops at premier

institutions, which will help them to participate and learn cutting edge technologies and also update their knowledge on par with students of premier institutions. All departments form the project groups on merit basis, like each group consisting of slow learner, medium learner and advanced learner. The institute also conducts hands on workshop for students to enhance their learning skills. The learning method is made student centric through cooperative learning through Interdisciplinary projects.

Problem Solving:

The students are supported to take part in competitions like Smart India Hackathon organized by All India Council for Technical Education, New Delhi, and 'Anveshana' a project competition organized by Agastya International Foundation every year which enhances the problem solving ability. The institution provides platform for students to make use of modeling and simulation tools in the laboratories for solving complex Engineering problems.

File Description	Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 78

File Description	Document
List of teachers (using ICT for teaching)	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 13.64

2.3.3.1 Number of mentors

Response: 74

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

The Institute is equipped with state-of-art teaching aids to improve learning processes. The Institute has highly qualified and motivated staff and some of them have obtained their Masters/Doctoral degree from Institutes of national importance like IISc, IITs, and NITs. This helped the institute to adopt many innovational and creative ideas in teaching learning methods. A few of them are:

- Use of ICT in teaching and learning
- Teaching with working demo/models
- Teaching with charts
- Demonstration of Engineering Concepts through live projects.
- Organizing Expert talks from academicians/industry experts.

Based on these initiatives, students in the third year level are encouraged to take mini projects which boost their creativity and innovation. Also, final year students choose main projects which address technical and socio-economic issues. Interdisciplinary projects are most encouraged at all levels.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality**2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**

Response: 90.52

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 5.56

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	3	3	3	2

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 13.04

2.4.3.1 Total experience of full-time teachers

Response: 1016.75

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response: 17.47

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
5	4	2	1	1

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 9.71

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	8	8	6	6

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The institution adheres to university guidelines for continuous internal evaluation. However, the Institute has made following reforms in continuous internal evaluation system with various committees covering all areas. A few to mention are:

- Internal Quality Assurance Cell for ensuring the quality of the teaching learning system
- Conducting of Internal Assessments centrally on par with university semester end examination.
- Weightage of marks assigned for continuous evaluation of laboratory experiments

Meetings at all levels are being held regularly to cross check the functionalities of the various entities (students' performance, staff performance, and functions of various committees) discussed thoroughly and necessary action will be taken to ensure required modification/change/up-gradation in the particular system. The institute has developed rubrics (FCAR) for the evaluation of course outcomes and program outcomes. These values are evaluated based on the benchmark of the Institute and instructions will be given to the concerned coordinators for further improvement. If required necessary action will be initiated.

File Description	Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The Institute has well established mechanism for internal assessment of students' performance. In this regard HSIT in line with affiliated university guidelines conducts THREE Internal Assessment tests per semester. These are being conducted centrally and will be communicated to students well in advance through Institute's academic calendar of events.

After each of the IA examinations, the result will be communicated to students within a week. Grievances if any in IA result will be addressed by concerned subject teacher. Course wise counseling will be done for

students showing poor performance (slow learners) and also central counseling (HOD, Class Teacher, Mentor, and Course Co-ordinator) will be made to improve the performance of such students in subsequent internal assessments as well as semester end exam by affiliating university.

Besides internal assessments, five assignments (one from each module/unit) will be given to students. These assignments are evaluated and marks will be awarded. Finally, internal assessment weightage will be calculated based on overall IA and Assignments performance. Once the final evaluation is done, all students will be personally invited and allowed to go through their overall performance in internal evaluation.

File Description	Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

HSIT has a well established Grievance Redressal Cell. Besides the general grievances it also addresses grievances related to examination. Our staff members take utmost care of examination issues right from the beginning which includes the online filling, verification and submission of examination forms on university web portal. In order to handle semester end examinations smoothly and effectively, the institute has exclusively appointed department-wise examination coordinators who take care of both Internal (IAs) and External examinations (Practical & Semester End Examinations).

The examination related grievances include time bound evaluation of internal assessments, assignments, improper evaluation, revaluation & re-totaling and rectifications in the marks in the university exams. Though the results of semester end examinations are not in the control of Institute, grievances raised by the students are effectively communicated to affiliating university for needful actions. Besides this the issue is being closely monitored by dedicated staff member of the institute till it gets resolved. If delayed beyond expected time the examination section officials of our institute will contact the university officials and try to get the solution at the earliest. Once the solution is obtained from the university, the same is brought to the notice of concerned student without any delay.

File Description	Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The Institution has well designed calendar of events which is prepared in the beginning of every semester

by IQAC co-ordinator in consultation with HOI & HODs and in line with the University calendar of events. The events usually included in the calendar of events are Commencement of classes, Internal Assessment dates, deadlines for conduction of some activities at the department level (feedback analysis, Workshops/ expert talks, Mini-project/Main-project review meetings etc.), Government/ University/Local holidays which come in the duration of semester, tentative dates of practical & 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 to this dates of important events are reminded to concerned students through Institute/Department notice boards and by sending SMSs. For example internal assessments dates with detailed time table is displayed at least a week before their commencement.

Regardless of all our efforts, under some unavoidable circumstances which are unexpected at the time of preparation of calendar of events (like election holiday, sudden declaration of holiday by University/Government, Local events etc.) some of events are postponed/preponed. However, these are also managed very effectively and the events are successfully conducted at later stage by informing students and faculty through SMSs.

File Description	Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

The Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes(COs) are displayed in:

- Course Plan
- Departmental Notice Board
- College Website: <http://www.hsit.ac.in>
- Laboratory Manual
- Department Laboratories

Institute takes due care for informing POs, PSOs and COs to all the stake holders through meetings. Teachers understand POs, PSOs and COs thoroughly before delivering the courses to students. Teachers refer VTU syllabus to write COs of their respective course in the course plan and refer them while executing the teaching plan. Orientation programs help students to understand the POs, PSOs and COs. Teachers discuss POs, PSOs and COs of respective program and course with students during theory and practical sessions.

