	<p align="center">S J P N Trust's Hirasugar Institute of Technology, Nidasoshi. <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi. Accredited at 'A' Grade by NAAC Programmes Accredited by NBA: CSE, ECE, EEE & ME</p>	HIT
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Ref: HSIT/NDS/Annual report/2020-22/90/1

- 6 MAY 2021

ANNUAL REPORT-2020-21

By. Dr. S.C. Kamate


Distinguished invitees, media persons, parents, staff members and my Dear Student Hirasugar Institute of Technology, Nidasoshi is in the 23rd year of its glorious existence. Established in the year 1996 by the grace of Lord Duradundeshwar and the blessings of His Holiness Pancham Shri Shivalingeswar Mahaswamiji Siddha Sousthan Math, Nidasoshi. Presently the college is offering UG Courses in:

- Mechanical Engineering
- Electrical & Electronics Engineering
- Electronics & Commn. Engg.
- Computer Science & Engineering,
- Civil Engineering and
- Research Programme in ME, CSE, ECE, EEE and Chemistry

In the field of Technical Education, we have presented nearly 5500 engineers to serve the society. In spite of its rural location, the college has played a significant role in imparting quality education and it has been striving to provide holistic education by adopting an integrated approach that blends extracurricular activities, spiritual orientation, with the regular academics. Peaceful campus sprawling over an area of 79 acres is highly conducive to undisturbed learning. At present, 68 faculty members, 9 Faculty having Ph.D from different premier institutions are working and 610 students are pursuing their studies at various courses. Our college has accredited at 'A' Grade NAAC and ECE, EEE, ME and CSE programs are accredited by NBA in the year 2019. Also, our college has got permanent affiliation status from VTU in the year 2021.

FLAGSHIP PROGRAM

Our college is identified by IIT Delhi for Unnat Bharat Abhiyan (UBA) and agreed to participate & contribute social and economic betterment of the village communities. Our college has adopted Nidasoshi, Ammanagi, Kesti, Borgal and Hattarwat villages. Under the banner of UBA Volunteers' Participation in Village and Household Survey Conducted during 3rd – 9th September 2021.

	<p style="text-align: center;">S J P N Trust's</p> <p style="text-align: center;">Hirasugar Institute of Technology, Nidasoshi.</p> <p style="text-align: center;"><i>Inculcating Values, Promoting Prosperity</i></p> <p style="text-align: center;">Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.</p> <p style="text-align: center;">Accredited at 'A' Grade by NAAC</p> <p style="text-align: center;">Programmes Accredited by NBA: CSE, ECE, EEE & ME</p>	HIT
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LIBRARY

- Our library possesses Good Study, having Digital library with 14 Personal Computers, Reference section, Periodical section.
- 38,336 Volumes, 9871 Titles 13,139 E-Journals with investment as on date of 1.39 Crores.
- Library is kept open from 9.00am to 7.00pm daily & 9.00am to 12.00pm till midnight during examination including holidays.
- The library with a plinth area of 528 sqm. and a seating capacity of 150 students at a time.
- Learning materials are upgraded every year as per the requirement of VTU.

THE SPONSORSHIP OF PRIZES

For all the toppers and achievers, following noble people have annually sponsored different prizes.


- Sri. Gangadhar Kapse Cash prize for final Year Topper (Aggregate of 7th & 8th Semester) for Boy and Girl Separately.
- Sri. Vidyanand Kesti Cash Prize for overall topper in first year.
- Sri. Rudragouda Patil Cash Prize, for Mechanical branch Topper for 2nd, 4th, 6th & 8th semester Toppers.

INDUSTRIAL / TRAINING TOURS / STAFF' TRAINING / SEMINAR / WORKSHOP

- Electrical and Electronics department conducted 6 days AICTE Sponsored STTP on “Battery Management and Control Techniques in EVs”. from 23rd to 28th Nov. 2020.
- More than 28 webinars on advanced topics related to technical / non-technical organized by various departments.
- More than 180 students undergone internship training at various reputed industries from different parts of Karnataka.
- More than 50 faculty members have been sponsored to attend FDPs/STTPs hosted by engineering colleges from different parts of Karnataka.

OTHER ACTIVITIES

- Talent Hunt-2021 technical competition was conducted on 10th April 2021 for PUC-II science students.

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FACULTY ACHIEVEMENTS


- Dr. Basavaraj V. Madiggond received AICTE Grant of Rs 3 lakhs to organize STTP on “Battery Management and Control Techniques in EVs”
- Dr. Basavaraj V. Madiggond received a grant of Rs.50,000/- from Karnataka Renewable Energy Development Ltd., (KREDL) for organizing activity on Energy Conservation & Energy Efficiency.
- More than 10 faculties are recognized as resource person for FDPs / Training program Organized by various engineering colleges from different parts of Karanataka.
- More than 54 research papers published / presented through international conferences by faculties from various departments.

ACHIEVEMENTS IN PROJECT EXHIBITION & PAPER PRESENTATION

- More than 21 students projects are selected for KSCST and various other funding agencies for financial assistance.
- Mr. Naveen M. Umarane from mechanical department presented paper in the event “KOUSHALYA 2021” at Bharat Ratna Indira Gandhi College of Engineering Solapur on 18th-19th June 2021.
- Mr. Mrutunjay S. from mechanical department received 2nd prize in the event technical quiz in the event “Advitiya 21” at KLEIT Hubli on 5-6th July 2021.
- More then 30 students have participated in webinar on advanced topics organized by the engineering colleges from different parts of the Karanataka.

OUR PLACEMENT

Our Training & Placement Cell is actively working under Placement Cell Coordinator Prof. N M Patel. From last Two Years more than 155 leading organizations have visited our HIT Campus. For the academic year 2020-21 total 93 students placed (with Multiple offers 181 placement) out of 161 and 18 students are placed in current academic year 2021-22 and still Placement Activities are in process for 2021 passed outs and present eight semester outgoing students. We are Conducting Placement assured and assisted Trainings every year to enhance employability skills.

