SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

HIRASUGAR INSTITUTE OF TECHNOLOGY,NIDASOSHI

PRINCIPAL HIRASUGAR INSTITUTE OF TECHNOLOGY TAL-HUKKERI, DIST-BELAGAVI

591236

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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Lord Duradundeshwara was a great saint, social reformer and a saviour who survived and preached the people of this area for their well being and prosperity. Shri. Duradundeshwar Siddha Saunsthan Math, Nidasoshi, Belgaum District Karnataka was established at his Samadhi on 26th August 1765 by Adhya Nijalingeshwara, the staunch devotee of the Lord. The Shrimath has got 300 years of its glorious history, located in the rural environment of boarder area of Karnataka, Maharastra and Goa states. His Holiness Shriman Niranjan Jagadguru Pancham Shri Shivalingeswar Mahaswamiji is the 10th Peethadipati and is the present religious head of Shrimath. Lakhs of devotees are influenced by the religious tolerance and preachings of previous and present mahaswamiji.

Shriman Niranjan Jagadguru Pancham Shri Nijalingeshwar Mahaswamigal Trust Nidasoshi (SJPN) was established in the year 1983 by Shri Nijalingeshwara Mahaswamiji the 9th Peethadipati of Shrimath. Polytechnic was established in the beginning to provide skill based technical education to children of farmers of this part and other institutions in the subsequent years.

Hirasugar Institute of Technology (HSIT) Nidasoshi was established in the year 1996 to provide knowledge based Engineering Education, is permanently affiliated to Visvesvaraya Technological University, Belagavi. The institute is spread over on a lush green campus of 48.26 acres. The institute is accredited at 'A' Grade by NAAC in the 1st Cycle & all its programmes are accredited by NBA. The institute has received recognition under 2(f) &12B of UGC Act, 1956 by UGC New Delhi. Currently the institute offers following UG programmes approved by AICTE New Delhi:

1) Civil Engineering

2) Computer Science and Engineering

3) Electronics and Communication Engineering

4) Mechanical Engineering

5) Electrical and Electronics Engineering,

Ph.D programmes recognised by Visvesvaraya Technological University Belagavi Karnataka are offered by the institute in the following disciplines/areas:

1) Mechanical Engineering

2) Electronics and Communication Engineering

3) Electrical and Electronics Engineering

4) Computer Science and Engineering

5) Engineering Chemistry

In the last 5 years the Institute has received Rs. 80 lakhs funds for strengthening its research infrastructure from VGST, Govt. of Karnataka.

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"

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

The Institution is managed by the religious head Mahaswamiji of Shri. Duradundeshwara Siddha Saunsthan Math, Nidasoshi on charity basis.

- Highly qualified competent, experienced and dedicated teaching faculty with more than 95% retention and 1:14 Faculty student ratio
- State-of-art infrastructure, well equipped Laboratories and latest software and ICT tools.
- Student centric teaching learning with mentoring/counseling system in place.
- Strong and well connected alumni base.
- Proactive Training and Placement Cell, NSS & Red-cross and Women Empowerment Cell
- On campus staff quarters and hostels for boys & girls with hygienic food facility.
- 104 Mbps dedicated lease line internet connectivity with Wi-Fi campus.
- University has recognized our highly credible, experienced and senior faculty for its core and confidential works.

Institutional Weakness

- Difficult to establish linkages with international organizations and industries due to its rural location.
- Our student's intake is from rural, educationally, socially and economically backward.
- Limited scope for research, consultancy and start-up and innovations activities.

Institutional Opportunity

- Potential for getting grant in aids/funds from various funding agencies for strengthening its R& D facility.
- 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, Research and Development.
- Implementation of curriculum with Multidisciplinary, Interdisciplinary and Cross disciplinary concepts in emerging areas as envisaged in NEP-2020.

Institutional Challenge

- Enabling our students to compete with students studying in premier institutions.
- Attracting core companies for training and recruitment.
- Strengthening industry institution interaction, incubation, innovation and R&D.
- Attracting quality students for admissions with high rankings in CET, COMED-K and JEE.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Hirasugar Institute of Technology, Nidasoshi is a self financed/Un-aided Private Institute, affiliated to Visvesvaraya Technological University, Belagavi Karnataka. The institute has adopted the CBCS and OBE curriculum prescribed by the university as per the NEP-2020 for effective delivery of its academic activities. Being an affiliated college the institute has limited flexibility to modify its curriculum, and is bounden by norms/guidelines of University in the curriculum implementation. However enough opportunities are offered to students to opt electives of their choice and ensure them better career options.

The institute/department Calendars of Events (CoEs) are prepared in line with university schedule. Display of time-table, allotment of subject, workload, IA Tests is done by the respective HODs in consultation with Dean (Academic)/HoI. The institute has established mentor system to support and counsel slow learners. A blend of chalk and talk to ICT enabled e-content delivery methods are adopted to ensure better teaching learning process to happen. Weekly academic review is conducted by HOI at institute level and HODs at department levels to ensure timely completion of syllabus, conduct of IA Tests, Competitions, Seminars and Project related works review etc.

A structured feedback from the stakeholders is collected at the end of every semester and is analysed thoroughly. The report of analysis is placed before the appropriate authorities for mitigating the gaps/shortfalls identified. The curricular gaps identified are reported to university through proper channel for needful action. Use of MOOCs, SWAYAM, NPTEL courses by students/staffs are encouraged 60% of students are benefitted through this to enrich the learning content beyond curriculum. Further 484 students' i.e 66.57% of the latest graduation year have undergone/projects internships. The training and Placement Cell conducts no. of pre-placement training programmes/ value added courses throughout the academic year to excel students for better placements.

Teaching-learning and Evaluation

Students are enrolled to this institute on the basis of merit as per the policy of Karnataka State Government, which will provide equal opportunities to students from all sections of society. In addition to this 5 additional seats over and above intake in each program is allocated to Jammu-Kashmir students by PMO under Prime Minister Special Scholarship Scheme (PMSSS). Presently 45% of seats are allotted by CET/KEA, 30% of seats through COMED-K and 25% seats through Management quota are admitted.

Teaching staff members are recruited by open advertisements purely on merit basis and equal opportunity is given to women candidates. 93% of sanctioned vacancies are filled to maintain teacher student ratio of 1:15 in the institute to ensure and sustain quality.

Student centric learning methods like experiential learning, cooperative learning, participative learning etc. and use of ICT tools are encouraged for effective implementation/delivery of curriculum. Teachers are encouraged to upgrade their qualification and skills by way of providing sponsorship and study leave. The internal evaluation/assessment system of the institute is very robust and transparent. The external assessment system of the affiliating university is uniform throughout state of Karnataka and is time-bond.

As per the revised curriculum of the university CBCS/OBE is implemented in line with the NEP-2020. The evaluation system has been divided into two segments 1) Continuous Internal Evaluation (CIE) 2) Semester End Examination (SEE). The CIE and SEE will have 50:50 weightages in the evaluation process. Students learning levels are evaluated by respective course coordinators at the institute level i.e through CIE for 50% weight age and SEE are conducted by University at the end semester for 50% weightage. Results of the University are declared by adding the marks scored by the students in both CIE and SEE. Make-up examination facility is also made available for slow learners to improve their results.

 Programmes-Outcomes-(POs), Course-Outcomes-(COs) for the programmes offered by institute are stated and displayed at the prominent locations of the institute. The attainment of POs and COs are measured through well defined rubrics. The average results of our institute are 97% extremely in the last five years.

Research, Innovations and Extension

The institute has constituted Research & Development (R&D) Committee, under the chairmanship of HOI and Dean (R&D) as a convenor. Institute has established VTU recognised research centres in 5 departments: Mechanical Engineering, Electrical & Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Chemistry to promote R&D culture.

As many as 36 research scholars are pursuing Ph.D under 13qualified guides and 3 were awarded Ph.D. Institute has received Rs.80lakhs fund from Vision Group on Science and Technology-(VGST), Government of Karnataka to strengthen research ecosystem and Rs.1.5lakhs from Unnat Bharat Abhiyan-(UBA), GoI to resolve the adopted village problems for their holistic development through technological interventions. Institute has facilitated to conduct more than 80 research and innovation promoting activities such as international conferences, project-exhibitions/seminars/workshops/presentations etc.

More than 166research-articles and 88 books/book-chapters/volumes of staff and students have been published in reputed International Journals and Conference Proceedings respectively. Extensive projects of our students have resolved community issues and received awards. KSCST has sponsored Rs.3 lakhs more than 50 students'

projects in the last five-years. Institute has established more than 600 linkages through 25 functional MoUs with different organizations to bridge the gap between industry and academia. Industry collaborative laboratories have been established for knowledge transfer and to facilitate innovations.

The institute has promoted and created awareness through well-established EDC, IPR and Innovation-Cell and implemented National-Innovation and Start-up Policy-(NISP) successfully and through which the staff members published 4patents. E-Yantra embedded system and robotics-laboratory have been established in collaboration with IIT-Bombay, NMEICT-MHRD-New-Delhi. The institute has NSS-unit, Red-Cross-Unit, Women-Empowerment-Cell and Departmental-Associations to conduct extension/social/sensitising activities. The students and staff are participated voluntarily in "Ganji-Kendra" and "Flood-Relief-Camps" during COVID-19 pandemic/disaster situations. Institution has received appreciation letters and awards from Panchayats of nearby villages and various agencies. Students have undergone various extension activities to complete AICTE activity.

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 20 classrooms and 43 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 414 computers in the campus out of which 373 computers are used exclusively in the laboratories for students. The institute has maintained student to computer ratio of 2:1 and are connected to 104 Mbps dedicated Leased line (1:1) through LAN and 24X7 secured Wi-Fi campus covered with 36access points. The Institute is having sports complex for outdoor and indoor games and independent multi-gymnasium. An Amphi-theatre 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. The institute has made more than 40% of expenditure on other than salary components for maintenance of physical and academic supports and more than 26% of expenditure made other than salary components for infrastructure augmentation.

Library has a total of 34,994 volumes and 8,867 titles on its stack. Central Library is a member of VTU consortium, DELNET and subscribed to online journals to fulfil 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 with13 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, bus facilities and e-vehicles for transportation& RO water plants of 2500 liters/hour. The campus has well connected by roads and exclusive staff quarters, Principal and Warden quarters, Hostels (Girls & Boys) and Guest houses for 24X7 services to the students.

Student Support and Progression

The institute has well organized student support system which includes Career Guidance, Training and Placement Cell, Grievance Redressal Cell, Anti-Sexual harassment Cell, Student Welfare Cell, Anti-ragging Cell, Alumni Association, Help-desks etc. More than 77% students of the institution are benefited through Rs 5.99 Crores scholarships provided by the government and non-government agencies. The institute has

organised many capacity building and skill development activities for improving students' capability like soft skills, language and communication skills, life skills and computing skills etc. 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 counselling, Competitive Examinations and coaching for GATE is provided by every department through in house resource persons due to which around 81% students are benefitted during the last five years. Counselling 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 120 companies have conducted campus drives and 66% of the students are placed through training. More than 180 student activities/competitions were conducted. Students are supported to develop other aspects of personality with active participation in co-curricular & extracurricular activities. More than 30 students have received awards and prizes in university/state/national/international level competitions in sports and cultural activities during last five years. Institute has registered functional and dynamic Alumni Association which contributes in academic matters, student support as well as mobilization of resources. The Alumni Association of institute organizes many Alumni-Meets formally and informally throughout the year to enhance bonding between alumni and institution during last five years.

Governance, Leadership and Management

The Institute is run by His. Holiness. Shriman Niranjan Pancham Shri. Shivalingeshwara Mahaswamiji of Siddha Saunsthan Math, Nidasoshi, 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 consultation 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 adequate workshops yearly in different domains. 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 and sustenance and to promote research culture. The IQAC of institute is functional and dynamic and submitted AQARs of last 4 years on time. The IQAC has implemented soft tools for academic performance assessment of students. 02 International Conferences are organized as part of IQAC initiative.