File Description	Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Course Outcomes (COs) of every course is assessed with respect to the set attainment as per Revised Blooms Taxonomy (RBT) level. The attainment level is set based on the students performance in the internal / university examination reflected in the result analysis of last three years. Attainment is measured in terms of actual percentage of students getting a set percentage of marks. If targets are achieved, then all the course outcomes are attained for the year of evaluation and the program is expected to set higher targets for the subsequent years as a part of continuous improvement. If the set targets are not achieved, then the program should put an action plan to attain the target in subsequent years.

Course outcomes are measured based on the individual marks obtained by the students against the maximum marks. Course Co-ordinator will set a target to achieve. If entire class crosses this target, the particular CO is attained. This process is carried out for the entire class and final CO (Course Outcome) attainment will be measured for the particular test. To calculate the CO attainment for a particular course in the semester end examination, target is set for the course. If number of students gets marks more than this target then CO is attained.

The courses are mapped with their relevant Program Outcomes (POs) & Program Specific Outcomes (PSOs) and their attainment is also measured. All calculations and the attainments are evaluated using the in-house developed tool FCAR (Faculty Course Assessment Report).

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 99.08

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 323

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 326

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 20

3.1.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	10	0	10	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 8.97

3.1.2.1 Number of teachers recognised as research guides

Response: 7

File Description	Document
Any additional information	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.13

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 2

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 75

File Description	Document
Supporting document from Funding Agency	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The institute has created and initiated following activities to promote innovations in the campus.

Vision Group on Science and Technology (VGST), Ministry of IT and BT, Government of Karnataka has catalyzed and promoted “Alternative Fuel Research lab and Simulation Computing Tools” for innovation. The Research Laboratory is equipped with following facilities:

- The Biodiesel Plant of capacity 10 liters per batch has been installed to produce Bio-fuel/Alternative fuel from Honge, Honne, Jatropa, Sunflower, Tumba, Thevesia, Algea etc.
- The Computerized Variable Compression Ratio (Engine set-up is installed to study the performance and combustion characteristics of the Biodiesel blends produced in the Laboratory.
- The Five-Gas exhaust gas Analyzer and Smoke meter installed to study the effect of emission in the exhaust gas after combustion.
- The budget provision has been made to procure latest version of MAT-Lab with SIMULINK for research centers.
- The Wind-tunnel has been installed to study the aerodynamics on the bodies.
- The e-Yantra Embedded System and Robotics Lab has been established in collaboration with IIT Bombay, MHRD, New Delhi.

Research platform:

Mechanical, Electronics & Communication, Electrical and Electronics Engineering Departments and Engineering Chemistry have been recognized as research centres by Visvesvaraya Technological University, Belagavi from the academic year 2018-19.

The e-Yantra Embedded System and Robotics Lab has been established in collaboration with IIT Bombay, MHRD, New Delhi through National Mission on Education through Information and Communication Technologies (NMEICT) to develop innovative projects in the Electronics and Communication Engineering Department.

The college has entered e-consortium with Visvesvaraya Technological University, Belagavi for online subscription scientific journals published by Elsevier, Taylor & Francis, Springer, IEEE-Xplorer and IETE.

Incubation Initiatives:

To initiate incubation activities at the campus, our college has submitted proposal for establishment of “New Age Incubation Network-NAIN” by Vision Group on Science and Technology (VGST), Ministry of IT and BT, Government of Karnataka and has been shortlisted for approval.

The college has received invitation for signing MoU with UNIVERSITY OF COMMONS, a Mindtree initiative for establishing ‘Social Innovation Lab’ of new age holistic learning eco-system.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 6

3.2.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	1	1	0

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards**Response:** Yes

File Description	Document
e- copies of the letters of awards	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years**Response:** 0

3.3.3.1 How many Ph.Ds awarded within last five years

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years**Response:** 2.34

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
17	66	33	35	23

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years**Response:** 0.51

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
19	7	6	2	4

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

- Our students continued their efforts to resolve Social, Agricultural and Industrial problems through their academic projects. Many projects are successful, rewarded, appreciated and received funds from Government and Non-Government Agencies.
- Our students project entitled “Flexible Seated Wheel Chair for Physically Challenged Poor Person” secured Third Prize in SRISHTI- 2016, State Level project exhibition held at CMR institute of Technology, Bengaluru on 6th May 2016.
- Our students in association with Murarjee Desia High School students designed a project “Low cost Tree Climbing Cycle” for Agriculture community under the guidance of Prof. Kushal Ambli and Prof. B. M. Dodamani and the same project has won Prize in project competition “Anveshana-2018” organized by AGASTA FOUNDATION on 26-28th Feb, 2018 at Shikshakara Sadan, Bengaluru.
- Five projects of our college are selected in Smart India Hackathon, organized by AICTE.
- Research activities of our institution in Bio-fuel/Alternative fuels production has certainly motivated farmers to grow Honge, Neem, Jatropha etc., which has great social and economic impact and sensitized students.

NSS wing activities:

- Recently, during “Demonetization on 8th November 2017” more than 100 volunteers of our NSS wing has conducted “One day Awareness program on Digital Transactions” on 23/02/2017 at Handigud village. The NSS volunteers also taught the villagers how to make transactions through their mobile using mobile Apps.
- The importance of digital transactions was taught to the staff and students of Urdu school in Sankeshwar on 5th December 2016.

Other activities:

- Dr. S.C. Kamate, addressed the students about the importance of enrolling their names in the electoral roll list on 26th January 2018. Also he motivated students and staff to cast their votes

without fail.

- Dr. S. C. Kamate and Prof. S. D. Hirekodi along with Nidasoshi Village Accountant have addressed students in the hostel about the importance of enrolling their names in the electoral roll list on 26th January 2018. Also he motivated students to cast their votes without fail.
- At various occasions, the eminent personalities including Scientists, Vice Chancellors, Judges of High court and Supreme Court, I.A.S officers, Poets, Environmentalists etc have visited the campus and addressed, motivated the students and Staff on contemporary issues.

His. Holiness. Shri. Shivalingeshwar Mahaswamiiji, President, SJPN Trust, Nidasoshi is continuously striving through his preaches and “Jnana Dasoha”, “Yoga Camps”, “Camps on Advanced Agriculture” etc for bringing reformation and prosperity in the neighborhood community.