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OUR ALUMNI

Alumni Association HSIT organizes alumni meets at different locations regularly. Our Alumni association has most active team under the President Prof. Onkar Heddurshetti, of EEE Department. The high caliber Alumni of our institute are successfully employed in various government and private organization in India and abroad. Every year alumni are visiting the college and give their valuable suggestions and support for the further development. Alumni contribution of Rs. 1,38,500/- has been collected during 2020-21. More than 6 Alumni related activities conducted during the year 2020-21.

NATIONAL SERVICE SCHEME (NSS)

- Awareness program on “Covid-19 Precautions” was arranged on 5th June 2020.
- Awareness program on “Covid-19 RTPCR Test” was carried out on 17th November 2020.
- Organized Covid-19 checkup Camp on 20 November 2020
- Awareness rally on Energy Conservation was organized on 23th December 2020


SPORTS

- Mr. Vijayakumar J Imader 1st semester won silver medal at 7th Youth Rural Game & Sports Federation of India at Panchayat Ground, Goa 20 Nov. 2020 to 23 Nov. 2020
- Mr. Vijayakumar J Imader 1st semester won gold medal at 7th INDO-NEPAL Youth Rural Games Championship 2020-2021. held at by the Pokhara Rangasala Stadium, Pokhara Nepal 18th to 20th Jan 2021.
- Mr. Vijayakumar J Imader 1st semester won silver medal at 7th Federation cup Youth Rural Games St. Joseph's High school Calangute Goa. 26th – 28th March 2021.

PROFESSIONAL BODY ACTIVITIES

The Institution is conducting various activities with different professional bodies like,

- Indian Society for Technical Education (ISTE)
- Institution of Electrical & Electronics Engineers (IEEE)
- Institute of Engineers (IE India)
- Computer Society of India (CSI)
- Society of Automotive Engineers (SAE) etc. to enhance the quality of teaching learning Process

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INDUSTRY INSTITUTE INTERACTION

Our college has 14 fully functioned MOUs with reputed industries from different parts of Karanataka till date. These MOUs are for the benefits of students by conducting following programs


- Setting up a research and development lab
- Internship training
- Project guidance
- Conducting hands-on workshop on latest technologies
- Conducting seminar

OUR RESULTS

The overall result of our college is extremely well i.e., 81%. Out of 610 students, 70% students secured Distinction, 9% students secured First Class.




PRINCIPAL 15/3/22
 Hirasugar Institute of Technology
 NIDASOSHI-591 236

	<p style="text-align: center;">S J P N Trust's Hirasugar Institute of Technology, Nidasoshi. <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Permanently Affiliated to Visvesvaraya Technological University - Belagavi. Recognized under 2(f) & 12B of UGC Act, 1956. Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE,ECE,EEE & ME</p>	HSIT SAMBHRAMA
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July 23, 2022

ANNUAL REPORT-2021-22

Bowing at the Holi-Feets of **Lord Duradundeeswara**, the reigning deity of this holy land. My pranamas to His Holiness Panchama **Shri Shivalingeswar Mahaswamiji**, the President of our Trust and the motive force behind all our tasks. Chief Guest of today's function **Dr. C B Akki, Registrar, Indian Institute of Information Technology, Dharwad.** President of today's function **Sri. Rajendra Patil, Member SJPN Trust, Nidasoshi.** **Members of SJPN Trust Advisory Committee,** Distinguished invitees, Media persons, Parents, Staff members and my Dear Students.

Ladies & Gentlemen, as a head of this Institution it gives me an immense pleasure to present before you a brief report of the activities of our college for the academic year 2021-22. Hirasugar Institute of Technology, Nidasoshi, was established in the year 1996 by the grace of Lord Duradundeshwar and the blessings of His Holiness Pancham Shri Shivalingeswar Mahaswamiji of Siddha Soutthan Math, Nidasoshi, is in the 24th year of its glorious existence. Presently the college is offering,

UG Courses in:

- Mechanical Engineering(60)
- Electrical & Electronics Engineering(60)
- Electronics & Communication. Engineering(60)
- Computer Science & Engineering(90)
- Civil Engineering(60)

Research Programs in

- 1. Mechanical Engineering 2.Electronics and Communication Engineering 3.Electrical and Electronics Engineering 4. Computer Science & Engineering 5. Engineering Chemistry.

In the field of Technical Education, we have presented nearly 5500+ Engineering Graduates to serve the society. In spite of its rural location, the college has played a significant role in imparting quality education and it has been striving hard to provide holistic education by adopting an integrated approach that blends extracurricular activities, spiritual values, with the regular academics. Peaceful campus spread on over an area of 79 acres is highly conducive to undisturbed learning. At present, 63 faculty members, 13 faculty having Ph.D. from different premier institutions are working and 606 students are pursuing their studies at various levels. The NAAC peer team has visited our institution on 18th and 19th December 2018 for Assessment and Accreditation and our college has been **accredited at A grade by NAAC.** NBA expert Team has visited our college on 17th – 19th May, 2019 and all UG programs are accredited by NBA. Further, NBA compliance report was evaluated by expert team visited on 9th July, 2022 for extension of NBA accreditation validity period. I am happy to inform you that our college has received **Permanent Affiliation** status from Visvesvaraya Technological University, Belagavi and recently **2(f) & 12B reorganization by UGC act 1956** by UGC NewDelhi.

L



LIBRARY

The college library is stacked with more than 38367 volumes, 9887 Titles, 52 periodicals & Digital Library supported by VTU e-consortium with access to 9811 referred National & International e-Journals & 16800 e-Books. Learning material is upgraded every year as per the requirement of AICTE&VTU Belagavi. So far, more than Rs.1.4 crore is invested for procurement of books and periodicals including International Journals. The reference section of library is kept open upto late night hours during the examination period for the benefit of students. For this academic year 2021-22 we have invested worth Rs. 83280/- for procurement of library books. Book Bank Scheme is introduced to provide complete set of books at the beginning of semester to all the students. The seating capacity of reference section in the library is 150 students at a time.