Institutional Values and Best Practices

The institute has well established "Women-Empowerment-Cell" and has conducted many activities to promote

the gender equity and adopted many multifaceted approaches that addresses biases, barriers and cultural norms. The institution has "Internal-Complaint-Committee" to resolve the gender related grievances and issues. The Anti-Sexual-Harassment and Grievance-Redressal-Cell is established in the institution to monitor and address safety, security, and social issues with zero tolerance.

Residential doctor is appointed for regular health check-up of boys and girls students. Both boys and girls are given equal opportunities in all the matters of institution academics and administrative activities. General-Secretary-(Boy) and General-Secretary-(Girl) are nominated among final year students as per well-defined process. Best Girl and Best Boy award is instituted to recognize and honor the meritorious out going final year students. General championship is awarded to boys and girls separately in all the sports organized by the institute. The institution has implemented many best practices.

- Techno-vision: A project competition for final year diploma students, across the states more than 1100 diploma and 12th class higher education aspirants have participated and received more than Rs.2.5 lakhs cash prizes along with merit certificates during last five years.
- Book-Bank-Facility: One complete set of books are issued to each student at the beginning of the semester to till the completion of semester end examination. A total of 22266 books are issued along with the 189263 regular books.

The institute is performing distinctively in the following key areas as per the aspirations of NEP-2020 though located in rural area:

- Holistic Approach by a Spiritual Organization
- Learner-Centric Approach based on Class room Dynamics
- Village-Development through intervention of Technology
- Self-serving Dividing mess and Hygienic food facility
- Socioeconomic up-liftment of rural youth through quality education
- Group Insurance for Staff and Students
- Financial Assistance to Merit Students

The academic and cultural environment in the institute is inclusive, gender sensitive and merit supportive. Mentor-Mentee System helps the students to vent off their stress and get their grievance addressed.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	HIRASUGAR INSTITUTE OF TECHNOLOGY,NIDASOSHI
Address	Principal Hirasugar Institute of Technology Tal-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	08333-278887	9480849331	08333-278886	principal@hsit.ac.in
IQAC / CIQA coordinator	S.N.Topannavar	08333-	9482440235	-	hod.mech@hsit.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Karnataka	Visvesvaraya Technological University	[View Document](#)

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	01-10-2018	[View Document](#)
12B of UGC	15-06-2022	[View Document](#)

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](#)	10-06-2023	12	
AICTE	[View Document](#)	10-06-2023	12	
AICTE	[View Document](#)	10-06-2023	12	

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	Principal Hirasugar Institute of Technology Tal-Hukkeri, Dist-Belagavi	Rural	48.26	29370

2.2 ACADEMIC INFORMATION

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	120	120
UG	BE,Electrical And Electronics Engineering,	48	XII STD	English	60	55
UG	BE,Electronics And Communication Engineering,	48	XII STD	English	120	120
UG	BE,Mechanical Engineering,	48	XII STD	English	60	28
UG	BE,Civil Engineering,	48	XII STD	English	60	3
Doctoral (Ph.D)	PhD or DPhil ,Computer Science And Engineering,	36	M.Tech.	English	12	0
Doctoral (Ph.D)	PhD or DPhil ,Electrical And Electronics Engineering,	36	M.Tech.	English	6	4
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Communication Engineering,	36	M.Tech.	English	6	2
Doctoral (Ph.D)	PhD or DPhil ,Mechanical Engineering,	36	M.Tech.	English	24	8
Doctoral (Ph.D)	PhD or DPhil ,Engineering	36	M.Tech.	English	6	3

Chemistry,					

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	5				9				47			
Recruited	5	0	0	5	5	0	0	5	32	12	0	44
Yet to Recruit	0				4				3			

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				67
Recruited	65	2	0	67
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				18
Recruited	15	3	0	18
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	5	0	0	5	0	0	3	1	0	14
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	28	12	0	40
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	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
UG	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**	**Others**	**Total**
	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
UG	Male	551	16	0	0	567
	Female	422	3	0	0	425
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	7	0	0	0	7
	Female	2	0	0	0	2
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	26	28	26	24
	Female	23	17	19	20
	Others	0	0	0	0
ST	Male	7	5	6	5
	Female	7	2	2	1
	Others	0	0	0	0
OBC	Male	46	46	48	32
	Female	40	36	38	24
	Others	0	0	0	0
General	Male	341	253	268	342
	Female	237	211	203	256
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		727	598	610	704

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The affiliated university has designed and implemented the curriculum as per the aspirations of NEP-2020. The curriculum integrates science and humanities, Technology, Engineering, and Mathematics (STEM) to provide students a quality education. The curriculum also includes subjects like Communicative English, Innovation and Design Thinking, Scientific Foundations of Health, Social Connect and Responsibility, Constitution of India and Professional Ethics, Biology for Engineers, Universal Human Values, and Environmental Studies. In addition to these subjects, the University curriculum offers ability enhancement courses right from Rural Development to Research Methodology & Intellectual Property Rights. Institute has implemented teaching, learning and evaluation processes as per the revised curriculum of the university. The students are undergoing internships, participate in activities and learn through interdisciplinary/multidisciplinary projects. Our institute offer certificate/add-on courses to the students, which gives freedom to the student to choose their preferred options from the range of programs. Trainings on certificate courses are being conducted online/off-line so that students of all streams can learn their preferred multi-disciplinary subjects. Institute is carving out the way for the fruitful implementation of multidisciplinary and interdisciplinary education which will definitely enable our students to develop the skills required for 21st century employment/competition. The programs offered by the institution provide students to a wide range of disciplines and encourage them to think critically, innovate and design solutions to complex problems. To achieve this, the institution offers flexible and innovative curricula as per VTU that includes credit-based courses and projects in the areas of community engagement and service, environmental-education, and value-based-education. The institution is committed to promoting research among its faculty and students. The institution encourages its faculty to participate in research activities to carry out their research work. In terms of good practices, the institution has implemented several initiatives to promote a multidisciplinary/interdisciplinary approach in line with NEP 2020.

2. Academic bank of credits (ABC):	Institute welcomes the change, which is to create a framework for the country to take advantage of its demographical dividend. Provisions of Academic bank of Credit proposed in the NEP 2020 is to facilitate multiple entries and exit points in the academic programs. This is an innovative idea to earn and deposit credits through National schemes like SWAYAM, NPTEL, etc. leading to credit transfer and accumulation which will help the students to get the program completed. Visvesvaraya Technological University (VTU) Belagavi being initiated to implement the academic bank of credits (ABC) system, which is designed to provide flexibility and mobility to students by enabling them to choose courses according to their interests and pace of learning. All students of our institute are registered to ABC of National Academic Depositary as per the affiliated university notification. While more clarity will be visible in the coming months on how the academic bank of credits being proposed in the policy shape up. In the present scenario by following university regulation students are encouraged to participate in earning Honours degree through earning 20 extra credit points (Choice based credit system -CBCS) by participating in different MooCs courses. Implementing ABC system requires a significant change in the current system of teaching and learning. It requires the institution to offer a wide range of courses and provide multiple entry and exit points to students. Additionally, it requires the institution to have a robust assessment and evaluation mechanism to ensure the quality of learning outcomes. The institution looks forward for complete implementation by VTU of the academic bank of credits system in the future expand with the vision of the National Education Policy 2020.
3. Skill development:	The institute is facilitating and guiding the students to acquire various skills during their graduations. Students are inculcating communication skills, managerial skills, organising, life, entrepreneurship and technical skills as per the institute employment policy and guidelines of the VTU. The institution provides various ability enhancement courses, including soft skills as per the revised curriculum. Students are also required to complete at least one skill based value added program and internship in different semesters. In addition to the Universal

	Human Value Course and Social Connect and Responsibility, as per the VTU curriculum. The college has implemented the Choice Based Credit System (CBCS) to ensure that students take part in internships before graduating. The institute also engages the services of industry veterans and master craftspeople to provide technical skills and overcome the curriculum gaps. The Institute has already set up an In-house Training and Placement Cell with two components providing 1) Technical 2) Soft skills trainings. The curriculum enrichment is achieved through beyond syllabus activities and value added courses imparting transferable and life skills in the form of MOOCs through NPTEL, SWAYAM etc. and programs on extra-curricular and co-curricular activities are conducted. Institute has also signed MOUs with various organizations/Industries to create an excellent opportunity to students for corporate experience and pre-joining training before they start their new journey in Corporate World. These MoU will further enhance the pool of talent transformation in the field of emerging technologies like Cloud computing Infrastructure services etc. Need of the hour is to produce young generation obtaining degrees in their choice of subjects and additional skill courses that will help them to start their own entrepreneurship after leaving the college. In this way a graduate from one college will become a job provider than a jobseeker.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	Indian education system has greatly influence by its rich culture, history and diversity. The Indian Knowledge System (IKS) represents a holistic approach to learning, taking inspiration from the country's ancient wisdom. IKS recalls a commitment to building individuals capable of contributing meaningfully to society. Keeping this in mind our institute makes all efforts to create awareness about IKS by organising various cultural, cocurricular and extracurricular activities. To promote the IKS, our institution has incorporated internships at various levels focusing on Indian arts and culture. We also make efforts to preserve and promote traditional Indian knowledge, arts, culture and traditions. Regarding bilingual mode teaching, our institution has trained its faculty to provide classroom delivery in both English and also in vernacular language for better understanding to students. Institute ensures

	appropriate integration of IKS as per the revised curriculum of the VTU. Students are learning regional language, Gender, Environmental Sustainability, Human Values and Professional Ethics for development of creative and divergent competencies. Subjects like Indian Constitution, Ethics & Value system of Indian culture, Environment Eco-system, etc. are offered in order to inculcate sense of national integration, culture and civic sense among the student community. Students are participating in cultural and social activities to promote IKS. The students are sensitized through activities on cross cutting issues such as gender-equity, inclusivity, national-integration, civic-sense, unity-in-diversity etc. Although the primary mode of communication is English, faculty members and technical assistants are also imparting the knowledge and clearing doubts by communicating in regional languages like Kannada, Marathi and Hindi, predominated by the students of those communities in this southern part of the country. Institute has provision of various committee activities which contribute to sensitizing students on cross-cutting issues.
5. Focus on Outcome based education (OBE):	UG Programmes of the institute are accredited by National Board of Accreditation (NBA). The POs and PSOs are attained through Direct and Indirect methods. The institution has formulated Program Educational Objectives (PEOs) and Program Specific Outcomes (PSOs) for all its programs as per the guidelines of the NBA. To capture the Outcome based education in teaching and learning practices, the institution has adopted various pedagogical tools such as project-based learning, case studies, industry internships, and hands-on experience in laboratories. The institution has also implemented a continuous assessment system that enables the faculty to monitor the attainment of the intended learning outcomes by the students. In view of NEP 2020, the institution has introduced several good practices pertaining to (OBE). The institution has started conducting regular workshops and training programs for the faculty to help them understand the importance of OBE and its implementation. The institution has also started using innovative teaching methodologies such as flipped classroom, blended learning, and e-learning to enhance the effectiveness of OBE. Efforts have been