File Description	Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 4

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3	1	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 131

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
19	37	25	29	21

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 99.11

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
964	1234	1205	1278	1198

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 88

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
22	14	23	25	4

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 18

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
3	2	5	6	2

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

All the physical facilities have been established for an effective teaching and learning system in the campus to comply with the AICTE and Visvesvaraya Technological University, Belagavi norms. The institute has a policy for creation and enhancement of infrastructure depending on the requirements of any change in the curriculum, student admission and introduction of any additional courses. The budget for this requirement is prepared in consultation with Heads of the Department, Principal and the proposal is subsequently submitted to the Governing Council and Board of Management for approval. Once it is approved, the same is implemented with the help of competent authority in the concerned area.

Details of adequate facilities available in the Institute:

a) Classroom, Tutorial Room, Drawing Hall and Laboratories facilities

Sl.No.	Particulars	Requirement as per AICTE Norms		Available in the Institute	
		Area in sq.mts.	No. of Rooms	Average Area in sq.mts.	No. of Rooms
1.	Class rooms	66	20	71	20
2.	Tutorial rooms	33	7	71	07
3.	Laboratories	66	40	88.65	40
4.	Workshop	200	1	807	07
5.	Computer Center	150	1	150	01
6.	Drawing Hall	132	1	175	01
7.	Library/Reading room	400	1	528	04
8.	Seminar Hall	132	3	163	04

b) Computing Facilities

Sl.No	Particulars	Required as per AICTE Norms	Available
1.	Computers	200	395
2.	Legal System Software	3	8
3.	Legal Application Software	20	21

4.	LAN & Internet	200	395
5.	Mail Server	Desired	Available
6.	Secured Wi-Fi Facility	Highly recommended	Available

- As per the guidelines of AICTE, along with above computing facilities, institute encourages students and staff to use open source software.

Institute has 50Mbps leased line (1:1) for the internet facility (BSNL) through LAN as well as Wi-Fi with more than 40 Hotspots spread across campus including hostel premises.

File Description	Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor), gymnasium, yoga centre etc., and cultural activities

Response:

For the overall development of students, the institution is providing adequate facilities for psychological and physical development. Exclusive infrastructure and human resource have been made available to promote indoor/outdoor games to motivate students for participation in various events. Institute has separate Yoga center with meditation and Gymnasium for the students and staff. The institute has cultural coordinator to promote the cultural activities in the institute and motivate students to participate in University/State/National level competitions. The institute provides financial assistance for all sports and games. Sports equipments of higher standard are provided generously. The outstanding performers in sports are honored and rewarded on the Institute annual day.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 24

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 70.82

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
89.94	114.13	183.78	124.50	137.46

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

The library is automated by Integrated Library Management Systems. The library is a member of DELNET and VTU consortium which provide web access to adequate number of books, Journals, Periodicals, Thesis and Dissertations. Transactions in the library are automated by using bar code reader. The following features can be accessed from Computer/Smart phone/Laptop within the campus.

- Digital accounting and circulation of books.
- Availability of books subject wise / Author wise.
- Access to the e-resources /NPTEL /Pro-Quest video lectures.
- Access to the e-Journals: IEEE, Springer, Taylor & Francis, Science Direct etc.

Details of ILMS:

Sl. No.	Name of ILMS software	Nature of automation (Fully/Partial)	Version	Year of Automation
1	e-LIB	Partial	7.8	2004
2	e-LIB	Fully	16.2	2017

- Total area of the library : **528 Sq.mt**
- Total seating capacity :**150**
- No. of Volumes: **35264**
- No. of titles: **9399**

Working hours (on working days, during examination days, during vacation):

Section	Open on Working days/Vacation	Open Before and During Examination (including Sunday)
Circulation Section	9AM to 5.30PM	9AM to 5.30PM
Reference Section	9AM to 5.30PM	9AM to 12PM (Midnight)
Periodical Section	9AM to 5.30PM	9AM to 5.30PM
Digital Library	9AM to 5.30PM	9AM to 5.30PM
Reading Hall	9AM to 5.30PM	9AM to 12PM (Midnight)

File Description	Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment**Response:**

Staff and students use the facility of accessing e-journals as well as the reprographic facilities in order to meet their requirements. In regular interval, the librarian collects the recommendations of books for central library from the HOD and faculty members. Also, the librarian places orders for all required books as per the needs of the curriculum. A separate arrangement in the library is done for easy access of the same. Every year enough number of rare books, special reports and other knowledge resource have been added to library collections to meet the requirements of the all the stake holders of the Institute.

Name of the book/manuscript/ Special report.	Name of the author	Name of the publisher	Year of publishing	Number of copies	
Manaviya Chintanegalu (Kannada)	Dr. Gurupad Mariguddi	“Shri. Nijalingeswar Granth Male”, Shri Duradundeshwar Siddha Saunthan Math, Nidasoshi.	2015	36	
Gate Book-2019	-	G.K.Publications	2018	4	
Hand Books	-	G.K.Publications	2018	3	
Basic facts of general Knowledge	V.V.K.Subburaj	Sura Collage of Computation, Kolkata	2000	4	
The new millennium general knowledge	HRK & HRS	Sapna book house, Bangaluru	2000	5	
Ramakrishna Mahima	Akshay Kumar Sen	Ramakrishna, Nagapur	2000	8	
Industrial Transformers	M.A.Spurway	Newnes, London	1998	6	
Jnanda Baladinda	Dr. D. V. Puranik	Nijalingeswar Math, Nidasoshi	2002	10	
C.C.A.Rules	B.Kantraj	Government employees publication	2010	7	

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 12.15

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
7.24	8.97	7.10	22.47	14.99

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 22.08

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 240

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Institute upgrades the IT facilities as per the requirements and the norms prescribed by AICTE and University time to time. The Internet bandwidth has been upgraded as per the requirement with secured Wi-Fi throughout campus including hostel premises. The total bandwidth is divided for all the computers through LAN and Wi-Fi hotspots. The up gradation of internet bandwidth is as follows:

Bandwidth Upgradation Details:

Academic Year	Bandwidth support	Nature of Connection
2017-18	50 Mbps	Leased Line with 1:1
2016-17	32 Mbps	Contention ratio over OFC
2015-16	30 Mbps	
2014-15	12 Mbps	
2013-14	8 Mbps	

Details of Computer Systems:

Processor	Pentium-IV	Dual Core	Core2 Duo	Core i3	Core i7	Xeon	Thin Client
Qtyà	101	28	148	90	02	10	16
Configuration	RAM: 512MB 2GB, HDD:	RAM: 2GB, HDD: 250-300 GB	RAM: 2GB, HDD: 250-300 GB	RAM: 2GB-8 GB HDD:	RAM:8GB, HDD:500 GB	RAM: 512MB-8GB, HDD:	BLX

180-250 GB		250-500 GB	180-300 GB
Total number of Computers: 395			

1. Number of Printers in the Institute: **32**

2. Details of Software's:

System Software			
Sl.No.	Particulars	Qty	Year of Establishment
1	Windows 10 Pro	50	2016
2	Windows 8.1 Pro	80	2013
3	Windows 2008R2 Server	05	2012
4	Windows 7 Pro	30	2011
5	Windows XP	01	2006
6	Windows Server 2003	05	2006
7	Windows ME	01	2002
8	Windows NT	05	2001
APPLICATION SOFTWARE			
1	Cadence	01	2017
2	E-Lib	01	2017
3	E-Class	01	2015
4	Mi Power	01	2014
5	Auto Desk	01	2014
6	MS Office 2010	30	2011
7	Visual Studio 6.0	01	2011
8	Edge Cam 2014 R1	01	2009
9	Ansys R11	25	2009
10	Turbo C++	01	2006
11	Solid Edge V19	60	2006
12	CC Studio	01	2005
13	Micro Wind	01	2005
14	Xilinx	01	2004
15	E-Lib	01	2004

16	Shri Lipi	01	2002
17	MS Office 2000	01	2001
18	Oracle 8i	05	2001
19	Turbo C++ (for CSE)	02	2001
20	Catia	05	2001
21	Cadem	05	2001

Details of Networking Equipments

Sl.No.	Particulars	Qty	Year of Establishment
1	Aruba AP-105 Access points	04	2015
2	CISCO 3560 Core Switch	01	2011
3	CISCO 2960 Manageable Switch	06	2011
4	Fortigate-310B Firewall	01	2011
5	Aruba-650 Access Controller	01	2011
6	Aruba AP93 Access Points	32	2011
7	CISCO 2800 Router	01	2006

File Description	Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio

Response: 2.55

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes	
File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years				
Response: 34.71				
4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)				
2017-18	2016-17	2015-16	2014-15	2013-14
70.11	56.31	55.42	71.50	54.98
File Description	Document			
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document			
Audited statements of accounts.	View Document			
Any additional information	View Document			

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.
Response:
Physical and Academic Facilities
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 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: Digital library is used by staff and students for research and enrichment of knowledge. Reading rooms are used by staff and students for general reading.

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.

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 buses running between nearby towns and the Campus to bring the students.

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: RO water plants with 2500 liters/hour capacity are installed in the campus for the benefit of staff and students in hostels and campus.

Garden

Maintenance: The college garden is well maintained by garden staff.

Utilization: The Garden is utilized by all stake holders of Institute.

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 51.22

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
808	584	682	816	99

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 0.74

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	11	7	9	10

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3. Soft skill development
- 4. Remedial coaching
- 5. Language lab
- 6. Bridge courses
- 7. Yoga and meditation
- 8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 81.74

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1009	1209	472	1197	933

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 1.84

5.1.5.1 Number of students attending VET year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
10	41	16	36	9

File Description**Document**

Details of the students benefited by VET

[View Document](#)

Any additional information

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response:** Yes**File Description****Document**

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)

Any additional information

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 51.46

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
118	110	234	223	111

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 3.41

5.2.2.1 Number of outgoing students progressing to higher education

Response: 10

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 67.67

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	4	6	5	5

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
84	5	8	6	5

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

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) during the last five years.

Response: 0

5.3.1.1 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-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

HSIT is committed for the overall development of 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 is 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 prohibit ragging 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. LEAD Cell: HSIT has active Lead Cell which works in association with Deshpande Foundation, Hubballi. Aims at developing leadership and Entrepreneurship skills, Emphasize rural development, bring positive changes in the society etc.

4. 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.

5. 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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 31.6

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
40	39	29	25	25

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The greatest asset of any institute is its alumni. A good institute can measure its growth by its alumni base. Our Alumni are performing extremely well at various places and positions around the globe. Alumni are the most important stakeholders of our Institute. 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 graduated student is enrolled for life time membership and can become a member by completing registration process.

Alumni Association HSIT has organizational structure as President, Vice-Presidents, Secretary, Joint Secretary, Treasurer and Members. It has a total of 17 members in 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.

So far Alumni Association of HSIT has organized FIVE alumni meets in the campus, one each at Bengaluru and Pune successfully. Alumni meet provides them the platform to share their past and present experiences as well as recall 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 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.

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: ? 5 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 7

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	1	2	2	0

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

Vision:

“To be a preferred institution in Engineering Education by achieving excellence in teaching and research and to remain as a source of pride for its commitment to holistic development of individual and society”

Mission:

“To continuously strive for the overall development of students, educating them in a state of the art infrastructure, by retaining the best practices, people and inspire them to imbibe real time problem solving skills, leadership qualities, human values and societal commitments, so that they emerge as competent professionals”

Nature of Governance:

The Institution is run by His. Holiness. Shriman Niranjan Pancham Shri. Shivalingeswara Mahaswamiji of Siddha Saunsthan Math, Nidasoshi, purely on charity basis. His. Holiness. Mahaswamiji of Siddha Saunsthan Math, Nidasoshi is the Sole Trustee and President of SJPN Trust, Nidasoshi. The President appoints the Advisory Committee, selecting seven people from different walks of life for a specified period. The advisory committee provides quality inputs and suggestions for the administration of the Trust/Institute during its monthly meeting. Day to day decisions are taken at the Head of the Institute Level. At department level Head of the Department receive instructions from HOI for timely implementation of decisions of the management.