SPIRITUAL ASSOCIATION

- Awareness camp on Swacha Bharat Abhiyan and Green & Clean campus to students and staff was organized in association with Ramakrishna Mission Mangalore.
- International Yoga Day was celebrated on 21st June, 2022.

SPONSORED PRIZES

- A Cash Prize of Rs. 2710/- is instituted by Shri Gangadhar Mallappa Kapasi, of Belagavi for toppers of B. E. Final Year students of all branches to be equally shared between boy and a girl. This cash prize is awarded to Miss.Anjana Hunachyali with 91.36% and Mr. Sachin Chinamuri with 90.70% of mechanical department
- A Cash Prize of Rs. 2707/- is instituted by Sri.Rudragouda Balagouda Patil,of Belagavi in the name of his late father Shri Balagouda Malagouda Patil for toppers of 2nd, 4th, and 6th Semester B.E. Mechanical Engg. Students.This cash prize is awarded to Mr. Pramod Ammanagi With 79.50% in 2nd Semester, Mr.Kiran S Dhange with 88 % in 4th semester, Mr. Babasabh Bagashahi with 87% in 6th semester and Miss. Anjana Hunchayali with 94.60% in 8th semester for the AY-2020-21
- A Cash Prize of Rs. 340/- is instituted by Shri Vidyanand Kesti of Nidasoshi in the name of Radhika Sankannavar for toppers of B. E. First Year students. This cash prize is awarded to Miss. Jyoti Benawadi of Electrical & Electronics engineering dept. for securing highest percentage of 87.45%

INDUSTRIAL VISIT / INTERNSHIP/STUDENT TRAINING PROGRAMS

- More than 20 Technical talks/Webinars on advanced topics related to technical / non-technical are organized by various departments.
- More than 180 students undergone internship training at various reputed industries from different parts of Karnataka.
- **More than 50 faculty members have been sponsored to attend FDPs/STTPs** hosted by Engineering Colleges from different parts of Karnataka
- Almost every faculty members have been sponsored to attend FDPs at IITs and NITs
- Our students are being sent for Industrial Educational Tours every year, to provide them exposure to the present state of the art technology.
- As a part of Industry Institute Interaction total of 10 Active Memorandum of Understanding (MoUs) signed with well-known companies like Bosch Technologies, Tech fortune, Crieontors, etc. and are benefiting to our students.
- Our students have presented total of 17 papers.



OUR RESULTS

The overall result of our College is extremely well i.e., 95.56%. 158 students have appeared and 151 students have passed out as Engineering Graduates from our college in year 2020-21. The overall result of all departments is 90% in 7th Semester for this Academic year 2021-22.

PLACEMENT

Our Training & Placement Cell is actively working under Placement Cell Coordinator Prof. N. M. Patel. In the last Two Years more than 155 leading organizations have visited our campus. For the academic year 2020-21 total 129 students are placed out of 159 and 140 out of 163 students are placed in current academic year 2021-22 and placement activities are still in progress for the passed out students and present eight semester outgoing students. Overall 73% of our students are placed in last two years. Pre-placement training is provided to all the students for improving the employability skills.

OUR ALUMNI

Alumni association registered under the chairmanship of Prof. Onkar Heddurshetti of EEE department. 5500+ highly competent Alumni of our institute are successfully employed in various government and private organization in India and abroad. Every year alumni are visiting the institute and providing their valuable suggestions and support for the development of the Institute.

PROFESSIONAL BODY ACTIVITIES

The Institution is conducting various activities with different professional bodies like,

- Indian Society for Technical Education (ISTE)
- Institution of Electrical & Electronics Engineers (IEEE)
- Institute of Engineers (IE India)

NATIONAL SERVICE SCHEME (NSS)

Various activities were conducted by our college NSS unit. They are

- Invited talk by Prof. T V Kattimani, Vice Chancellor, Central University for Tribal of Andhra Pradesh on "New Age Teaching & Training -The role of teachers" in the context of NEP-2020 was organized on 16th May, 2022.
- Poster presentation on "World Earth day" and Tree plantation by final year students was organized on 17th May, 2022.
- Blood donation camp on eve of " World blood donors day" in association with Annasaheb Galatage Lions blood bank, Gadhingalaj (48 donors donated blood) was organized on 15th June, 2022
- Condolence meet was organized Bharatratna Lata Mangeshkar & Padmashree Ibrahim Sutar on 07th February, 2022.
- 131st Birth anniversary of Dr. B R Ambedkar on 14th April, 2022. Basaveshwar Jayanti on 04th May, 2022 and Budha Poornima on 16th May, 2022 were celebrated.

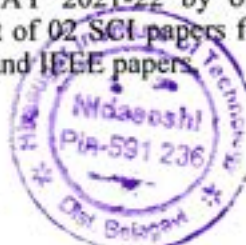
WOMEN'S DAY CELEBRATION

- Online Session on "Women Health and Hygiene was conducted by Mrs. Nitya Chaudhary, CSR Executive, Unicharm India on 11th March, 2022.
- Womens Day was celebrated on 11th March, 2022. Dr.(Smt.) Laxmibai Ainapure, Rajyostava Award Winner 2012 folk Artist of Salalli, from Ramdurga was chief guest.
- Dandiya Event on the eve of Dasara for all girls and staff members on 12th October, 2021 was organized.