	taken by the faculty members in the Institute to fulfil the objectives and achieve the target as per the structured curriculum provided by the affiliating university. Variety of approaches in teaching Learning process like lectures, seminars, tutorials/workshop/practical and project-based learning field work, technology enabled learning internship and research work are being adopted. Institute also follows OBE through measuring the outcomes following the norms as specified by National Board of Accreditation and includes them in the course file. The Course Outcomes (COs) are also aligned to the Program Outcome / Program Specific Outcome / Program Education Objective (PO-PSO-PEO) philosophy and outcome evaluation carried out course wise as well as at the program level.
6. Distance education/online education:	As per the university regulation, students are encouraged to participate in earning Honours degree through earning extra credits by participating in MOOCs. E-resources, pedagogical initiatives and innovative teachings aids have been using as per university curriculum for effective teaching-learning process. During the Covid-19, online classes were conducted effectively by all faculty members. The Covid pandemic, online classes were conducted in all programs, helping the students to study e-contents for all subjects in all semesters. Both faculties and students have experienced the online teaching and evaluation process through different software. Institute is also preparing to make available all such type of e-content materials prepared by faculty members to all students through online mode to meet the future challenges. So, the institution is well prepared in this regard. We have made significant efforts to develop and use technological tools for teaching and learning activities. We have a Learning Management System (LMS) in place that provides a platform for online delivery of courses and resources. We have also developed digital content, including videos, animations, and simulations, to enhance the learning experience of our students. Our institution has taken significant steps towards blended learning, which combines face-to-face instruction with online learning. As a good practice, our institution has been actively using online learning resources to complement face-to-face instruction. During the COVID-19 pandemic, we have transitioned smoothly

	to online mode of education, ensuring the continuity of learning for our students. We have also developed a comprehensive online examination system that ensures fair and secure assessment of our students' learning outcomes. Our institution has also established a dedicated IT support team to provide technical assistance to faculty and students.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Electoral Literacy Club (ELC) has been set up in our institute. The Student Coordinators and the Coordinating Faculty Members are appointed by the college for ELC. We have 5 Student Coordinators and 5 coordinating faculty members.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	ELC is functional and students' coordinator and coordinating faculty members are appointed by our institute. The primary objective of the club is creating awareness among the students community about constitutional rights which includes casting votes in elections. The objectives Electoral Literacy Club are: 1) To create awareness and interest among faculties and students through workshops and activities 2) To educate the targeted populations about voters' registration, electoral process and related matters. 3) To familiarize the targeted populations with EVM and VVPAT and to educate them about robustness of EVM and integrity of the electoral process using EVM 4) To help targeted audience understand the value of their vote to ensure that they exercise their suffrage right in a confident, comfortable and ethical manner. 5) To harness the potential of ELC members for carrying the electoral literacy in communities. 6) To facilitate voter registration for its eligible members who are not yet registered. 7) To develop a culture of electoral participation and maximize the informed and ethical voting and follow the principle 'Every Vote Counts' and 'No Vote to be Left behind'.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from,	Institute has conducted electoral awareness programmes to the students in the campus by NSS unit. The first-time voters are specially addressed to enrol in the electoral process by getting election ID cards. The students are motivated to participate in the

assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	election by casting their votes in all elections. The NSS unit of the institute has been organising "Constitution Day" every year meaningfully, all the students are participated and taken pledge to follow and respect the "Indian Constitution". Students and nearby villagers are also sensitised through awareness activities on "Electoral Process". Students are addressed about the "Importance of casting Votes" during the celebration of "Independence Day" and "Republic Days" every year. Many staff members have participated in the trainings of the election process. The trained staff members created awareness in the society as per the direction of the election commission of the district election. Some staff members have worked at various positions during the Central Government, State Government and Local Body elections every year. The banners are displayed in the surrounding places of the institute to increase the voting percentage during the election process as per the directions of the election commission of authorities. Students are learning the act "People Representation and its importance" in the course "Indian Constitution and Professional Ethics" as a part of the university curriculum.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Every year the students/ELC conducts seminars to help students know about their rights and encourage them to exercise those rights by participating in the elections. The club also encourages students to take part in Voting Awareness Rally as this will help develop their skills and confidence. Our students and staff have participated in the rally. Our staff coordinator has actively involved the students in various innovative activities to encourage the students to use their voting rights and spread awareness about the importance of voting among the general public.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Every year students are encouraged to do Voting awareness rally. ELC is creating awareness among the public through rally and participating in competition as per the direction of District Collector's office The club collaborates along with the District Sweep Committee who is also the District Election Officer (DEO) periodically participate and assign events to the club to create awareness on the importance of voting through various programs like rally and Seminars.

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Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
727	598	610	704	881

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 81

File Description	Document
Upload Supporting Document	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
50	56	56	69	74

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
49.1	44.76	35.1	79.25	101.73

File Description	Document
Upload Supporting Document	[View Document](#)

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Hirasugar Institute of Technology Nidasoshi, is self-financed Private Institute affiliated to Visvesvaraya Technological University-(VTU) Belagavi Karnataka. All efforts are made to ensure effective curriculum delivery and well documentation of all its plans & activities as per VTU CoE. Academic activities are conducted in well-spaced, ventilated and ICT enabled class rooms with modern teaching equipments for effective teaching-learning process. Based on the interaction with the students, the students are offered with choice of elective and open elective-courses as per the university guidelines. The distribution of academic work-load for next semester is done soon after the end of on-going semester based on expertise and choice of faculty. The Institute Calendar of Events-(COE) is prepared incorporating academic, co-curricular and extra-curricular activities planned for the semester in line with university's COE. The Time-Table of all departments is prepared and displayed at least one week before the commencement of each semester. All course coordinators prepare the teaching plans of their allotted courses in line with department COE. All teachers are preparing the course plan-(CP) of each course which includes Syllabus, COs, prerequisites, delivery plan, question bank, and results of previous semesters and is published on the institute website at the beginning of semester.

Induction program for first year students is organized/conducted as per the AICTE and university guidelines. All the course coordinators use pedagogies, e-resources and innovative-teaching-aids for effective teaching-learning process. The laboratory manuals are prepared by course coordinators. The Internal-Assessments-Tests-(IATs) are conducted in each semester centrally as per the institute COE. The mechanism to conduct (IATs) is robust, transparent and is time-bond. Similarly, laboratory internal tests are conducted at the department level as per the scheduled dates and university guidelines. The IAT and assignment questions are scrutinized by module coordinators and approved by HOD. Student's performance in the IATs is communicated to parents through SMS. Poor performers in the internal assessment are counseled by teacher and critical cases at the department level. Remedial-classes are conducted for slow-learners. The continuous evaluation is carried out for every experiment and is taken into account while finalizing practical Continuous-Internal-Evaluation-(CIE) marks. The curriculum gaps are identified and to bridge the gaps and to strengthen curriculum, the special lectures/invited talks of eminent personalities and industry-visits, value-added-courses are organized by the placement cell and department associations.

The stakeholders' feedback is collected and analyzed in a semester on academic performance and ambience and the analysis report has been communicated to concerned authorities for further improvement. Group of 15-20 students are allotted to each teacher for counseling & mentoring and mentoring process is carried out on regular basis. The internships and project-works are conducted under the faculty guidance and as per the university's scheme of study. Weekly meetings are conducted for

academic review at institute level as well as at department level. Book-bank facility, Digital-library with e-books, journal and periodicals are made available to both staff and students. Industrial visits are arranged to make students familiar with industry process and present technological developments. Academic-Audit is conducted every year by internal and external experts.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 31

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Other Upload Files	
1	[View Document](#)

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 66.34

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
751	437	576	387	184

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

The institute has made all the efforts to integrate following cross-cutting issues in the regular teaching-learning process as per the revised curriculum of VTU Belagavi.

Professional Ethics and Human values: The course like Constitution of India, Professional Ethics, Universal Human Values, etc., are taught and are incorporated in the revised university curriculam to ensure holistic development of the students. Talks on Human-Relations and Moral-Values were organized by eminent personalities. Training activities are organized so that students turn-out as successful professionals by enhancing soft skills, leadership qualities and team spirit. Institute regularly celebrates Birth anniversaries of great personalities meaningfully. Health-Awareness-Programs, Blood-Donation-Drives, Swachh-Bharat-Abhiyan have been arranged in association with NSS & Red cross Units. Motivational talk on Power of subconscious mind was organized for students on how to improve memory power and mental health. International Yoga Day is celebrated every year for staff and students and Yoga classes are conducted regularly. Well-formed Code of conduct is implemented in campus. Visit to Goshala (Cow-School) visit was organized to give awareness regarding UHVs. Various activities to address "Human-values and Professional-Ethics" are conducted through departmental associations.

Gender Equity: Gender equity sensitization activities are conducted for girl students by Women Empowerment Cell to develop students' abilities and make choices to grow and succeed without the limitation set by stereotypes. Institute has functional Internal Complain Committee for prevention and prohibition of sexual harassment, and to address the sensitive issues of lady students' and staffs' rights and security. Awareness activities have been arranged on this subject. Equal opportunities are provided to all genders during teaching-learning process, training programmes, sports activities, placement, class representation, awarding, participation in various department and institute level committees etc. Both

girls and boys participate in various technical and non-technical events organized at various levels. The gender audit is conducted.

Environment & Sustainability: The curriculum is designed to create awareness for environmental sustainability and to conserve nature & natural resources for the wellbeing of all by studying environmental studies. Green-campus, Plantation Drive in the campus, Quizzes and Poster-presentations are arranged on the occasion of world environment day to understand the importance of plants in human life and to create awareness about importance of environment protection. Topics related to environment issues are taken up through quiz and poster presentation. The NSS Unit has organized various programmes such as plantation, environmental-protection, road-safety, pollution control, and Energy conservation rally has been organized for public to make the village campus green and eco-friendly. Hermi-Compost-Plant has been set up in campus for getting fertilizer from Kitchen-Waste. Use of LED bulbs in the campus for less power consumption and are environment friendly is promoted. Eco-friendly Gardens, Rain-Water-Harvesting, solid waste, E-waste management facilities are established in the campus. The various activities to address "environment and sustainability" are conducted through departmental associations. The Energy Audit and Green campus Audits are conducted by external certified agency. Students have completed energy and environment conscious projects, internships and AICTE activities as a part of the university curriculum.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 66.57

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 484

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from

various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	[View Document](#)
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	[View Document](#)
Action taken report on the feedback analysis	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 48.47

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

2022-23	2021-22	2020-21	2019-20	2018-19
220	139	135	108	157

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
330	300	300	318	318

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list as published by the HEI and endorsed by the competent authority	[View Document](#)
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 89.34

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

2022-23	2021-22	2020-21	2019-20	2018-19
79	65	62	62	59

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

2022-23	2021-22	2020-21	2019-20	2018-19
79	75	71	71	70

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 14.54

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

The institute practices the following student centric methods and Use of ICT enabled tools and resources to enhance learning experiences and for effective teaching learning process:

Experiential learning: The institute has created an academic ambience for students to acquire adequate and versatile knowledge through experience-learning. The students are conducting experiments in the laboratories to realize the basic concepts taught in the class and applications mentioned in the university curriculum. The students are guided and inspired to gain experience of writing project proposals and synopsis to attract sponsorships from various funding agencies, to win awards in the exhibitions, to publish this work in international journals and to file patent. Students are also facilitated and motivated to carry out their innovative and relevant projects of national importance. The institute promotes experiential learning through facilitating and guiding students for industrial, entrepreneurial, social and research internships in the various reputed organizations as per university guidelines. Field-trips and industry-visits are organized/arranged for students to gain knowledge.

Participative learning: The institute has established the participative learning ambience by promoting Activity Based Learning, Project-Based-Learning, Internship-Based-Learning and Cooperative-Learning. Students are participating in the various activities conducted by departments' associations, NSS & Red-cross Wings, Sports and Yoga departments. Continuous and comprehensive participation of each student in the activities are evaluated through proper rubrics as per the university guidelines. The students are also participating in the AICTE recommended social activities and are evaluated as per AICTE guidelines. Students have won the awards in various inter and intra college activities and competitions. Students are motivated to participate in co-curricular activities such as Quiz-Competitions, Paper-presentations, Technical Seminars, Webinars, Heckathons, Poster Presentations and extracurricular activities such as rangoli competition, cooking without fire, Pick and Speak, Essay writing etc. Student development programs and workshops are conducted to enhance the learning capabilities of the students. The achievements of the staff and students are consolidated in the departmental "Technical Magazines" and "Newsletters" and are published in the institute website at the end of every academic year.