The Governing council of Institute is constituted as per AICTE guidelines from time to time. Two members from teaching faculty, one is of the Professor cadre and other of the Assistant Professor cadre are nominated on the Governing Council of the institute. Through this platform teachers suggest their views in the major administrative decisions of the management.

Perspective Plan:

The Institute has a perspective plan for development for next five years in line with the vision and mission of the institute. It addresses the issues from the stake holders perspective and takes steps to fulfil their requirements.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

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 Principal. Day-to-day academic activities of the departments are taken care of by the respective HODs. Principal conducts meeting with all HODs/Convener at department level. HODs / Convener 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 Decentralisation 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 & 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 practicals 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 in the Institute. The institute encourages teachers, students, parents, employers, alumni, staff, class coordinators and class representatives to share their ideas, opinions, suggestions. The inputs received from various stakeholders of the institute are reviewed and those which are in line with our institute's Vision and Mission Statements will be considered for the decision making.

File Description	Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Perspective Plan:

The institute has designed its perspective plan for next five years as below,

- To establish Research Centre in the three departments recognized by Visvesvaraya Technological University, Belagavi from the academic year 2018-19.
- To obtain the accreditation from competent authorities like NAAC and NBA by 2020.
- To establish the Centre of excellence in the respective area by signing MOUs with reputed industries/Organizations.
- To prepare for listing in National Institutional Ranking Framework (NIRF) with high ranking.
- To strengthen the teaching learning process by procuring high quality sophisticated equipment's through funding from Government/Non-Government organizations for enhancing research and consultancy.
- The institute will work for establishing and developing Incubation Centre to guide and support the prospective entrepreneurs.

Case Study

Hirasugar Institute of Technology has organized "NBA-SAR filling and Preparedness for Assessment" in Collaboration with Engineering Staff College of India, Autonomous Organ of The Institution of Engineers (India) from 15th - 17th September 2017. The programme was planned for 30 participants, where as 52 members have participated from within & outside states.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document
Strategic Plan and deployment documents on the website	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The President & Advisory Committee:

His. Holiness. Shriman Niranjana Pancham Shri. Shivalingeshwara Mahaswamiji is the Sole Trustee & President and is the apex authority in the hierarchy. The Advisory Committee is the administrative body. The Principal is the head of the organizational structure at institute level and he is responsible for the day to day functioning. The flow of administrative decisions are explained in the organization chart.

Governing Council:

Governing Council is constituted as per AICTE guidelines from time to time and is the Institute level administrative body.

Principal:

The Principal is having reasonable autonomy to take financial decisions in consultation with the management, pertaining to procurement of lab equipment, funding seminars, workshops, departmental expenditure.

Head of the Department:

Decisions pertaining to academic matters are decentralized to a large extent. Allotment of subject, work load, monitoring of syllabus coverage, planning and organizing seminars Guest lectures, Workshops, Industrial tours, Staff orientation programs, Remedial sessions, Personality development programs, Project works etc are also organized as per the instructions of the HOD.

Service Rules:

The Trust/Institution has its independent service rule book approved by management. It firmly follows the service norms of VTU Belagavi and Government of Karnataka and AICTE, New Delhi. The working hour in the institution is 8 hours. The Teaching and Non-teaching faculty have the benefits of PF, Casual Leaves, Earned Leave, Restricted holiday, Leaves and Maternity leaves etc.

Appointment of Staff Members :

Advertisement is published in all leading news papers for recruitment and staff members are appointed as per norms of the VTU Belagavi and AICTE, New Delhi from time to time.

Promotional rules:

All eligible employees are promoted as per the norms of VTU, Belagavi, AICTE, New Delhi and Government of Karnataka, depending upon qualification, professional experience and Self-appraisal.

Grievance Redressal Mechanism:

In order to ensure transparency in imparting technical education and with objective of preventing unfair practices and to provide a mechanism to students for redressal of their grievances, **Grievance Redressal Committee** is formed under Clause 1 of Section 23 of the All India Council for Technical Education, Act, 1987.

The Objectives are

- 1.To develop an organizational framework to resolve grievances of the Students and other Stakeholders.
- 2.To enlighten the students on their duties and responsibilities to access benefits.
- 3.To investigate the reason of dissatisfaction and ensure swift and effective solution to the grievances of Students and other Stakeholders.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

- A. All 5 of the above
- B. Any 4 of the above
- C. Any 3 of the above
- D. Any 2 of the above

Response: D. Any 2 of the above

File Description	Document
Screen shots of user interfaces	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

The Principal conducts the meeting of following committee, the convenor of respective committee calls the meeting and maintains minutes of meeting (MoM). Every committee will be assigned with specific tasks pertaining to the requirements of conducting institute Events. Conveners of the various committees monitor the work execution.

All the conveners and members of respective committees are required to frame roles, responsibilities and functions of the committee.

The Various Committees are,

1. Internal Quality Assurance Cell (IQAC)
2. Research & Development Committee
3. Admission Committee
4. Examination Committee
5. Library Committee
6. Staff Performance Appraisal Review Committee
7. Student Welfare Committee
8. Sports & Cultural /NSS/Extra Curricular Activities Committee
9. Anti-Ragging Committee
10. Anti-Ragging Squad
11. Internal Complaint Committee (ICC) /Anti-Sexual Harassment Committee
12. Grievance Redressal Committee
13. NBA Quality Assurance Committee
14. Publicity/Advertisement/ Institute Website updates committee
15. Discipline Committee
16. Institute Maintenance Committee
17. Hostel Committee
18. Training & Placement Cell
19. Entrepreneurship Cell
20. Alumni Association
21. Institution –Industry Interaction Cell(IIC)
22. SC/ST Cell
23. ISTE Chapter

24. IEEE Cell/Chapter
25. Institute of Engineer Committee(IE)
26. Automotive Society of India
27. KSCST Committee
28. NAAC Committee
29. Women Empowerment Committee
30. Minority Cell Committee
31. OBC Cell Committee
32. Weekly Academic Review Committee (WARC).