FACULTY ACHIEVEMENTS

- 03 Faculties are awarded Ph.D. from Research Centre of Mechanical Engineering Department. Mr. M M Shivshimpi under the guidance of Dr. S A Alur, Mr. E N Aitwade, and Mr.G B Vaggar under the guidance of Dr. S C Kamate.
- 02 Faculty members of ECE Dept. Prof. S. B. Akkole, Prof. S. S. Ittannavar recieved with Ph.D.
- 02 Faculty members Prof. S L Patil, from Mathematics Dept. and Prof. S J Walki from Chemistry Dept. from First year Engineering Dept. have received Ph.D.
- ME Department has Received Rs. 20 Lakh garnt from VGST under K-FIST L1 for the project titled“ **Study on Performance Characteristics of variable compression ratio (VCR), common Rail Direct engine with exhaust Gas Recirculation to suggest best alternative fuels**” under Project Coordinator: Dr. S N Topannavar ,Professor & HOD ME Dept. for strengthening infrastructure facilities for R & D.
- ECE Dept. has Received Rs. 20 Lakh grants from VGST under K-FIST L1 for the project titled “**Coplanar Capacitive Coupled Probe Fed Microstrip Antennas with and without Air Gap for UWB and Multiband Applications**“ Project Coordinator: Dr.S B Akkole. Associate Proffessor & HOD, ECE Dept. for strengthening infrastructure facilities for R & D
- Dr. Basavaraj V. Madiggond Professor EEE Dept has received AICTE Grant of Rs 3.00 lakhs to organize STTP on “Battery Management and Control Techniques in EVs”
- Dr. Basavaraj V. Madiggond Professor EEE Dept has received a grant of Rs.50,000/- from Karnataka Renewable Energy Development Ltd., (KREDL) for organizing activity on Energy Conservation & Energy Efficiency.Energy conservation week was celebrated.
- More than 130 research papers were published in peer review Journals by our faculties from various departments in last three years.
- Dr. R R Maggavi, Associate Professor & Prof. P V Patil, Assistant Professor of ECE. Department have received each one Patent registered.
- Dr. B. V. Madiggond has been appointed as a Chairman of Board of Studies in Electrical & Electronics Engineering of Visvesvaraya Technological University, Belagavi for the year 2022-2025
- Dr. S.N.Topannavar HOD ME. Dept has been appointed as member Board of Examiners in Mechanical Engineering of Visvesvaraya Technological University, Belagavi for the year 2021-22.
- Prof. S. D. Hirekodi has been appointed as member Board of Examiners in Electrical & Electronics Engineering of Visvesvaraya Technological University, Belagavi for the year 2021-22.
- Prof. M.P. Yenagimath has been appointed as member Board of Examiners in Electrical & Electronics Engineering SDM College of Engineering & Technology, Dharwad for the year 2021-22.
- More than 10 faculties are recognized as resource person for FDPs / Training program organized by various Engineering Colleges from different parts of Karnataka/Maharastra.
- More than 20 research papers published in this AY 2021-22 by our faculties from all departments.ME-06,ECE-06,EEE-05 & CSE-03. Out of 02 SCI papers form ME Dept and 01 SCI by CSE Dept. and remaining papers are Scopus and IEEE papers.



FDPS /STTP/INTERNATIONAL CONFERENCES/STUDENT ACTIVITIES

- Webinar on "Intellectual Property Rights Awareness Program" by Mr. Nikhil Ranjan, Examiner of Patents & Designs (Gr 'A' Gazette) and Officer, NIPAM, Patent Office, Kolkata was organized on 12/05/2022 by EEE Dept.
- Expert talk on "National Education Policy-2020" by Dr. S. B. Halabhavi, Special Officer, Academic Section, Visvesvaraya Technological University, Belagavi was organized on 29/10/2021 by EEE Dept.
- Four days workshop was organized on "Basics of MATLAB and Simulink" during 8/12/2021 to 11/12/2021 by EEE Dept.
- Miss. Sanobar S. Gadampalli of 8th Semester EEE, participated in National Level Technical Event "NAVAPRAVARTYA 2K22" held at Sant Gajanan Maharaj College of Engineering, Mahagaon, Maharashtra on 28th May 2022 and bagged 2nd Prize in Paper Presentation Event. She presented her project work in the event which is guided by Dr. B. V. Madiggond.
- Miss. Vijaylaxmi Walikar of 8th sem EEE presented her project work 'Electrical Distribution Network Performance Enhancement using DG' in International Conference on Engineering Innovation ICEI -2022. The project guided by Prof. S.D.Hirekodi.
- Career Guidance under ISTE Student Chapter organized by all Department The resource person was Mr. Shankar Jarashandh Wadne, Faculty Member, ACE Academy, Hyderabad
- Workshop on "**Higher Education in Foreign Universities: Scope, preparation, and scholarships**" by Resource person Dr. Jagadeesha R Bhat, Assistant professor, Indian Institute of Information Technology Dharwad, Execom member, IEEE North Karnataka Subsection under IEEE Banner by Mechanical Engg. Dept.
- A Workshop was conducted on "Machine Learning & Automation Testing" on 16th November, 2021 by CSE Dept.
- Thirty Two Hours "Training on Python" under Karnataka Skill Development Corporation, during 18th April- 29th May-2022 was organized by CSE Dept.
- 4 Days VGST Sponsored FDP on "Software Engineering & Testing Methodologies" was organized during 16th-19th March, 2022 by CSE Dept.
- As a part of AICTE initiative 15 days **Induction Program** was organized to 1st year students from 13th December to 23rd December 2021 to inculcate Universal Human Values, professional ethics & morale among students.
- 05 villages, **Nidasoshi, Ammanagi, Borgal, Kesti & Hattarwat** have been adopted under **Unnat Bharat Abhiyana** for enhancing the quality of village life through intervention of technology as a part of institute's social responsibility. Initial village demographic survey was completed in phase-I.