Problem solving: Students are motivated, guided and mentored to inculcate logical reasoning and critical thinking skills in the class rooms with the help of innovative teaching aids and student centric pedagogical initiatives. Students are inspired to resolve problems of higher RBTLs and HOTS in the class room, assignments and IATs. The Unnat-Bharat-Abhiyan program has been initiated to address the problems of adopted villages through the technological intervention. Students are motivated to take active part in AICTE sponsored Hackathon every year to propose solution to the issues related to energy, water and air. Students are continuously counseled and mentored to solve complex problems mentioned in the courses and to resolve problems of industry and society through their project works.

Use of ICT tools and Online resources: Every classroom is equipped with a LCD projector and internet facilities to access e-content, pedagogical and curriculum strengthening information from the various e-resources to enhance their knowledge and skills. All the faculty members are using ICT tools and resources to address the class room dynamics.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 93.27

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
67	65	65	65	65

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 17.7

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
13	13	8	10	10

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	[View Document](#)
Institution data in the prescribed format	[View Document](#)
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The internal assessment system of the system is very robust and transparent. The external assessment system of the affiliating university is uniform across the state and is time bond. As per the revised curriculum of university in line with NEP-2020, the evaluation system has been divided into two segments: Continuous-Internal-Evaluation-(CIE) and Semester-End-Exam-(SEE). The CIE and SEE are evaluated in the 50:50 ratios respectively. CIE has been again divided into two components: Internal-Assessment-Test (IAT) and Continuous and Comprehensive-Assessment (CCA).

The CIE is conducted centrally and assessed by the course coordinator. The SEE is conducted by the university as per notifications and schedule. The IATs and display of IAT marks are scheduled in the institute CoE and it is circulated to the students and faculty members at the beginning of the semester. The institute will conduct minimum 3 IATs centrally to cover all COs under the surveillance of CCTV camaras. The Dean (Examination) will schedule time-table and the seating plans and are displayed on the notice board a week in advance. The Duty-chart of invigilators and the internal squads comprising of senior faculty are constituted for smooth, fair and transparent conduction of each IAT.

The IAT question papers are submitted to the IAT coordinator of the department on the day of test in a sealed cover. After evaluation of IAT answer-sheets (Blue-books), the marks will be displayed on the notice board as per CoE and grievances related to evaluation are resolved by the course-coordinator. The IAT marks and class attendance are informed to the parents through SMS. Two CCAs are conducted and evaluated with proper questions/rubrics. The CCA related grievances are resolved by the course coordinator. The project works and internships of the students are evaluated with proper rubrics and the related grievances are resolved by the respective guide. The lab experiments are evaluated continuously and related issues and grievances are resolved by the respective course coordinator. The provision for additional tests will be arranged for students participated in important/university events.

The university will publish SEE schedule and the same will be circulated to the students. The SEEs are conducted in the institute campus as per the university's schedule and guidelines. The university will

appoint SEE functionaries, principal as Chief-Superintendent-(CS), External-Deputy-Chief-Superintendents-(DCS-External) and Squad. The CS will appoint Internal-Deputy-Chief-Superintendents and Room-Invigilators and other functionaries for smooth conduction of SEEs. The on-line Question-Paper-Delivery-System-(QPDS) has been established in the separate room called "Strong-Room". As per the university guidelines, the principal will appoint Examination-Management-System-(EMS) coordinator for each program to resolve students' grievances related to SEEs, such as online exam form filling, marks-cards, lab-batch etc. Any grievances related to the SEEs question-papers are resolved by the CS and DCS-External immediately by communications to university through QPDS/SMS. The university has adopted a "Digital-Evaluation-System-(DVS)" to reduce counting mistakes and to announce results quickly. The university has made a provision of revaluation of answer scripts and recounting of marks after the announcement of SEE result. Recently "Make-up-exams" are conducted as per university guidelines, which provide additional opportunity to the students.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

National Board of Accreditation (NBA) has stated 12 Program Outcomes (POs) and are also called as graduate attributes (GAs). In line with these POs and in consultation with the stakeholders, vision and missions of the institute are articulated. In line with the institute vision and missions each department has stated and justified their vision and missions. All visions and missions are displayed in the strategic locations and in the students study materials to create awareness. In view of the emerging trends and relevancies of the engineering and technology in specific domains, ability enhancements and skills required among the students' fraternity and to cater to industry and society, each program of the institute interacted with the various stakeholders and has stated 3 Program Specific Outcomes (PSOs). In view of assessment and attainment of POs and PSOs during graduation, the Course Outcomes (COs) are defined by the respective course coordinator in consultation with HOD and module coordinator.

The assessable in specific period and well-defined Visions and Missions, POs, PSOs and COs are published, circulated, displayed and are made available for students and staff members through:

- Institute website
- Cover pages of Course Plans (CPs)
- Cover pages of lab journals
- Cover pages of Faculty-Dairy, Department Newsletters and Technical-Magazines

- Cover pages of IA and Assignment booklets
- Displayed in all strategic points of class rooms, labs and corridors of institute campus
- Disseminated during student and staff induction programs

The brief physical significances of POs are as below.

During 4 years of learning, the engineering graduates will be able to:

- Apply Engineering knowledge (PO1) to resolve complex engineering problems.
- Identify, formulate and analyze the complex engineering problems (PO2) to arrive at sustainable solutions.
- Design and develop solutions (PO3) for specific needs of public health, safety and environment.
- Conduct research investigations of complex problems (PO4) and synthesizing information to provide solutions.
- Use modern tools (PO5), techniques, resources to understand the limitations, model and predict the complex engineering activities.
- Take responsibility for professional engineering practices to serve society (PO6) and to asses societal, safety, legal and cultural issues.
- Understand the impact of professional engineering solutions on society and environment (PO7) for sustainable development.
- Apply professional ethics (PO8), responsibilities and norms of the engineering practice.
- Function effectively as an individual and as a team member/leader (PO9) in diverse teams and in multidisciplinary settings.
- Communicate effectively (PO10) on complex engineering activities with engineering community and with society at large.
- Manage project, finance and multi-disciplinary environments (PO11) with principles in own work and in team work.
- Engage in independent and lifelong learning (PO12) in the broadest context of technological changes.

The physical significances of COs are:

1. Planning and evaluation of course
2. Defined to account all POs and PSOs
3. Assessable and attainable through direct and indirect methods
4. Assessed in CIE and University's SEE

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

The Program Outcomes (POs) are given by NBA and PSOs are defined by every department. The attainment of POs and COs are evaluated regularly after announcement of SEE results. The achievable and well-defined Course Outcomes (COs) are defined by the course coordinator as per the revised curriculum of the university. The COs are mapped with POs.

- Higher mapping level =3
- Moderate mapping level =2
- Lower mapping level =1

The mapped levels are substantially justified and are assessed to attain benchmarks and set targets by the course coordinator.

The COs are assessed and attained through two methods:

- Direct Methods: Continuous Internal Evaluation (CIE) and University Semester End Examination (SEE)
- Indirect Methods: Course End Survey (CES), Activities, Employer and Alumni Surveys, Employment achievements etc.

The direct methods are conducted to evaluate COs as per the university guidelines. Based on the learning dynamics of the students, industry and societal requirements, the indirect methods are designed, developed and formulated by the institute. The attainment levels are computed based on the methods decided by the institute. The uncovered and low attained POs, PSOs and COs are identified as curriculum gaps and, the institute will device/revise policies time to time to bridge the gaps and to attain higher levels for POs and PSOs.

Based on the industry and societal requirements and in the interest of higher-level attainments of all POs and PSOs, the institute will define and revise the quality of questions in CIE and quality of rubrics time to time with the help of Revised Bloom's Taxonomy Levels (RBTLs) and Higher Order Thinking Skills (HOTS) and questions are scrutinized by the respective program module coordinator or domain expertise and approved by HOD.

After completion of each semester and after announcement of university results, each course coordinator will assess the attainment of benchmarks or set targets of COs, POs and PSOs. The institute has provided the assessment formats in single document called Faculty Course Assessment Report (FCAR). If benchmarks or set targets are not attained then the respective course coordinator will prepare a plan for subsequent academic year and implement for further improvements.

The attainments of COs, POs and PSOs are discussed in the HOD's meetings, program assessment committee meetings and department advisory committee meetings (DAC) annually and decision will be taken for further actions, progress and improvements for benchmarks and set targets time to time. The attainment levels are also audited by the internal and external expertise and stakeholders every year called as "Academic Audit".

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 97.23

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
118	154	151	267	259

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
124	158	158	275	261

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response: 3.97

File Description	Document
Upload database of all students on roll as per data template	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 61.5

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
21	.5	0	0	40

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The institute has constituted Research & Development (R&D) Committee, under the chairmanship of HoI and Dean (R&D) as a convenor. To promote R&D culture, institute has established VTU recognised research centres in 5 departments: Mechanical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering and Engineering-Chemistry. The institute has promoted and created awareness through well-established IPR and Innovation Cell, Entrepreneurship-Development-Cell and implemented National Innovation and Start-up-Policy-(NISP) successfully through which the staff members published patents and relevant ideas are incubated towards product level. 36 research scholars are pursuing Ph.D degree under 12 guides and out of 36 research scholars 3 were awarded Ph.D degree.

The UG and PG students have completed their research based innovative projects successfully under the faculty guidance on relevant and emerging areas and work of some projects were published in the

reputed international journals and conference proceedings. Staff and students are motivated and facilitated to conduct research and project and the same works are articulated and published in the reputed international journals and conference proceedings. The institute has motivated faculty members to prepare research proposals for funding from various agencies regularly and till now mechanical engineering and electronics & communication departments are successful in fetching Rs.81.5 lakhs from Vision Group on Science and Technology-(VGST), GoK and Unnat-Bharat-Abhiyan-(UBA), Government of India.

Students are motivated to prepare and present project synopsis on national interest and relevant areas through faculty guides and are evaluated through proper rubrics to promote IKS. After rigorous interaction between guide/s and project associates and progress review meetings by the evaluation committee, the synopsis are submitted for sponsorships to the various funding agencies such as KSCST, VGST, UBA, VTU etc. Some projects have received sponsorship and some are exhibited on various platforms/exhibitions such as Shristi, Anveshana, VTU Hackathons etc., and received awards. The institute has successfully organized 4 international conferences on campus to facilitate students and staff to publish research articles. Project exhibitions and activities to promote IKS are conducted regularly by the department associations.

VGST has catalyzed and promoted the establishment of "Alternative-Fuel-Laboratory", "Simulation-Coding-Laboratory", "Antenna Research Lab" and "Aerodynamic-Laboratory" for research and innovation. The industry collaborative laboratories: BOSCH-Skill-Development-Lab, VTU-ALTEM-Design & Analysis-Lab and Tech-Fortune-Robotics and Automation Lab have been established to strengthen R&D facility, for knowledge transfer and to facilitate innovations. Project laboratories have been established in each department to incubate the ideas of staff and students and to convert them into projects/products. The institute has 9 functional MoUs with various organizations for knowledge transfer. The e-Yantra embedded system and robotics laboratory have been established in collaboration with IIT Bombay, and NMEICT-MHRD-New-Delhi to develop innovative projects.

The college has entered an e-consortium with VTU for online subscriptions of scientific journals published by Elsevier, Taylor-&-Francis, Springer, IEEE-Xplorer and IETE. The students have participated in AICTE-recommended extensive and sensitizing activities regularly. The students undergo various types of internships regularly and are learning "Research Methodology" subject as per the university curriculum. Our proud alumni and entrepreneurs are interacting with students through various activities continuously.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual

Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 59

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	19	11	8	6

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.7

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
6	7	10	11	23

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.22

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
9	0	1	8	0

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

The institute is regularly facilitates to conduct activities on "Universal-Human-Values" and organizes expert talks on relevant social issues. Students and staff members have participated in various extensive activities such as "Swacchh-Bharat-Abhiyan/Shramadhan", "Engineers-Day", "World Environment-Day", "Teachers-Day", "NSS-Day", "Women's-Day", "Blood–Donation-Camp", "Promotion of Digital Literacy" etc. As a part of the AICTE activity and Societal Internship, the students are undergoing various extension and sensitizing activities in the Gram panchayats and Town-panchayats and received certificates of appreciation from the government and non-government bodies. The Red-cross society of the institute has conducted "Blood Donation Camps", "Eye Check-up Camps" and "Health Check-up Camps" regularly successfully.