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

List of welfare measures supported by the institute for Teaching and Non-teaching staff:

1. Faculty members are supported for higher studies in the fields of specialization in reputed institutes and University.
2. Group insurance scheme for both teaching and non-teaching staff.
3. Maternity leave for lady faculty members.
4. Medical Leave for all eligible staff suffering from chronic diseases.
5. Various leaves available to teaching and non-teaching staff are Vacation Leave, Casual Leave and Earned Leave.
6. Employee Provident Fund facility for teaching and non-teaching staff.
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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 50.15

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
61	28	21	16	62

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**Response: 1.8**

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	2	1	1	1

File Description	Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years**Response: 85.81**

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
78	73	36	59	74

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

I. Teaching Staff:

- The institute maintains Service book, which records the Information of the teaching staff, like date of appointment, date of birth, educational qualifications, identification, address details, date of increments, pay revision etc. are carefully included in this book.
- The college has adopted well designed performance appraisal system. Every teacher has to submit annually **self-appraisal form** (Academic Performance) duly forwarded by the HOD to the HOI. Assessment of the teachers by the HOD includes information related to the teaching-learning process, syllabus coverage, university result, feedback from the students, pedagogical initiatives and achievements in teaching duties, R & D, Consultancy, publications of research papers, books, etc.
- Every teacher is provided a copy of annual self appraisal form. He/She submits his/her annual transactions in the Performa with self assessment score to the concerned head of the department for scrutiny and verification. The respective HoD after verification of self assessment score with supportive documents submits to principal with his clear recommendation. Then the Principal and Secretary of Trust in presence of respective HOD invites the concerned faculty to support/defend his/her scores in the annual self assessment report. Based on the score suitable action of promotions, demotions and award/reward are decided. The effective date of assessment for appraisal is 1st November to 31st October of every year.

II. Non-Teaching staff:

College office collects Confidential Report (CR) from respective head of the department about the performance of non-teaching staff for performance assessment. Based on the CR evaluation suitable action are initiated.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Budget for the next academic year is prepared in the current academic year during Month April to March every year. Budgets and compliance to budgets, financial data are closely monitored in the institute and financial governance is strong. Every department/section make their plans (academic calendar & budget) based on the key requirements (work items) as defined in the institutional processes as well as the goals set for the year. Institute is required to use the financial resources against the budget provision and financial power given to the Principal.

1. The institution has a mechanism to monitor available financial resources. The budget requirement of all department/ sections is submitted to Principal's office.
2. The items required along with their quantity are justified by respective HODs/section in-charges along with submitted budget.
3. The efficient use of financial resources is done by providing the finance required to procure the items which are need based requirements from the departments/sections.
4. The financial resources of the college are managed in a very effective and justified manner. The following three types of accounts are created; Receipts & Payment Accounts, Income & Expenditure Accounts, Balance Sheets each and every transaction is supported by the vouchers.

All the funds are deposited in the bank and all bills on recurring & non-recurring expenses are disbursed through cheque payment. Duly authorized persons can only operate the bank account.

External Audit: External Audit is done by the Chartered Accountant for every financial year. The accounts of the college are subject to audit by the external approved Chartered Accountant.

Internal Financial Audit: Internal financial audit is the continuous process and is monthly done by Accounts department of the Institute. The Accounting software, 'Tally' is used to manage the entries of day to day transactions. The expenditure incurred on all heads of accounts are read and approved in the monthly meeting of Advisory Committee meeting of the Trust.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 0.59

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.097	0.10835	0.1296	0.12804	.12701

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

The main source of the fund for the institute is tuition fee collected from the students. In addition to this Government supports all eligible students in terms of merit scholarships. Revenue is also generated from consultancy. Charges for conducting online/offline examination from outsiders. Since the institute is a self-financing institution, funds so generated are used for salary and other day to day expenditure of the institution. Operating expenses include salary paid to Teaching and Non-teaching staff and non-salary expenses comprise of purchase of equipment, infrastructure development, maintenance, furniture & fitting work, repair and its maintenance, office expenses, printing & stationary and other miscellaneous expenses, etc. The funds are utilized in accordance with the budgetary provisions made with prior approval by the Management.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

IQAC cell has initiated many of the activities as mentioned below, For example

- International Conference was organized on Recent Innovations in Science, Engineering & Technology held on 18/05/2018 to 19/03/2018.
- One day Awareness Workshop on NAAC held on 16/03/2018.
- Faculty Course Assessment Report (F-CAR): Course wise Result Analysis tool called The F-CAR gives the complete assessment of each course taught by course coordinator. The results like

assessment of course outcomes mapped with program outcomes and percentage of CO attainment, PO attainment and passing percentage with different grade points of individual students.

- Continuous Assessment Record (F-CAR) sheet of Laboratory: The continuous assessment record sheet maintains the record of experiment wise date of performance.

File Description	Document
Any additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Institute has established Internal Quality Assurance Cell (IQAC) on 10th March 2018 for quality assurance, sustainance, enhancement and standardization. The activities conducted in the institute are as per the norms and guidelines of different statutory bodies. Institute has adopted some of the best practices which have helped to monitor and report all the activities to promote transparency and student centric approach in the institute. For example,

Implementation of Online Feedback:

To ensure the quality of teaching and the learning level difficulties, institute has developed two tier feedback systems. It is a kind of satisfaction survey from the students for teacher regarding every individual subject they are teaching in the particular semester. For the effective implementation the institute has developed its software 'Smart Tool' for Online College Management to take online feedback from the students.

All the students studying in the particular class submit their feedback on all the courses taught in a particular semester. It is ensured that minimum 80% students of the class participate in the online feedback. Depending upon this feedback 'average percentage' for the individual subject and teacher is calculated and if teacher has less than 85%, then he/she is advised to improve in their teaching methodologies. The feedback is taken twice in a semester to ensure satisfaction of the students and to assure consistency of quality delivered by the teacher.

File Description	Document
Any additional information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 13.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
24	15	13	12	04

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Academic activities are conducted by following Calendar of Events (COE) in every semester. Institution is in the process of submitting application to NAAC and NBA for accreditation.

- Institute is participating in National Institutional Ranking Framework (NIRF) ranking.
- Publishing newsletters and Technical Magazines.
- Supporting teachers for attending STTP, FDP, workshops, seminars etc. with financial support.
- Motivating the students to involve in academic activities as well as co-curricular and extracurricular activities.