SPORTS

- Mr. Vijay Kumar J. IMedar of 3rd sem Civil Engg. Dept. has won **Gold Medal in Kabaddi held at 7th INDO-NEPAL Youth Rural Games Championship 2020-2021** organized by the Pokhara Rangasala Stadium, Pokhara Nepal on 18th to 20th Jan 2021.
- Mr. Vijay Kumar J. IMedar of 3rd Sem Civil engineering has won **Silver Medal in Kabaddi held at 7th Youth Rural Game & Sports Federation of India at Panchayat Ground, Goa** on 26 March. 2021 to 28 March 2021.
- Mr. Vijay Kumar J. IMedar of 3rd Sem Civil Engg has participated in south Zone Inter University Kho-Kho Tournament at CHRIST University Malur on 12th March 2022.
- Mr. Shivkumar C M of 8th sem CSE department has participated in **VTU Belagavi Zone cricket Selection Trials** held at K.L.S. G.I.T. Belagavi on 27-05-2022 and he is **selected in fast bowler in VTU Belagavi Zone Cricket team.**
- **General Championship-2021-22** for girls goes to Miss Sarika V. Kutwade 2nd Sem CSE in Annual Athletic Meet 2021-2022. Held at HSIT.
- Over all Departmental **General Championship** for Boys goes to Mechanical Engineering Department.
- Over all Departmental **General Championship** for Girls goes to Computer Science Engineering department in Annual sports Meet-2021-2022 held at HSIT

ACHIEVEMENTS IN PROJECT EXHIBITION & PAPER PRESENTATION

14 student projects of our college are sponsored by KSCST, Bangaluru, in 2021-22 and total amount of Rs.60,000/- was sanctioned, out of which 06 Mechanical, 05 CSE, 02 from ECE and 01 from EEE departments.

BEST BOY & BEST GIRL

Every year we are awarding the Best Boy & Best Girl, based on their academic achievement and overall performance to develop a healthy competitive spirit among the students. This year the **Best Boy** award goes to **Mr. Girish G Hiremath** of 8th Sem Computer Science & Engineering Dept and **Best Girl** award goes to **Miss. Geetanjali Patil** of 8th Sem Computer Science & Engineering Dept. I heartily congratulate them.

SUMMING UP


My dear students the Government of India are implementing NEP-2020 very aggressively. Our Institute has prepared for implementing policy guidelines of NEP-2020 to co-up with changing needs of higher education in the country. Hard work with discipline will help you to climb the ladders of success. I pray the god to bless you a very prosperous career.

I thank our Mahaswamiji and the Members of management for their guidance & support. I would like to end this report with a pledge on behalf of all my colleagues and students that "we will continuously strive hard 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".

Thank you one and all.




Dr. S. C. Kamate, Principal

	<p style="text-align: center;">S J P N Trust's</p> <p style="text-align: center;">Hirasugar Institute of Technology, Nidasoshi.</p> <p style="text-align: center;"><i>Inculcating Values, Promoting Prosperity</i></p> <p style="text-align: center;">Approved by AICTE, Recognized by Govt. of Karnataka and Permanently Affiliated to Visvesvaraya Technological University - Belagavi.</p> <p style="text-align: center;">Recognized under 2(f) & 12B of UGC Act, 1956.</p> <p style="text-align: center;">Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE,ECE</p>	HSIT SAMBHRAMA
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Ref: HSIT/NDS/Annual Report/136/2022-23

May 24, 2023

ANNUAL REPORT-2022-23

Bowing at the Holi-Feets of Lord Duradundeeshwara, the reigning deity of this holy land. My pranamas to His Holiness Panchama Shri Shivalingeshwar Mahaswamiji, the President SJPN Trust and the motive force behind all our tasks. Shri Nijalingeshwara Mahaswamiji, Siddha Sousthan Math Nidasoshi, Chief Guest of today's function Dr. V.S. Mali Litterateur. President of today's function Sri. B. L. Khot, Member SJPN Trust, Nidasoshi. Members of SJPN Trust Advisory Committee, Distinguished invitees, Media persons, Parents, Staff members and my Dear Students.

Ladies & Gentlemen, as a head of this Institution it gives me an immense pleasure to present before you a brief report of the activities of our college for the academic year 2022-23. Hirasugar Institute of Technology, Nidasoshi, was established in the year 1996 by the grace of Lord Duradundeshwar and the blessings of His Holiness Pancham Shri Shivalingeshwar Mahaswamiji of Siddha Sousthan Math, Nidasoshi, is in the 26th year of its glorious existence. Presently the college is offering,

UG Courses in:

- Mechanical Engineering(60)
- Electrical & Electronics Engineering(60)
- Electronics & Communication. Engineering(60)
- Computer Science & Engineering(90)
- Civil Engineering(60)

Research Programs in

- 1. Mechanical Engineering 2.Electronics and Communication Engineering 3.Electrical and Electronics Engineering 4. Computer Science & Engineering 5. Engineering Chemistry.

In the field of Technical Education, we have presented nearly 5500+ Engineering Graduates to serve the society. In spite of its rural location, the college has played a significant role in imparting quality education and it has been striving hard to provide holistic education by adopting an integrated approach that blends extracurricular activities, spiritual values, with the regular academics. Peaceful campus spread on over an area of 79 acres is highly conducive to undisturbed learning. At present, 59 faculty members, 14 faculty having Ph.D. from different premier institutions are working and 727 students are pursuing their studies at various levels. The NAAC peer team has visited our institution on 18th and 19th December 2018 for Assessment and Accreditation and our college has been accredited at A grade by NAAC. NBA expert Team has visited our college on 17th – 19th May, 2019 and all UG programs are accredited by NBA. Further, NBA compliance report was evaluated by expert team on 9th July, 2022 for extension of NBA accreditation. Computer Science & Engineering and Electronics & Communication programs are accredited for full validity of 6years i.e. up to 30th June, 2025. Our college has received Permanent Affiliation status from Visvesvaraya



Technological University, Belagavi and recently received 2(f) & 12B status recognition by UGC New Delhi under UGC act 1956.

This year our college is recognized as Life member for Board of IT Education Standards (BITES) Bangaluru. Dr.S.C. Kamate Principal, Dr.S.N.Topannavar, Prof. S.V. Manjaragi, and Pramod V Patil, Placement Officer have attended BITES annual Convention at Infosys campus, Mysuru and signed a MoU for training, placements and academic collaborations.