The "Women Empowerment Cell" has conducted sensitizing activities such as "Women's Health", "Nari Shakti" etc., regularly as per the guidelines of governments from time to time and received appreciation from the eminent personalities. The departmental associations have conducted various extension and sensitizing activities on issues related to the environment, water, soil, waste, energy, health etc. Institute has prepared a plan and constituted ten working groups for improving facilities on campus, community and adopted villages in the areas of Sanitation & Hygiene, Waste and Water Management, Energy Conservation and Greenery during post-COVID-19 and this action inculcates the practices of Mentoring, Social Responsibility, Swachhta and Care for Environment and resources among the students.

The institute has adopted five villages for their holistic development through technological intervention between Gram Panchayat and institute under the Prime Minister's flagship program "Unnat-Bharat-Abhiyan (UBA)". The village house hold surveys were conducted by the student and staff volunteers. The Panchayat Development Officers (PDOs) and surveyors/volunteers prepared detailed reports of issues/recommendations/problems/suggestions and are discussed in the UBA-SEG meetings. The institute-level Subject-Expert-Group members/volunteers (SEGs) prepared 8 project proposals for Technology-Development and submitted them to the SEG-UBA and one of them has been sanctioned for sponsorship of Rs. 1.0 lakh.

The students and staff have participated voluntarily in "Ganji-Kendra" and "Flood Relief Camps" during the COVID-19 pandemic and disaster situations. As a part of the AICTE activity and Social Internship, the students are undergoing the various extensions and sensitizing activities in the Gram panchayats and Municipalities. The students are learning YOGA, Health Foundation, UHV, sports and social courses as per the university curriculum. The students participated and took oath during the observation of "National Electoral Day", "Constitution Day", "National Youth Day", "Environmental Day", "Ayudh Pooja", "Kartik Deepostav", "Kannada Habba" etc.

The participation of students and staff in the above said extension and sensitizing activities leads to work towards national interests and also creates paradigm shifts and insights in the community, which are: 1.Enhancement of abilities/competencies to resolve societal issues/problems through technology intervention 2.Increased compassion and humanity towards rural and poor communities 3.Right understanding and adoption of Universal Human Values 4.Professional-ethics 5.Proactive philanthropic mindsets 6.Enhanced Patriotism and oneness culture 7.Cost and environmental conscious mindsets 8.

Respect and empower women & elders and their work 9.Creating harmony and happiness within the society 10.Preparing and presenting reports 11.Respecting and helping each other 12.Commitment and dedication 13.Improved Digital-Literacy 14.Compassion towards socially and economically weaker sections.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Our students have received no. of awards and recognition from various organisation for their extension activities in the last 5 years. The institution has established NSS Wing, Red-Cross Society, Yoga & Meditation centre, Women Empowerment Cell and Departmental Associations to conduct adequate extension and sensitising activities regularly as per the national interest. The institution has been successfully implemented the Prime Minister's flagship programme "Unnat Bharat Abhiyan (UBA)", Ministry of Education, Government of India. Under the UBA programme the institution has adopted nearby 5 villages for participation in technological intervention and village development. The institution has organised village and household surveys and meetings with Gram Panchayat Development Officers (PDOs), Chairmans, subject expert groups (SEGs) and other key persons for preparation of village development plan (VDP) for adopted villages as per the UBA guidelines.The institution received appreciation letters from all Panchayats of adopted villages. Based on the survey reports and recommendations of the Gram Panchayats and village survey coordinators, the students and staff members have prepared SEG project proposals for "Technology Development" and "Customisation of Technology" and submitted them to UBA. The proposal on "Community Advanced Solar Dryer for Agro-Products" has been selected by SEG-IIT Delhi and it has been completed successfully by the participation surrounding the farmer community. This project is appreciated by the adopted village Gram Panchayats.

 As a part of the AICTE activity and Social Internship, the students are undergoing the various extension and sensitising activities in the Gram panchayats and Municipals and received certificates from the government and non-government bodies. The Red-cross society of the institute has conducted "Blood-Donation-Camps", "Eye-Check-up-Camps" and "Health-Check-up-Camps" regularly and successfully and received appreciation from the concerned agencies. The active "Women Empowerment Cell" has conducted sensitising activities such as "Women Pakhwada", "Nari-Shakti" etc., regularly as per the directions and guidelines of governments from time to time and received appreciation from eminent personalities. The departmental associations were conducted various extension and sensitising activities on issues related to the environment, water, soil, waste, energy, ecology, agriculture, socioeconomic development, health etc., and received appreciation from great personalities and agencies. The institution

has conducted energy, environment and green audit and it is certified from the certified agency. The "Vermi-Compost Plant" has been established in the campus for recycling of the various bio-wastes and is appreciated by visited dignitaries. The eminent personalities visited the campus during various auspicious occasions and casually, their feedback/opinions are recorded in the institute's "Visitors Diary". The institution is a recognised Social-Entrepreneurship, Swachhta & Rural-Engagement-Cell-(SES-REC) by the Mahatma Gandhi National Council of Rural-Education, Department of Higher Education, Ministry of Education, Government of India. Under the SES-REC, institute has made a plan and constituted ten working groups for improving facilities in the campus, community and adopted villages in the areas of Sanitation & Hygiene, Waste-Management, Water-Management, Energy-Conservation and Greenery during post-COVID-19, along with the observation of three environment, entrepreneurship and community engagement related days to inculcate in faculty, students and community, the practices of Mentoring, Social-Responsibility, Swachhta and Care for Environment and resources.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 152

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
12	37	29	46	28

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 274

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

All the physical facilities have been established for an effective teaching and learning process in the campus as per standard recommended by AICTE and Visvesvaraya Technological University, Belagavi from time to time.

Classrooms: College has 20 well ventilated, spacious classrooms equipped with LCD projectors, ICT facilities and internet connections.

Tutorial rooms: Separate 7 tutorial rooms are available in the college campus for tutorial lectures, doubt clarification and special remedial classes for slow learners and needy students.

Laboratories: Institute has total 43well equipped laboratories with state-of-the-art equipment and facilities. These labs are utilized for conducting practical sessions as per the requirements of the curriculum. Labs are also utilized for conducting workshop & training as a part of teaching contents beyond the syllabus.

Seminar halls: For conducting extracurricular and Co-curricular activities, the institute has department wise seminar halls. These halls are used for conducting student's association activities, national/international level technical activities.

Drawing hall and CAD lab: The college has drawing hall to facilitate students to carry out the engineering drawing activity. Also college has CAD lab for students to experience and experiment on engineering drawings using computerized drawing tools.

In addition to available computing facilities as per AICTE norms/guidelines, Institute encourages students and staff to use open-source software along with licensed software.The Institute has 104 Mbpsdedicated leased line internet connection with 1:1 contention ratio from the BSNL, Belagavi and total of 414 computers are on internet through LAN as well as secured Wi-Fi with 35+ Hotspots spread across campus including facilities inside the hostel premises.

ERP and automation software for academic management, LMS, office automation and outcome-based education is procured and is functional in the campus for efficient management of student information.

For the overall development of students, the institution is providing adequate facilities for psychological and physical development of the students and Staff members.

Gymnasium and sports facilities: Exclusive infrastructure and human resource have been made available to promote indoor/outdoor games to motivate students for participation in various events for Intra-Institute and University Level. For the various sports activities, we have an athletics ground. It is also used for playing Cricket, Running, Throw-ball, Football, Kabaddi etc. For indoor games, sufficient space is available for playing badminton, table tennis, chess and carrom. Gymnasium equipped with all types of gym equipments and are provided for both boys and girls the students to improve their physical health in the campus as per well defined schedule.

Cultural Activities: College has open air theatre for conducting cultural activities. Every year we organize a cultural fest called "Sambhrama". The Institute has cultural coordinator to promote the cultural activities inthe institute and motivate students to participate in University/State/National level competitions. Sports equipments of higher standard are provided generously.

Yoga/Meditation Space: The Institute has separate Yoga center with meditation for all the stake holders. The physical director and some of the faculty members who are expert in yoga and meditation conduct sessions for students and staff. Students practice yoga and meditation activity along with these trainers.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 30.04

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
3.64	17.29	14.588	27.43	30.166

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The library is fully automated using Integrated Library Management System (ILMS) computerized with e-LIB,16.2 version (2017) software. Our college library is a e-consortium member of Visvesvaraya Technological University, Belagavi and DELNET which provide web access to adequate number of e-books, e-Journals, Periodicals, thesis, Database 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: Springer, Elsevier, IEEE, Taylor & Francis, Science direct etc.

The Digital library, a part of Central library has adequate number of terminals to facilitate searching/accessing e-resources, web browsing and for other academic work. Provision has also been made to allow downloading/printing of material from these resources. The library also provides access to Internet as well as CD/DVD based electronic resources. Adequate space is provided for browsing and relaxed reading.

Library facility at glance:

- Total Area of the Library: 528 Sq.Mt.
- Total Seating Capacity: 150
- Number of Volumes: 34994
- Number of Titles: 8867
- Number of magazines: 10

- Number of print journals: 36
- Number of online journals: 13,000
- Number of newspapers: 11
- Total investment on procurement of books: 1.42 Crores

Library working hours:

The college central library is kept open from 9.00 AM to 5.30 PM. During examination, reading and reference sections are kept open from 9.00 AM to 12:00 AM.

Book bank facility:

Book-bank facility most special feature of our college library, through which complete set of book required for semester are issued at beginning of each semester. Weekly circulation system, students can take set of books throughout the semester.

Rare books and reports:

Rare books, manuscripts and research project reports are made available to students in the library.

Subscription to e-resources:

The college purchases yearly subscription of e-resources like e-journals, e-books, plagiarism software, DelNetetc. Some of e-journals are Elsevier, IEEE, Springer, Taylor and Francis, Emerald and Proquest.

The total expenditure on purchase of books/e-books and subscription tojournals/e-journals during the last five years is Rs. 10,71,554.00 with cumulative investment of Rs. 1.42 Crores. The teachers and students are using library facility effectively and effectively on regular basis.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

Institute continuously strive to provide state-of-the-art Technologies and updates its ICT facilities from time to time to ensure efficient learning resources. Institute upgrades the IT-facilities as per the requirements and the norms prescribed by AICTE and University time to time. For the AY:2023-24, 100 new desktop systems with latest Configurations (i5-processor) have been procured to upgrade computer laboratories. The Core layer switches in the buildings are connected with the Optical Fiber Ring Network. This core switching is further extended to Distributed Switching for all the Departments, Hostels and Office premises.

The Internet bandwidth has been upgraded as per the requirement of the statutory bodies along with secured Wi-Fi. The Wi-Fi facility was installed with latest Cisco wireless controller, Hardware Firewall and 36 Wireless Access Points. All buildings, hostels, classrooms, Seminar halls, conference rooms and common areas in the campus are Wi-Fi enabled. All teaching staff members use the ICT facilities in the classrooms and laboratories whenever needed. The CCTV Surveillance system is established in all the rooms, Seminar/Conference halls and open areas. Intercom system is provided in HOD room, staff rooms and in laboratories for ease of communication.