In the process of best practice institute is honoring Best Boy and Best Girl award every year. Institute conducts soft skill training for the overall development of students so that; they can be selected on campus placement. Institute is having mentoring system for overall academic improvement of the students. Departmental association is conducting activities every year. The events like Group discussion, Innovative idea projects, Faculty development programmes etc.

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 14

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	3	4	3	2

File Description

Document

Report of the event

[View Document](#)

List of gender equity promotion programs organized by the institution

[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

The Institute organizes special programmers for gender sensitization. The institute is following an open and transparent system of selection purely based on merit for recruiting whether male or female. The staff selection is carried out through an open advertisement followed by presentation interview/test respectively. The institution has highly secured ladies hostel under the supervision and control of senior lady faculty as warden. The ladies hostel warden stays in the staff quarters and provides round the clock service to the students. It can be stated with due pride that in the institution the incidents of sexual harassment of women students are nil due to the discipline in the campus. The campus is proved to be very secure due to its well-maintained security system. The management is very concerned about health and security and thus provided with a vehicle to attend any kind of emergency. A lady doctor is available between 5-7pm every day at ladies hostel. The Maternity leaves are provided as per institute rules. We organize workshops for stress free life (Yoga, Spiritual speeches) by the selected resource persons. Faculty counselors are always available to counsel the students. Separate common room for girls is available.

7.1.3 Alternate Energy initiatives such as:**1. Percentage of annual power requirement of the Institution met by the renewable energy sources****Response:** 29.96

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 102673.8

7.1.3.2 Total annual power requirement (in KWH)

Response: 342674

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs**Response:** 35.71

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 17373.27

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 48650.85

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:**Solid waste management**

Waste from kitchens, messes, canteens and leftovers are identified and collected separately. These wastes along with bio-mass available from the campus after grazing trees and lawns are taken for composting. The manure so produced is utilized for maintaining vegetation in the campus.

Paper waste, cardboards, carton boxes, used files etc. are sold to external agency for recycling after frequent intervals. The remaining waste from workshop is sold out.

Liquid waste management:

Remaining organic waste from sanitary annexes of staff quarters, hostels and institute's premises is collected using severing line.

E-waste management

Different types of e-waste generated in the institute like damaged CDs, CPUs, Hard Disk Drives, Monitors, Keyboards, Cables and Cartridges etc. are collected together from all departments and handed over to an external e-waste recycling agency.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rainwater Harvesting is a simple technique of catching and holding rainwater where its falls. Either, we can store it in tanks or we can use it to recharge groundwater depending upon the situation.

Our institute prefers second method, since campus has natural rainwater harvesting structure for all the buildings. The rainwater is accumulated in to the natural lake which is located North-west in the campus and deposited to increase the underground water level. The roof water from building is directed to a lake and is stored for long time. The surface water of the entire campus is directed towards the lake. Because of this the underground water level has increased and the bore wells and open wells are charged. With these initiatives even in summer, the institution maintains lush green campus with beautiful plants and trees and do not suffer from any water crises.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- **Students, staff using**

- a) **Bicycles**
- b) **Public Transport**
- c) **Pedestrian friendly roads**
 - **Plastic-free campus**
 - **Paperless office**
 - **Green landscaping with trees and plants**

Response:

HSIT seeks to make “Green Practices” an integral part of its campus life and taking care of environmental resources through a blend of academic and experiential learning.

Transport:

HSIT campus is residential and offers accommodation to both students and faculty at subsidized rates. Currently, over 50% of the students avail the hostel facilities available in the campus, 10% stay in the vicinity of the campus, 10% of the students avail the bus facility run by the institute and the remaining 20% avail public transport or bike pools. 10% of the staff members stay in the campus and remaining staff prefer to opt for public transport. Therefore, the carbon footprint of the entire institute is relatively less.

Walkways and Pedestrian Friendly Roads:

The campus areas have been designed with the concept of open spaces including roads, jogging trails and lawns. The natural landscape has been preserved while accommodating the demand to use these venues actively for gatherings, ceremonies and recreation. There is a clear pedestrian connection through all campus roads and adequate parking facilities.

Paperless Office:

A culture of reuse and recycling has been actively advocated throughout the campus. Several initiatives have been implemented to significantly limit paper traffic such as cashless transactions, multi user printer at central administrative locations of the institute office and at department levels, circulation of documents and notifications through electronic mail. SMS student monitoring is done using software RoboVidya in which we maintain daily attendance of student, personal information like contact details of student as well as parents.

Green Landscaping with Trees and Plants:

Tree plantation is the major concern of the management to maintain the pristine purity and beauty of the college to provide a congenial atmosphere for the academic and non-academic pursuits. Areas are assigned to NSS Volunteers and the departments for Planting, Watering, Weeding and Maintaining the plants, greens, herbs and trees.

File Description	Document
Any additional information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years**Response:** 9.42

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
23.94	0.05	0.05	15.16	46.99

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above**B. At least 6 of the above****C. At least 4 of the above****D. At least 2 of the above****Response:** C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 40

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	13	8	6	6

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 12

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	3	1	1	1

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 28

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	9	4	5	6

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Institution Organizes National Festivals, Birth and Death Anniversaries of great Indian Personalities.

Thus we do celebrate all National festivals and Birth and Death Anniversaries of many great Indian personalities. Like:

- **Republic Day**

Institute celebrates Republic day on 26th January of every year on grand scale and Principal addresses the audience. Flag is hoisted by the auspicious hands of Principal. March past is done by security guards of Institute. Cultural programs displaying patriotism are performed. Speeches by students, staff and principal are delivered. Sweet distribution to students and faculties is done.

- **Dr. B.R. Ambedkar Jayanti**

Dr. B.R. Ambedkar Jayanti is celebrated on 14th April every year and his contributions of bringing parity among various sections of society are recalled. It is emphasized that in spite of tough times he faced he never gave up and achieved what seemed to be impossible. His great contribution to the nation including 'Constitution of India' various reformatory enactments passed by the parliament in his tenure as minister of law Government of India, Number of other books authored by him, various agitations led by him are narrated to the audience.