LIBRARY

The college library is stacked with more than 39,227 volumes, 9,962 Titles, 52 periodicals & Digital Library supported by VTU e-consortium with access to 9,811 referred National & International e-Journals & 16,800 e-Books. Learning material is upgraded every year as per the requirement of AICTE & VTU Belagavi. So far, more than Rs.1.45 crore is invested for procurement of books and periodicals including International Journals. The reference section of library is kept open up to late night hours during the examination period for the benefit of students. For this academic year 2022-23 we have invested worth Rs. 1,35,000/- for addition of 890 volumes for procurement of library books. Book Bank Scheme is introduced to provide complete set of books at the beginning of semester to all the students. The seating capacity of reference section in the library is 150 students at a time. e-Lib software V-17.2. is introduced for all library transactions.

SPIRITUAL ASSOCIATION

- The culture of shrimath and preachings of Mahaswamiji influence greatly in building the overall personality of students studying in this institution.
- Awareness camp on Swacha Bharat Abhiyan and Green & Clean campus to students and staff was organized under Unnat Bharat Abhiyan. International Yoga Day will be celebrated on 21st June, 2022.

SPONSORED PRIZES

- A Cash Prize of Rs. 5380/- is instituted by Shri Gangadhar Mallappa Kapasi, of Belagavi for toppers of B. E. Final Year students of all branches to be equally shared between boy and a girl. This cash prize is awarded to Miss. Shreelaxmi Belavi with 90.23% from Electronics & Communication Engineering Department and Mr. Babasaheb Bagashahi with 88.35% of Mechanical department.
- A Cash Prize of Rs. 1332/- is instituted by Sri.Rudragouda Balagouda Patil, of Belagavi in the name of his late father Shri Balagouda Malagouda Patil for toppers of 2nd, 4th, and 6th Semester B.E. Mechanical Engg. Students. This cash prize is awarded to Mr. Mallikarjun Shettnavar with 83.22% in 2nd semester, Mr. Pramod Ammanagi With 82.95% in 4th Semester, Miss. Archana Gulli with 85.87 % in 6th semester, Mr. Nandish Vibhuti with 93.6% in 8th semester for the AY-2021-22.
- A Cash Prize of Rs. 540/- is instituted by Shri Vidyanand Kesti of Nidasoshi in the name of Radhika Sankannavar for toppers of B. E. First semester and 2nd semester students. This cash prize is awarded to Miss. Apoorva Basavaraj Ambiger of Electronics & Communication Engineering dept. for securing 90.55%.

INDUSTRIAL VISIT / INTERNSHIP/STUDENT TRAINING PROGRAMS

- More than 40 Technical talks/Webinars on advanced topics related to technical / non-technical subjects are organized by different departments.
- More than 165 students have undergone internship at various reputed industries from different parts of Karnataka.

- More than 50 faculty members have been sponsored to attend FDPs/STTPs hosted by Engineering Colleges from different parts of Karnataka
- Every faculty members have been sponsored to attend FDPs at IITs and NITs.
- Our students are being sent for Industrial Educational Tours every year, to provide them exposure to the present state of the art technology in the modern industries.
- As a part of Industry Institute Interaction 09 Memorandum of Understanding (MoUs) signed with well-known companies like Bosch Technologies, Tech fortune, Crieontors, etc. and are benefiting our students.
- Our students have presented 17 research papers on different topics.

OUR RESULTS

The overall result of our College is 97.6%. Total 165 students have appeared and 161 students have passed out as Engineering Graduates from our college in year 2021-22 with CSE: 100%; ECE: 97.14%; EEE: 89.65%; ME:100%.

PLACEMENT

Our Training & Placement Cell is actively working under Placement Cell Coordinator Prof. Pramod V Patil. In the last Year more than 54 leading organizations have visited our campus. For the academic year 2021-22, total 94 students are placed out of 183 and 156 students are having Multiplacement offers. 10- 15 different Placement activities are in progress for the passed out students and present eight semester outgoing students. Overall 55% of our students are placed in last year and placements are still in process. Pre-placement training is also provided to all the lower semester students for improving the employability skills.

OUR ALUMNI

HSIT Alumni association is registered under coop-societies act of GoK. 5500+ highly competent Alumni of our institute are successfully employed in various government and private organization in India and abroad. Every year alumni are visiting the institute and providing their valuable suggestions and support for the development of the Institute.

PROFESSIONAL BODY ACTIVITIES

The Institution is conducting various activities with different professional bodies like,

- Indian Society for Technical Education (ISTE)
- Institution of Electrical & Electronics Engineers (IEEE)
- Institute of Engineers (IE India) & Computer Society of India.

NATIONAL SERVICE SCHEME (NSS)

Various activities were conducted by our college NSS unit. They are

- NSS & Indian Red Cross Society Cell of HSIT organized the "Blood Donation Camp" on 14th June 2022 in association with AG Lions Blood Bank, Gadhinglaj.
- 75th Independence Day was celebrated on the eve of "Azadi Ka Amrut Mahotsav" Flag is hoisted from 13th to 15th August 2022. At the same time as per Govt. of India circular various events like Rally (in Kesti, Hattarwat, Ammanagi, Boragal & Nidasoshi), poster presentation, fancy dress, speeches & Khadi Day were organized.
- NSS & Indian Red Cross Society Cell of HSIT organized EYE Health Checkup Camp for Staff & Students, on 17th December 2022 in association with M M Joshi Eye Hospital, Hubli.
- EPIC Registration and Voting awareness drive was conducted on 09.12.2022 and about 80 students registered in voter list.
- Important events like Dr. B. R. Ambedkar Jayanti, Basava Jayanti, Buddha Purnima, & Red Cross Day, World Environment Day, International Yoga Day, Sadbhavana Diwas, Teachers Day,

Engineer's Day, 66th Karnataka Rajyotsava, Valmiki Jayanti, 153rd Gandhi Jayanti and 118th Lal Bahadur Shastri Jayanti are celebrated every Year.