No. of Systems and their Configuration: Institute having a total of 414 computers with the following configuration:

1. HP-Pro-Tower 280 G9-PCI-Desktop: Processor i5, 16 GB RAM, 500 GB SSD and 1 TB HDD: 64
2. HP-Pro-Tower 280 G9-PCI-Desktop: Processor i5, 16 GB RAM, 500 GB SSD :36
3. Dell-Optiplex 3080 Core i3 16 GB RAM 1TB HDD:20
4. Dell-Optiplex 3080 Core i3 8 GB RAM 1TB HDD: 20
5. Dellx3670MT103lNg-vostro Core i3-8100, 4 GB, 1 TB HDD :30
6. Lenovo-Desktop Intel i3 4GB 1TB HDD : 2
7. Dell Corei3, 4 GB RAM, 500 GB HDD:30
8. Lenovo-Think-Centre-Intel Corei3, 4 GB RAM, 500GB HDD :15
9. Lenovo-Think-Centre-Intel Core i3, 2 GB RAM,500 GB HDD:104
10. HP-Dx7400 Tower-Model, Intel Core Dou ,4 GB DDRAM, 500 GB HDD :25
11. IBM-Server-Intel-Xeon E110 4 GB RAM, 500GB : 8
12. Lenovo-Think-Centre-Pentium Dual Core E5300, 2 GB RAM, 320 GB HDD: 34
13. Lenovo-Intel-Core2 Duo, 2 GB RAM, 250 GB HDD :21
14. Lenovo-Intel-Core 2 Duo 2GB RAM 160 GB HDD: 6

System software: The College is having licensed operating systems like   Windows-10 Pro, Windows-8.1 Pro, Red-Hat-Linux, Windows-7-Pro, Windows-XP, Windows-Server-2003, Windows-NT, Windows Millenium, Ubuntu, Fedora

Application software: The College is having licensed application software which are required for office work and academic purpose. The list of application software is as follows, MS Office 2000, Oracle 8i, Ms office XP Pro, MS-Office 2010, Visual Studio 6.0, Cadence, Auto Cad, MAT Lab, Edge-Cam 2014 R1, Ansys R11, Solid-Edge-V19, Model Sim, Catia V5, Cadem, Quick-Heal Anti-Virus, DrillBit, Mi-Power etc.

Internet Connection: The institute regularly updates the internet connection every year and as of now, the available internet bandwidth is 104 Mbps provided by BSNL.

Firewall/Security: Institute uses firewall service from Fortigate-310B.

Networking-Equipment: Institute has networking devices i.e. Aruba AP-105 Access points, CISCO 3560 and 2960 Core Switches, D-Link Switch 24 P ort (Unmanageable), Aruba-650 Access Controller, CISCO 2800 Router.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 1.95

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 373

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	[View Document](#)
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 43.38

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
23.9	22.0	13.13	29.888	45.53

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 77.44

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
664	492	490	473	607

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[View Document](#)
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	[View Document](#)
Upload policy document of the HEI for award of scholarship and freeships.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

1. *Soft skills*
2. *Language and communication skills*
3. *Life skills (Yoga, physical fitness, health and hygiene)*
4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 81.85

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
554	598	610	704	415

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Proof for Implementation of guidelines of statutory/regulatory bodies	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 66.4

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
86	102	118	186	180

5.2.1.2 **Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
126	180	161	277	268

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	**View Document**
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	**View Document**
Institutional data in the prescribed format	**View Document**
Provide Links for any other relevant document to support the claim (if any)	**View Document**

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 5.59

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
01	03	02	06	07

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	**View Document**
Institutional data in the prescribed format	**View Document**
Provide Links for any other relevant document to support the claim (if any)	**View Document**

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 26

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*

2022-23	2021-22	2020-21	2019-20	2018-19
9	4	2	2	9

File Description	Document
Upload supporting document	[View Document](#)
list and links to e-copies of award letters and certificates	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 36.6

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
53	46	5	34	45

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Institute has established an "ALUMNI ASSOCIATION HIRASUGAR INSTITUTE OFTECHNOLOGY" on 11th February 2011 under Karnataka Society Registration Act, 1960 with registration No: D.R.L/S.O.R/BGM/1245/2010-11. The association has conducted many formal and informal alumni meets during the last five years. Every passed-out student is enrolled as life member of associationby registration. The organization structure of Alumni association of HSIT consist of President, Vice-Presidents, Secretary, Joint Secretary, Treasurer and members. Enrolling as the member of alumni association is one of the easiest ways to reconnect, contribute back to the institute, and serve as a spring board for further involvement.

Alumni Association HSIT, regularly organizes alumni meets at different locations of the country. Our alumni are serving their alma mater by: 1) Participating in the programs like seminars, workshops as a resource person. 2) Delivering expert lectures regularly and guiding the students about new trends in the industry, skill enhancements, and professional ethics and catering student's need of career. 3) Evaluating various technical events as jury member. 4) Guiding and mentoring their juniors in getting placements. 5) Contribution in curriculum development. 6) Donating books to the students. 7) Giving cash prizes to the meritorious students.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.

Some alumni members are acting as a mentor and morally supporting their juniors from rural places to get fresh job and to sustain in the existing job in the metropolitan cities. Some alumni members are visiting the institutes as a chief guest for various auspicious occasions such as "Annual Social Gathering", "Welcome/Freshers Function", "Induction Programme" etc. Alumni members are also participated as an "External evaluator" in the "Project Exhibitions and Demonstrations", "Techno-vision-A Project Exhibition of Diploma Students", "HIT-QUEST: National Level Competitions on various Technical Activities" organized by the departments.

The entrepreneur alumni have motivated and created awareness among their juniors on the topics "Entrepreneurship Skills", "Innovation and IPR", "Products and Patents" etc.The institute has organized alumni meets at Bengaluru with the help of "Bengaluru-Chapter" and at Pune "Pune-Mumbai-Chapter". Alumni members are helping the institute to enhance its admissions qualitatively and quantitatively through their social networks. Alumni member is also participated in the IQAC meetings and departmental various committee meetings. Alumni members are acting as bridge between industry and

academia by transferring and sharing the knowledge of relevant industry trends and emerging technologies such as "3D-Printing", "AI-and-ML", "Cloud-Computing", "Internet-of-Things", "Innovation and Design Thinking", "GD&T", "Computational Fluid Dynamics", "PLC and SCADA" etc. through different activities, interactions and platforms. Alumnus has deposited an amount (FD) to give cash prize to students for scoring highest marks in the specific subjects/class in university examinations.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

The Vision, Mission of the institute are framed considering its perspective plans for implementation of NEP, Sustained growth, and decentralised governance.

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 managed under the leadership of His Holiness Shriman Niranjan Pancham Shri. Shivalingeshwara Mahaswamiji of Siddha Saunsthan Math, Nidasoshi, on charity basis. Mahaswamiji is the Sole Trustee and President of SJPN Trust. The President appoints the Advisory Committee, selecting seven people from different walks of life for a period of five years. 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 Institute Level by Head of the Institution. At department level Head of the Department receive instructions from HOI for timely implementation of decisions of the management.

The institution has various Dean positions like Dean-Academics, Dean-Research and Development, Dean-Examination, Dean-Students Welfare and Dean-Training and Placement to shoulder responsibilities for the implementation of Academics, Examination, Research & Development , student welfare and Placement enhancement policies and academic activities. As per the guidelines from VTU Belagavi, institution teaches courses as envisaged in NEP-2020, for undergraduate students from the academic year 2021-22.

The Governing council of Institute is constituted as per AICTE guidelines from time to time. Two faculty members one of the Professor cadre and other of Assistant Professor cadre are nominated to governing

council. This platform helps teachers to participate and suggest their views in the major administrative decisions of the management.

Decentralization & Participative Management

The institution is functioning effectively with the culture of participative management. 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 weekly academic review meetings with all Deans and HODs of all departments. HODs & Deans will conduct the meeting with the concerned members on various matters and the decisions are made on consensus.

Institute level committees are constituted. All the employees are given equal opportunities to participate in various committees. Faculty of all cadres are in various committees as coordinators/members. Supporting staff and Student members are also included in various committees as per the guidelines of AICTE/University/Institute.

Perspective Plans:

The head of the institute interact with internal/External Stakeholders the extensive components of the perspective plans of the institute and it is finalized in the Management/Governing council meetings. The Short-term/Long-term Strategic Plans of the institute are developed by considering the feedbacks /opinions of all the stakeholders.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Perspective Plans:

The head of the institute interact with internal/External Stakeholders and prepare the extensive components of the perspective plans of the institute and it is finalized in the Management/Governing council meetings. The Short term/Long term Strategic Plans for the institute are developed. Some of the salient features of the plan are

Strategic Plans:

- Development of research ecosystem in the campus.
- Establishing the Centre of excellence.
- Signing MOUs with reputed industries and R & D Organizations.
- Establishment of Innovation Council and Start-ups to encourage EDP.

Case Study:

1. **Financial Sanction for Technical Intervention project (No. RP-03525G) under UBA 2.0:**

Technology Intervention proposals under the category of "Technology Development": Project-No: RP-03525G entitled, "Advanced Community Solar Dryer for Agro Products" submitted under the Unnat Bharat Abhiyan-2.0 Program, has been sanctioned by Sustainable Agriculture System SEG and funded by the National Coordinating Institute UBA 2.0 (IIT Delhi) against UTR No. – 269545171 vide dated 30-12-2022.

1. **KFIST Level (1) project under the VGST Scheme:**

KFIST Level (1) project under the VGST Scheme - project titled "Coplanar Capacitive Coupled Probe Fed Micro strip Antennas with and without Air Gap for UWB and Multiband Applications" is sanctioned for Financial Year 2017-18 to Electronics and Communication Department and the total project grant awarded for a period of 2 years is Rs.20.00 lakhs.

1. Vision Group of Science & Technology (VGST) Government of Karnataka has sanctioned Fund of Rs. 2.00 Lakhs, vide letter No. KSTePS/VGST/FDP/2019-20/FDP-08/93/2020-21/669, dated 25-10-2021 for 4-Days VGST Sponsored Faculty Development Programme on "Software Engineering and Testing Methodologies" heldduring 16-19th March, 2022 and was organized by department of Computer Science and Engineering

Organogram of the Institution:

The President & Advisory Committee:

His Holiness. Shriman Niranjan Pancham Shri. Shivalingeshwara Mahaswamiji is the Sole Trustee & President of the trust 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 is responsible for the day-to-day functioning of the institute. The flow of administrative structure is explained in the organization chart.

Governing Council:

Governing Council is constituted as per AICTE guidelines.It includes Chairman, Nominees of Management, and Members representing Academia, Faculty and Principal.

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 larger extent. Allotment of subject, workload, monitoring of syllabus coverage, planning and organizing seminars Guest lectures, Workshops, Industrial tours, Staff orientation programs, Remedial sessions for slow learners, Personality development programs, project works etc. are also organized as per the instructions of the HOD.

Appointment of Staff Members:

Advertisement is published in all leading newspapers for recruitment and staff members are appointed as per norms of the VTU Belagavi and AICTE, New Delhi as and when required by the head of the institution.

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2

Institution implements e-governance in its operations

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	[View Document](#)
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)	

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

Teaching Staff:

The institute maintains well documented Service rule book, which is provided to every staff at the time of appointment. Service book is maintained in the office 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.

The college has adopted well designed performance appraisal system. Every teacher has to submit annual 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, R & D, Consultancy, publications of research papers, books, etc.

Every teacher is provided with a copy of annual self-appraisal form. He/She submit his/her annual transactions in the Proforma 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 the same to principal with his 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 rewards are decided. The effective date of assessment for appraisal is 1st October to 31st November of every year.

Non-Teaching staff:

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

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

- Faculty members are supported for higher studies in the fields of specialization in reputed institutes and University.
- Group insurance scheme for both teaching and non-teaching staff.
- Maternity leave for lady faculty members.
- Medical Leave for all eligible staff suffering from chronic diseases.
- Various leaves available to teaching and non-teaching staff are Vacation Leave, Casual Leave and Earned Leave.
- Employee Provident Fund facility for teaching and non-teaching staff.
- Soft Loan facility is available for institute staff through Co-operative Society.
- Medical facility with full time resident Doctor is available in the campus.
- Staff quarters facility for teaching and non-teaching staff in the campus**.**

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.3.2

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

Response: 74.75

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**

2022-23	2021-22	2020-21	2019-20	2018-19
24	58	32	63	51

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 56.58

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
24	58	32	63	51

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
17	14	21	22	24

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the certificates of the program attended by teachers.	[View Document](#)
Annual reports highlighting the programmes undertaken by the teachers	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

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 by way of merit scholarships. The sponsorships received for conducting online/offline examination from outside agencies. Since the institute is a self-financing. Institution, funds so generated is used for payment of 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 include purchase of equipment, infrastructure development, maintenance, furniture work, repair and maintenance, office expenses, printing & stationary and other miscellaneous expenses. The funds are utilized in accordance with the budgetary provisions made with prior approval of the Management.