- **Basava Jayanti:**

Basava Jayanti is celebrated every year and his contributions of bringing parity among various sections of society are recalled. Basava philosophy and his preaching for equality are recalled. The great contribution of Mahatma Basaveshwar in providing social justice are taught.

- **Independence Day**

Institute celebrates Independence day on 15th August annually on grand scale and Principal addresses the audience. Flag is hoisted by the auspicious hands of Principal. March past is done by security guards of Institute. Cultural programs displaying patriotism are performed. Speeches by Students, Staff and Principal are delivered. Sweet distribution to students and faculties is done.

- **Gandhi Jayanti**

Birth anniversary of Mahatma Gandhi is celebrated on 2nd October every year with lot of spirit and joy. Contribution of the great leaders in the movement of Independence is commemorated. Their values and love for the country are recalled. Various incidences proving their greatness are shared with the audience. Students, Staff, and Management representatives grace the function.

- **Teachers Day**

Birth Anniversary of Dr. S Radhakrishnan, the great philosopher, teacher and second President of India is celebrated on 5th September of every year with great enthusiasm. He is a great inspiration to every teacher. Students greet teacher on this occasion and express their gratitude to their beloved teachers.

- **Engineers Day**

Birth Anniversary of Sir M. Visvesvaraya is celebrated on 15th September every year as Engineers day meaningfully. His technological contributions are shared with students.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:**Academic Transparency**

- Workload & academic calendar is made known to teachers in advance.
- Monthly reviews of performance and attendance are taken. Defaulters are identified and heard.
- Decisions of weekly HOD meeting are communicated to all.
- Various parameters of assessment of IAs and individual credits are displayed.

Administrative Transparency

- Details of all activities/charts/norms/policies are displayed on the website.
- Teaching feedback is made known to respective teacher.
- Every employee is heard before finalizing the appraisal by reviewing authority.
- An open ended system is followed where in any stake holder can reach any authority and represent under critical circumstances.

Financial transparency:

- Involvement of faculties and Heads in Budget preparation.
- Purchase committee invites quotations' for all purchases worth rupees more than 50000/-.
- Policy for use of 'Staff and student welfare fund' is made known to everyone.
- Periodic auditing is carried out.

Auxiliary functions:

While conducting various programs such as STTP/STPs/FDPs/ Counseling programs/Career guidance programs/Exhibitions/ Technical events are given wide publicity so that all aspirants in society can participate.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:****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, Maharastra 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 last five years, 76 Polytechnics and 951 students across the state have participated and prizes more than Rs. 2 Lakhs 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 last five years about 179 needy employees with loan amount of Rs.1.35 crores 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, Stationeries and Space.

Best Practice III:

Title: “Awarding Internal Assessment Toppers”.

Objectives:

- To create competitive environment.
- To enhance academic performance in University exams.

The Context:

To motivate the students to crack competitive exams.

The Practice:

Based on the Internal Assessment marks in every class, the first three toppers are awarded by competitive and academic books, prizes etc.

Evidence of Success:

It is observed that the more students are taking part in the competitive exams and some are succeeded.

Problems encountered and Resources required:

This practice has not encountered any specific problem. The financial resources required for the practice will be met by Departmental Associations.

File Description	Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

I. Financial ASSISTANCE to Merit Students.

Institute is run by SJPN Trust under the Holy Shrine of 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.

2017-18	2016-17	2015-16	2014-15	2013-14
7	11	7	9	10

II. 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.

File Description	Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

- VGST fund of Rs 20,00,000/- is sanctioned to Mechanical Engineering Department for establishing “Alternative Fuel Research lab”.
- A project entitled “Flexible seated wheel chair for physically challenged poor person” secured third prize in SRISHTI- 2016 project exhibition held at CMR Institute of Technology, Bengaluru on 6th May 2016.
- A project entitled “Propelling Tricycle using steering column” received National level best project award in Students Innovation Challenge held at International Society for Scientific Research and Development, Bengaluru on 21st May 2014.
- A project entitled “Smart Jack” received funding of 40,000/- from Govt. of Karnataka, VGST, Bengaluru during 2015-16.
- A project entitled “Vision based Analysis using Sixth Sense Technology” secured second place in National Level ISSRD Competition, Bengaluru held at BVBCET, Hubballi.
- More than 40 projects were sponsored by KSCST in last five years.
- More than 12% of faculty members are Ph.D. holders from different institutions including institution of national importance like NITs/ IITs & IISc.

Concluding Remarks :

The Hirasugar Institute of Technology, Nidasoshi started in the year 1996 by great saint and philanthropist His. Holiness. Shriman Niranjan Jagdguru Pancham Shri. Shivalingeswar Mahaswamiji, the Tenth pontiff of Shri. Durdundishewar Siddha Sousthan Math, Nidasoshi is growing by leafs and bounds and has successfully completed 21 years of service in field of Technical Education. It has created a strong base of its Alumni across globe. Many of our Alumni are working in key positions in Central/State Government/Public/Private sector organizations. To name a few, Mr. Kapeel Hukkeri, General Manager, Relience Power Industries, Mumbai, Mr. Gangadar Huddar, Scientist, BARC Mumbai, Mr. Prasad Borannavar, Scienst-E, DRDO, Bangaluru, Mr. Baliram Mutagekar, Vice-President, iNautix Technologies, Pune and Mr. Praven Jain, KAS officer. Many of our alumni are working in abroad also, to name a few; Mr. Premajeet R, Director, Oracle Ltd, USA, Mr. Basavaraj Naik, Project Lead, T&VS, Germany and Ms. Deepa Munnoli, Module Lead, Centurylink Inc, Monroe Louisiana, USA.

The Institution is continuously striving to provide Technical Education and sustain quality in academics by following best practices like implementation of CBCS in all courses, creating an research eco system to support R & D, through transparent Governance and Administration, retaining best people and practices and supporting students for placements.

Getting accreditation by NAAC, NBA and listed in the NIRF ranking are our present priorities to prove and demonstrate our quality standards. The successes achieved and mile-stone reached really make us proud and feel that the dreams and desire of Mahaswamiji are realized.