WOMEN'S DAY CELEBRATION AND ACTIVITIES

- Women's Day -2023 with the theme "Incredible Women" was celebrated on 10th March, 2023. Dr. (Smt) Vijayalakshmi I. Balekundri MBBS, MD, DM, DSc, FICC, FIAE, FICP, FCSI, FIAMS, FAMS, FISH, FRCP (London), Prof. Emeritus Cardiovascular sciences, Bangalore was Chief Guest and Guest of honor was His holiness Shri Nijalingeshwar devaru Siddasouthan matha Nidasoshi.
- Legal Awareness program in association with District Legal Aid Cell, Bar Council of Sankeshwar was conducted on 25th November, 2022 by Senior Municipal Magistrate Smt. Nagajyoti M. L., Civil judge & JMFC Sankeshwar.
- Awareness on safety measures of HIV. How to remain mentally stable during adverse situations were informed with many real examples and with her own story by Smt. Nagaratna S. Founder Ashreya Foundation, Belagavi, was held on 27th November 2022.

FACULTY ACHIEVEMENTS

- Mr. Gurushanth B. Vaggar awarded Ph.D. degree on research topic "A Study on Characterization of Thermal Properties for Enhancement of Thermal Resistivity of Hybrid Polymer Matrix Composites" under the guidance of Dr. S. C. Kamate, Professor & Principal, at Research Center of Mechanical Engineering Department.
- Dr. Mahesh Huddar Faculty of Computer Science & Engineering department received Ph.D. and recently he is recognized as research supervisor from VTU, Belagavi.
- Akkoli, K. M., S. C. Kamate, et al. published SCI paper, Q1 paper titled "Influence of Injection Pressure and Aluminium Oxide Nano Particle-Added Fish Oil Methyl Ester on the Performance and Emission of Compression Ignition Engine." Energies 15, no. 24 (2022): 9491.
- Prof. S. V. Manjaragi Published a paper entitled "Fast User authentication in 5G Heterogeneous Networks using Blockchain Technology for handoff delay reduction in SCI Indexed and Q2 International Journal Wireless Networks, Springer, Netherlands and Published a book chapter entitled "User Credibility-Based Trust Model for 5G Wireless Networks" in the springer book title Intelligent Communication Technologies and Virtual Mobile Networks.
- Dr. B. V. Madiggond is appointed as a Chairman of Board of Studies in Electrical & Electronics Engineering of Visvesvaraya Technological University, Belagavi for the year 2022-2023. Member of "Faculty Advisory board for VTU e-shikshana programme. He is Reviewer for the IEEE International Conference on Advances in Electronics, Communication, Computing and Intelligent Information Systems (ICAECIS-23). Organized by BIT in association with IEEE Bengaluru section, Bengaluru held from 19th - 21st April, 2023.
- Prof. M.P. Yenagimath is appointed as BOE for UG programme of Electrical & Electronics Engineering SDM college of Engg and Tech., Dharwad & Member of Board of Examiners for E&E composite board for the year 2022-2023 at VTU Belagavi.
- Prof. S. D. Hirekodi published a paper entitled "optimal placement of static phase shifter and STATCOM to enhance performance of the Electrical Networks" is published in IEEE XPLORE.
- Total 05 Patents are filed and out of which one granted and 3 are published. They are
 - Dr. R R Maggavi, Associate Professor of ECE Dept. published patent on "A machine learning technique to support decisions along with self-study of covid patients"
 - Prof. P V Patil, Assistant Professor of ECE Dept. Grant patent on "Deep Learning based real time smart detection of accident victims on highways"

- Prof. Shreevijay I Ittannavar, Assistant Professor of ECE Dept. published patent on "Detection of Breast Cancer in Digital Mammogram using Deep Learning"
- Prof. Prathima Khot, Assistant Professor of ECE Dept. published patent on "Detection of Breast Cancer in Digital Mammogram using Deep Learning"
- Dr. Mahesh G. Huddar Associate professor of CSE Dept. Published Patent on "Smart Glove for Hearing Impaired".
- ME Department has received **Second phase installment of Rs. 10 Lakh** grant from VGST under K-FIST L1 for the project titled "**Study on Performance Characteristics of variable compression ratio (VCR), common Rail Direct engine with exhaust Gas Recirculation to suggest best alternative fuels**" under Project Coordinator: Dr. S N Topannavar, for strengthening R & D infrastructure facilities.
- ECE Dept. has Received Rs. 10 Lakh grants as second installment from VGST under K-FIST L1 for the project titled "**Coplanar Capacitive Coupled Probe Fed Microstrip Antennas with and without Air Gap for UWB and Multiband Applications**" Project Coordinator: Dr Ittannavar, Assistant Professor, ECE Dept. for strengthening infrastructure facilities for R & D.
- Dr. M S. Hangadakar published book chapter in Advanced Application of Ionic Liquids entitled "Role of polymeric ionic liquids in Rechargeable batteries" in Elsevier Publication
- Rs. 1 lakh grant for the project proposal on "Advance Solar Dryer", has been received under Unnat Bharat Abhiyan a flagship program of MOE, GOI. for promotion and commercialization of technology. Dr. S. N. Topannavar, is the programme coordinator.
- **21 Web of Science** publications with 149 citations and **23 Scopus publications** with 168 citations were published by our Faculties from various departments as NIRF-2023 Survey report. in last two calendar years.
- 10 faculties are recognized as resource person for FDPs / Training program organized by various Engineering Colleges from different parts of Karnataka/Maharashtra.

FDPS /STTP/INTERNATIONAL CONFERENCES/STUDENT ACTIVITIES

- Mechanical Engg. Dept. organized 3 days a collaborative Hands-on STTP on "Design & Analysis using MSC Apex Software and Multibody Dynamics (Motion Simulations)". The workshop is conducting for final year students from 17th to 19th November 2022 in Association with ALTEM Technologies Private Limited, Visvesvaraya Technological University, Belagavi.
- Mechanical Engg. Dept organized A Session on "Visionary Learning Community of India (VLCI)-4.0" by Shri. Saideep Rathnam, Chief Operating Officer, IJIC, Indian Institute of Management, Bangalore and Shri. Neelesh B. Chougule, Chairman & Managing Director, Creintors Group of Companies, Belagavi.
- As a part of AICTE initiative 10 days Induction Program was organized to 1st year students In the academic year 2022-23, from 1st December 2022 to 10th December 2022 to inculcate Universal Human Values, professional ethics & morale among students. The department had invited resource persons from different domains to create awareness about various universal human values. Some of the Universal Human values taught to students during induction are Stress Management, Health Awareness, Societal activities of NSS, Student as karmyogi, Universal Human Values, Physical activities and Yoga etc.
- First year department had conducted project competition on science day 28th February 2023. Total 14 project groups participated in the competition to explore their application oriented innovative talents
- Second Phase Induction program (Even Sem) is also planned from 25th May 2023 to 5th June 2023. In this phase of induction programs sessions on various awareness topics are scheduled.