Budget for the next academic year is prepared in the current academic year during Month of April every year. Budgets and compliance to budgets, financial data are closely monitored in the institute. Every department/section prepares budget based on the key requirements (work items) as mentioned in the institutional processes as well as the goals set for the year. Institute utilizes the financial resources against the budget provision and financial power is given to the Principal.

- The budget requirement of all department/ sections is submitted to Principal's office.
- The items required along with their quantity are justified by respective HODs/section in-charges along with submitted budget.
- The efficient use of financial resources is ensured by allocating the finance required to procure the items which are need based from the departments/sections.
- 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 theVouchers.

All the funds are deposited in the bank and all bills on recurring & non-recurring expenses are disbursed through cheque payment.

Mobilization of funds from other various sources (government/ non-government organizations):

Our Institution being is a private un-aided, self-financing institute, the other major sources of funds other than Academic Fees are:

Additional funding sanctioned from various government/non-government funding agencies such as, Unnat Bharat Abhiyan (UBA) from Govt. of India, VGST (Vision Group of Science and Technology) and KSCST (Karnataka State Council for Science and Technology), VTU (Visvesvaraya Technological University) etc., for research and seminar proposals submitted by various departments.

Internal Financial Audit: Internal financial audit is the continuous process and is monthly done by Accounts department of the Institute. The expenditure incurred on all heads of accounts are read and approved in the monthly meeting of Advisory Committee meeting of the Trust.

- Audit Reports
- Government agency fund audit information
- Management Meeting documents

External Audit: External Audit is done by the highly reputed Chartered Accountant for every financial year.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

IQAC was established in the institute on 10th March 2018 and is dynamic and functional.

IQAC of the institute is contributing significantly towards delivery and sustenance of quality education and inculcating quality culture among the students and staff. The IQAC is functional and dynamic. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes viz;

- Promote industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.
- Motivate to take up innovative projects of national importance to inculcate research and innovation culture among under graduate students
- Implementation of outcome-based education (OBE) in each program.
- GATE coaching and soft skill classes for students to enhancepersonality and employability.
- Conducting quality programs like seminars, webinars, conferences etc.
- Establishment of various processes to take feedback/surveys fromvarious stakeholders.
- To implement and enhance the use of ICT tools to strengthen the teaching-learning process.
- Establishment of the Mentor-mentee process and its effective implementation.
- To make best efforts to make the campus ragging-free and develop the discipline in the students and establishment of grievance redressal cell to resolve their grievance it may related to admission, academics and scholarship etc.

IQAC in the college works on improving the teaching-learning process and supports adopting Outcome-Based Education (OBE) in all programs of college regularly. The Program outcomes (POs), program-specific outcomes (PSOs), course outcomes (COs) adapted from NBA are prepared by each program considering Bloom's taxonomy in consultation with faculty, external stakeholders like alumni, industry persons and professional body members.

The POs, PSOs, and COs are mapped with adequate justifications and attainment are measured at completion of every semester and their assessment annually for all outgoing batches. For improvement of attainment levels, the efforts such as remedial, make-up and tutorial classes on critical courses/topics are planned and conducted to slow learners. Beyond curriculum activities are also planned and implemented, this helps in improving the overalldevelopment of students and in turn employability percentage.

The IQAC makes all efforts to improve the teaching-learning process through standardacademic practices, these academic practices include:

- Preparation and adherence to Academic Calendar prepared before the commencement of every semester in line with university COE.
- Guiding to make right choice of open/professional Electives at department level.
- Mentor-Mentee distribution and timely counselling as per schedule.
- Course Delivery plan(Online / Offline class)
- Conduction of Seminar, Projects, Industrial Training
- Monitoring of class delivery
- Attendance Monitoring of students
- Reviewing Syllabus coverage weekly
- Setting up the internal question papers and assignments as per Revised Bloom's Taxonomy (RBT) and their scrutiny and verification by assigned module coordinators for engineering program streams

- Conduction of internal examinations
- Evaluation of Internal test answer scripts as per prepared scheme of evaluation
- Identifying Slow and advanced learners through well established process.
- Industrial Visits & Guest Lectures.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5.2

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	[View Document](#)
NIRF report, AAA report and details on follow up actions	[View Document](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

To promote the gender equity, our institute has adopted many multifaceted approach that addresses biases, barriers and cultural norms as detailed below:

The Institute organizes special programmes for gender sensitization. The institute is following an open and transparent system of recruitment purely based on merit for recruiting whether male or female. The staff selection is carried out through an open advertisement followed by test presentation and interview.

The campus has proved to be very secured 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. Maternity leaves as per rules are provided to needy staff.

Both boys and girls are given equal opportunities in all the matters of institution academics and administrative activities. General Secretary (Boy) and General Secretary (Girl) are nominated among final year students as per well defined process. Best Girl and Best Boy award is instituted to recognize and honor the meritorious students of final year. General championship is awarded to boys and girls separately in all the sports organized by the institute.

To ensure safety and security, in Girls' hostel, a full time Warden and security guards are providedshift-wise. CCTV cameras are installed at strategic locations in the campus. Anti-Sexual Harassment and Grievance Redressal cell is established in the institution to monitor and address safety, security, and social issues. Residential doctor is appointed for regular health issues of boys and girls students.

The Institute provides academic, stress-related personal counseling and guidance to male and female students in mentor-mentee meetings regularly. Separate Common rooms are provided for girls with necessary facilities like first aid box, rest room, cots, beds, mirror, chair, table, dustbin, sanitary napkin vending and Incinerator machine etc.

To ensure gender equity & sensitization in curricular and co-curricular activities, various programs are organized regularly in the institute. International Women's Day was celebrated on 11th March 2022 in which an online talk on "Women Health and Hygiene" organized, ainvited talk on "Health awareness and COVID – 19 Precautions" was organized on 15th December 2021, Indoor sports – shuttle badminton, carrom and chess was conducted on 31st May 2022.Institution has organized a Felicitation Program to Ku. Priyanka Kamble for Securing 670th Rank in UPSC exam on 25th August 2020, **Awareness program on World Cancer Day to all the staff and students on 4th February**

2021, International Women's Day on 8th March 2021 and the Rangoli Competition on 10th April 2021.

On the eve of International Women's Day following activities were organized in the first week of March 2023 – Essay Competition, Elocution Competition, Cooking without Fire, Rangoli Competition. International Women's Day was celebrated on 10th March 2023 in which a talk on "Role of Women in nation building" was given by Dr. Vijaylakshmi Balekundri, An invited talk on "Health awareness" was organized on 6th December 2022, the Outdoor sports – Lagori, Cricket, Chess, Carrom, Table Tennis was conducted on 28th June 2023.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	[View Document](#)
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The

institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	[View Document](#)
Policy document on environment and energy usage Certificate from the auditing agency	[View Document](#)
Green audit/environmental audit report from recognized bodies	[View Document](#)
Certificates of the awards received from recognized agency (if any).	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural and linguistic background, there is no intolerance towards cultural, regional, linguistic, communal socio economic and other diversities. To build a nation of youth who are noble in their attitude and morally responsible, the institute is proactively taking efforts in providing an inclusive environment. The initiatives are taken to promote better education and setting communal harmony. The various departments of the HIT & NSS unit conduct orientation programs, awareness programs, workshops, webinars, commemorative days celebrations and outreach programs to fulfill these.

The college celebrates all the festivals of India irrespective of cast and cadre. This is an important and integral part of learning and building a strong cultural belief in a student. The College makes tremendous efforts to celebrate the national and international events with great enthusiasm to commemorate the

ideology of nationalism and to pay tribute to our great national leaders. Some of the events organized during 2021-22 are as below.

Institute celebrated 75th Independence Day on 15/08/2021 as Azadi Ka Amrit Mahotsav by organizing Bicycle Rally from College to Mallikarjun Temple,Ammanagi. The function is inaugurated by Principal Dr.S.C.Kamate by hoisting the tri-color flag in presence of all staff members and students. After invocation song, Principal gave speech on Azadi Ka Amrit Mahotsav.

75thIndependence Day Celebration "Azadi Ka Amrut Mahotsav" has been organized by NSS Unit in the Campus from 12thto 15thAugust 2022. To celebrate the event unit had organized various activities like Awareness Rally, Plantation, Khadi Day, Poster Presentation, Fancy Dress Completion on Freedom Fighters, Speeches & songs etc. Everyday Principal Dr. S C Kamate hosted the flag in the presence of all staff members and students.

Institute celebrated 73rd Republic Day on 26/01/2022. NSS Unit has organized a function, it began with flag hoisting by Principal Dr.S.C.Kamate. After the flag hoisting students from I year gave speech on purpose of celebrationand function was concluded with address by Principal.

NSS Unit of Institute has organized 131" Birth Anniversary of Dr. Bhimrao Ambedkar on 14/04/2022, Birthday is celebrated by doing pooja to his photo. Principal sir delivered speech on "Struggle of Dr. B R Ambedkar" in framing the Constitution.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

The institute has culture of many best practices in place, the following are the two most effective practices:

Best Practice I:

Title: "Techno-vision", A State level project and paper presentation competition for Polytecnic students.

Objectives:

·   Recognize innovative ideas of students.

·   To expose students with Engineering Staff and Students about career

·   To build confidence towards higher studies

The Context:

Innovations play a vital role in resolving societal and industrial problems. Hence identifying relevant ideas and solutions through the project exhibition is necessary. As per NEP-2020, we need to increase the higher education Gross Enrollment Ratio (GER) to 50% by the year 2035. This event will provide a platform to identify the best ideas and projects of national importance and increase the admissions to the institute.

The Practice:

The "Techno-vision" is organized every year by inviting diploma students across the states. The whole process of competition is transparent as the judges are from respective organizations to assess the projects and declare the results. The winners of various events are awarded cash prizes and certificates. This will boost their confidence and inspire them to pursue higher education.

Evidence of Success:

This event is successful to ignite the diploma students across the state to opt higher education and to provide opportunity to showcase their idea and projects of national-importance.In this event480, 250, 84, 130 and 127 higher education aspirants from 18, 10, 9,8 and 12 polytechnics and PUC colleges across the states have participated and won prizes worth of Rs. 50,000 every year during the years 2018-19, 2019-20, 2020-21, 2021-22 and 2022-23 respectively.By the successful conduction of the "Techno-vision", the lateral entry and first year admissions are improved. The presentation, demonstration skills and interest to do national-importance projects are also enhanced.

Problems encountered and Resources required:

The major problem encountered was the academic overlap of degree and diploma exam schedule and it has been resolved by organizing event at least one month in advance to the Diploma Board Exams.

The resources required: Manpower,Boarding and Transportation, Accommodation, ICT classrooms/campus and Well-equipped labs.

Best Practice II:

Title: "Book Bank Facility".

Objectives:

- Enhancing Access to Educational Resources
- Reducing financial Burden on students
- Supporting Academic Success Encouraging Responsible Resource Management

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- To various ways of awareness of the Bank Facility among the students.
- Touser satisfaction about book bank facility.
- To find out the usefulness of books provided to the students under the Book Bank Facility.