- CSE Dept. Organized 32 Hours of IOT workshop for Final year students, Workshop on Android Application Development, Web Development and Microsoft Office Tools for 3rd sem students and CODEATHON competition to the students of all semesters.
- ECE Dept. organized STTP on Basic Arduino programming from 16th to 18th January 2023, PCB Design and Testing workshop in ECE Department. In total ECE Dept. has conducted/organized 19 various student activities,
- Civil Engg. Dept. organised "Extensive Survey Project" for two weeks i.e from 10th to 21st March, 2023 for 5th Sem students at Hargapurgad village near sankeshwar. Also Department had visited by ESurveying Softech Company Bangalore for surveying software familiarisation to staffs & students.
- First Year faculties Dr. S.L. Patil , Prof. S. A. Patil and Prof. S. S. Thabaj have attended Three-Day Faculty Development Programme on MATHEMATICS LAB USING PYTHON, organized by Department of Mathematics, KLS Gogte Institute of Technology in association with VTU Belagavi during 05th -07th January, 2023.
- Dr. S.L. Patil , Prof. S. A. Patil and Prof. S. S. Thabaj have attended One Week AICTE-VTU Joint Teachers Training Programme on "Introduction to Python Programming & its Applications" from 13th to 17th March 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

SPORTS

- Mr.Chetan Mulimani of 3th Sem EEE Branch had Participated in All India Inter University Wrestling Tournament held at Shivaji University Kolhapur on 12th March 2023. And He is University Blue in wrestling event.
- Mr.Cheetan Mulimani of 3th Sem EEE Branch has Participated in VTU inter Collegiate Wrestling Tournament held at V.V.C.E Mysore on 11th February 2023 and won "52 Category wrestling" competition Second Place with silver medal.
- Mr. Sujeet A Huddar of 8th Sem ME department has participated in VTU state level inter collegiate 70KG Best Physique competition held at Global Academy of Technology Bangalore on 28-10-2022 and he has won the Second place with Silver Medal.
- Malakarisidda Metri of 6th sem of EEE department has participated in 23rd VTU Inter-Collegiate Athletic Meet 2021-22 held at SJC Institute of Technology, Chikkaballapur from 27th to 3th June 2022.
- General Champion ship for boys goes to Mr. Vijaykumar J. Imedar Civil Engg. Department in Annual Athletic Meet 2022-2023 with total 20 points.
- General champion ship for girls goes to Miss Sarika V. Kutwade 3rd Sem CSE Department in Annual Athletic Meet 2022-2023. With Total 18 points.
- Over all General **Championship** for **Boys** goes Computer Science & Engineering Department total points 56 Annual sports Meet-2022-2023 held at HSIT.
- Over all General **Championship** for **Girls** goes to Computer Science Engineering Department in Annual sports Meet-2022-2023 held at HSIT.



ACHIEVEMENTS IN PROJECT EXHIBITION & PAPER PRESENTATION

- 09 student projects of our college are sponsored by KSCST, Bangaluru, in 2022-23 and Rs.46,000/- is sanctioned, out which CSE-03, ECE-02, EEE-01, and ME- 03.
- From CSE Dept. Mr.Abhishek Bolarappu and Miss. Sahana Khemannavar, secured 1st place in "Code War" held @Navapravarthiya-2k23, Santa Gajanan College of Engineering, Mahagoan, Gadhinglaj.
- Mr. Vinayak Badiger and Mr. Abhishek Patil of Mechanical Engg. Dept secured Consolation Prize for Project Title on "Wireless Jack System" in ANVESHANA Project Exhibition and Competition held at Hubli – Dharwad from 20th & 21st February 2023.
- From EEE Dept. Mr. Chidanand Harugeri, Mr. Yallappa Gawade, Mr. Dasharath Karabari has participated & presented project with theme "Design & Implementation of Hybrid Powered Bicycle" at Prakalp Project Presentation Contest during Pioneer 2023 organized under ISTE student chapter.
- From EEE Dept. Miss.Muskan Momin, Miss Tehamim and Mr.Akash Tukare has participated and presented project work entitled "Smart Self-Driving Electrical Vechile using AI" in the project exhibition shakthistaavara-2023 organized by department of Electrical & Electronics Engineering, GSSS Institute of Engineering & Technology for women Mysuru in association with IEEE PES Student chapter, Bangalore Section, on 26th April 2023.

BEST BOY & BEST GIRL

Every year we are awarding the Best Boy & Best Girl, based on their academic achievement and overall performance to develop a healthy competitive spirit among the students. This year the **Best Girl** award goes to **Miss. Archana Ramappa Gulli** of 8th semester Mechanical Engineering Department and the **Best Boy** award goes to **Mr. Prasad Mahantesh Hiremath** of 8th semester Computer Science & Engineering Department. I heartily congratulate them.

SUMMING UP

My dear students the Government of India are implementing NEP-2020 very aggressively. Our Institute has prepared for implementing policy guidelines of NEP-2020 to co-up with changing needs of higher education in the country. Hard work with discipline will help you to climb the ladders of success. I pray the god to bless you a very prosperous career.

I thank our Mahaswamiji and the Members of management for their guidance & support. I would like to end this report with a pledge on behalf of all my colleagues and students that "we will continuously strive hard 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".

Thank you one and all.


Dr. S. C. Kamate,
Principal, HSIT