The Context:

The Book Bank facility for 'Every Student' is one of the important facilities rendered by the institute from its inception.More than 70% of the students admitted to our institute are from SC, ST and OBC categories with poor-financial background.This facility reduces the financial burden on students by offering textbooks at no cost. This facility is extended to all students regardless of socio-economic status there by promoting equity and inclusion among students. In this digital era inculcating the habit of reading and understanding through hard copies of books is also very important. The availability of all books of all subjects with the student for whole semester till completion of exams will help students to increase performance in the internal and external exams.Further it also fosters a culture of sharing and Cooperation among students by encouraging them to donate textbooks which they no longer need.

The Practice:

The Book Bank facility is a unique feature of the institute wherein all the students are provided complete set of textbooks from the library.The students are required to fill in the forms and a Library committee is authorized to sanction the facility for the all deserving and needy students. Every student will get complete set of books required for their course/program at the beginning of semester and will return book only after completion of SEE.

Evidence of Success:

With the help of "Book Bank Facility", students are inculcated the book reading habitand developed confidence to receive best performance in internal and external examinations. The parents are free from burden of books purchase. The culture of sharing and collaboration among the students has been developed. Under this facility,without any limit 5145, 4323, 2622, 4838 and 5338No of books are distributed along with the 35692, 37734, 38027, 38539 and 39271 regular no of books distribution during the years2018-19, 2019-20, 2020-21,2021-22 and 2022-23 respectively.Under this facility, the books are distributed to the students in 1:6 student-books ratio apart from regular books distribution.

Problems encountered and Resources required:

Maintenance of huge stock of books during vacations, few students do not return the books on time etc.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Hukkeri taluka of Belgaum District Karnataka State has been declared/notified as Educationally and Economically backward as per the Nanjudappa Commission Report of Government of Karnataka, where the institute is located. Even then this is the first institute in this region to get 'A' grade by NAAC in the 1st Cycle assessment and also accredited by NBA. The institute is recognized under the Prime Minister's Special Scholarship Scheme (PMSSS) for admitting Jammu-Kashmir students. Apart from said credentials and limitations, the institute is distinctive in its performance in the following areas.

Holistic Approach by a Spiritual Organization: The institute is established by and under the guidance of the great visionary His Holiness Shri Shivalingeshwar Mahaswamiji and Shri Nijalingeshwar Mahaswamiji of Shree Math, Nidasoshi, which is walk able distance from the college campus. Students are voluntarily participating in the spiritual, cultural, societal and sensitizing programs such as "Mahadashoha", "Jnana Dashoha", a Speech and felicitation of famous spiritual leaders, artists, achievers, awardees in specific domains. As Mahaswamijees are visiting to the institute campus regularly and interacting students directly. Student are learning and inculcating universal human values and best practices in the campus itself and the ambience became zero-pollution and ragging free and 100 percent harmonious. The NEP, IKS and OBE are truly in action since from long time. Students are celebrating and enjoying in cultural programmes.

Societal compassion and welfare: In view to help economically weaker students, the continuous awareness on various government and private scholarships has been created through "Scholarship-Help-Desk" lead by Dean-Student-Welfare. Similarly, for engineering aspirants, every year "Admission-Help-Desk" is functioning to help in filling online CET forms and related documentation. The free CET coaching and career guidance/awareness programs are conducted to take admissions to professional courses. The active training and placement cell and departmental associations (AIMSS, EESSA, ECSA, STAC) are instituted and developed by the students. The nearby banks are tied with the institute for financial support to the needy students. The management has taken many humanity-oriented stands during COVID-19 pandemic situation and admission with zero commercial insights.

Learner Centric Approach based on Class room Dynamics: As institute is situated in rural area, majority of the admitted students and their parents are lacking in communication skills. In view of poor input quality of the students, institute has implemented following policies to fulfill the dreams of the poor and rural masses:

- Initial diagnosis of student learning skills through tests, counseling, critical observations by class teacher/course coordinator.
- Categorization and grouping of the students based on their learning abilities and friend circles.
- Using of learner centric pedagogies and innovative teaching methods and aids to realize the basic concepts, to resolve complex engineering problems
- Learner centric counseling-mentoring for academic excellence and employment.
- Mentoring after graduation and socially connecting versatile-worldwide alumni-network for initial employment and employment growth and sustenance, knowledge sharing and welfare of

the students.

Village Development through intervention of Technology: The institute has adopted 6 villages under the Prime Minister's flagship program "Unnat-Bharat-Abhiyan-(UBA)". As per the guidelines of the program institute has address the problems of the adopted villages through the village and household surveys conducted by the staff and student volunteers and reports are prepared based on the data collected, proceedings of meetings of Chairman and Development-officers and recommendations of the Gram Panchayaths. Every year institute subject expert groups-(SEGs) prepare technology development and customization project proposals and submit to the UBA-SEGs for financial assistance. One SEG project on "Advanced Solar Dryer for Agro-products" has been completed successfully. As most of the students are from agricultural and rural background and completed AICTE activities and social internships, they experienced the problems of the farmers and their villages. Every year many students' groups have completed projects to resolve the problems of the farmers and to contribute for holistic development of their villages.

Dividing mess and self-cleanliness: The institute has empowered the wards/students and warden of the hostel to manage affordable, delicious and quality food. The total expenditure made towards food and its service in all heads is calculated monthly and it is divided among all students. The students are bringing their own plates for tiffin, lunch and dinner and cleaning themselves. The above said culture, the hostel inmates learn about "Quality and Affordability of the food", "Self-cleanliness", "Financial-Management", "Health-Consciousness", "Collective-Decisions", "Waste-Management" and "Respect towards food".

Socioeconomic up-liftment of rural youth through quality education: 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. The students come from nearby villages in the catchment area of 30 km. The students have benefited from the quality education provided by the college and attained the top positions in academic, social, cultural, sports, etc. Further, the institute's NSS and Red-Cross wings regularly organizing many activities, Further, the meritorious students are identified, and they are financially supported in the form of awards by alumnus and others.

Group Insurance for Staff and Students: Group Insurance facility is provided toall the students and faculty. These policies are issued under the name of the educationalinstitutionandtheclaimispaidouttotheguardianorparentofaffectedstudent/staff. The institution has Student Safety Insurance/Janata Personal Accident-Group Policy-(Staff), all the students and staff in the institution are covered for the sum-assured rupees 100000/- each. Features of Student Safety Insurance Policy/Janata Personal Accident-Group Policy is covered against loss of one or both limbs, one or both eyes, one limb and one eye, partial disablement, permanent disablement and in the event of death. Policy remains in force for aperiodof12months.

Financial Assistance to Merit Students: 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 announcement of university's results, students who 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.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

The management of our SJPN Trust exhibited compassion towards employee and nearby society by handling financial crisis very judiciously during COVID-19 pandemic situation.

Many famous personalities from versatile domains such as Educationists, Industrialists, Scientists, Court Judges, Philanthropists, Philosophers, Doctors, Awardees, Artists, Politicians, Comedians, Sports Persons are visited to our campus at different occasions formally and informally and shared their knowledge & insights through the interactions with our staff and students and among them some personalities are as below:

- Prof.U.R.Rao, Renowned Space Scientist, Former Chairman ISRO, Padma Bhushan & Padma Vibhshan Awardee
- Prof. Prabhakar Rao, , Renowned ISRO Scientist
- Dnyandeo Yashwantrao Patil,Former Indian politician, Governor of Bihar, West Bengal and Tripura.
- Shri. N. Santosh Hegde, Former Judge, Supreme Court of India, Former Solicitor General ,GoI and Lokayukta, GoK
- Prof.R Natarajan, Former Chairman AICTE, Director IIT Madras
- Dr.T.V.Kattimani, Member NEP-2020 Implementation Committee, Former VC Central Tribal University
- Swami Nirbhayananda delivered speech on "Quantum Physics on the occasion of "Graduation Day"

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
- 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
- Ms. Deepa Munnoli, Module Lead, Century link Inc,Monroe Louisiana, USA.

The institute has facilitated to conduct national importance exam NEET and other computer based exams during last five years and same practice continued. Some of our faculty members are working as a reviewer for reputed international journals and Chairman and member in the various committees of the affiliated university and other universities and autonomous institutes. Institute has adequate and qualified staff to maintain 14:1 Student:Teacher ratio to ensure & sustain quality in teaching learning. More than 77% students of the institution are benefited through Rs.5.99 Crores scholarships provided by various agencies.

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. Shivalingeshwar Mahaswamiji, the Tenth pontiff of Shri.Durdundishewar Siddha Sousthan Math, Nidasoshi is growing by leafs and bounds and has successfully completed 28 years of service in field of Technical Education. The institute is a prime reason for socio-economic developments and holistic growth of children of farmers, economically weaker sections of surrounding community and society. The SJPN trust is an instrumental to enhance family income of the surrounding society. The campus of the institute has adopted "Gurukul-System of Education" along with spiritual vibrations.

The institute is permanently affiliated to Visvesvaraya Technological University-(VTU). The institute has implemented the NEP-2020 and industry-driven VTU's revised curriculum. The well established IQAC has brought many reforms/revisions in the academics and its administration in line with the NEP-2020, AICTE and VTU. The IQAC is functional and dynamic and submitted AQARs of last 4 years on time. Our dedicated and persistent faculty members conducted/guided online classes, virtual labs, internships, trainings/seminars/workshops, sensitizing-extension activities,

Mentoring/counseling during COVID-19 pandemic situation. The faculty members have prepared e-content of the courses and made them available to the students through You-Tube/Web links.The Institution is continuously striving to provide Technical Education and sustain quality in academics through transparent Governance and Administration, retaining best people and practices and supporting students for placements. It has created a strong base of its Alumni across globe. The institution has implemented many best-practices and green-initiatives. The Institute provides academic, stress-related personal counselling and guidance to all students in mentor-mentee meetings regularly. The institute has provided all kinds of infrastructures including ICT facilities and services to implement reforms happened in the technical education regularly.

Many of our students participated in national and international events and received awards and appreciations. Getting after accreditation by NAAC and listing in the NIRF 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.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
2.1.1	**Enrolment percentage** 2.1.1.1. **Number of seats filled year wise during last five years (Only first year admissions to be considered)** Answer before DVV Verification: {TABLE_A} Answer After DVV Verification : {TABLE_B} 2.1.1.2. **Number of sanctioned seats year wise during last five years** Answer before DVV Verification: {TABLE_C} Answer After DVV Verification : {TABLE_D} Remark : DVV has made changes as per the report shared by HEI.
3.1.1	*Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)* 3.1.1.1. **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)** Answer before DVV Verification: {TABLE_E} Answer After DVV Verification : {TABLE_F} Remark : DVV has made changes as per the report shared by HEI.

TABLE_A:

2022-23	2021-22	2020-21	2019-20	2018-19
220	139	135	104	155

TABLE_B:

2022-23	2021-22	2020-21	2019-20	2018-19
220	139	135	108	157

TABLE_C:

2022-23	2021-22	2020-21	2019-20	2018-19
330	300	300	300	300

TABLE_D:

2022-23	2021-22	2020-21	2019-20	2018-19
330	300	300	318	318

TABLE_E:

2022-23	2021-22	2020-21	2019-20	2018-19
20	1	0.5	0	40

TABLE_F:

2022-23	2021-22	2020-21	2019-20	2018-19
21	.5	0	0	40

3.2.2	*Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years*

3.2.2.1. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
29	25	14	10	11

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	19	11	8	6

Remark : DVV has made changes as required.

3.3.1	**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
30	16	21	28	70

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
6	7	10	11	23

Remark : DVV has made changes as per prescribed format shared by HEI

3.3.2	**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
25	15	7	16	25

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
9	0	1	8	0

Remark : DVV has made changes as per the report shared by HEI.

3.4.3	*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

3.4.3.1. **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
24	42	37	69	40

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
12	37	29	46	28

Remark : DVV has made changes as per prescribed format shared by HEI

3.5.1	*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

Answer before DVV Verification :
Answer After DVV Verification :274
Remark : DVV has made changes as per prescribed format shared by HEI and values have been modified on the same basis

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations