	<p style="text-align: center;">S J P N Trust's</p> <p style="text-align: center;"><b>Hirasugar Institute of Technology, Nidasoshi.</b></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) &amp; 12B of UGC Act, 1956.</p> <p style="text-align: center;">Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA:CSE,ECE</p>	<b>HSIT SAMBHRAMA</b>
		<b>Annual Report</b>
		<b>2023-24</b>

Ref: HSIT/NDS/Annual Report/136/2022-23

May 08, 2024

## 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 2023-24. 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 27<sup>th</sup> year of its glorious existence. Presently the college is offering,

### UG Courses in:

- Computer Science & Engineering(120)
- Electronics & Communication. Engineering(120)
- Electrical & Electronics Engineering(60)
- Mechanical Engineering(60)
- 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 18<sup>th</sup> and 19<sup>th</sup> December 2018 for Assessment and Accreditation and our college has been **accredited at A grade by NAAC, valid up to February 07, 2024**. NAAC SSR is submitted for **2nd Cycle of Accreditation** on 15th March, 2024. NBA expert Team has visited our **college on 17<sup>th</sup> – 19<sup>th</sup> May, 2019 and all UG programs** are accredited by NBA. Further, NBA compliance report was evaluated by expert team on **9<sup>th</sup> July, 2022** for extension of NBA accreditation. Computer science & engineering and Electronics & communication programs are accredited for full validity period i.e. upto 30<sup>th</sup> June, 2025. Our college has received **Permanent Affiliation** status from



Visvesvaraya Technological University, Belagavi and 2(f) & 12B reorganization by UGC act 1956 by UGC New Delhi.

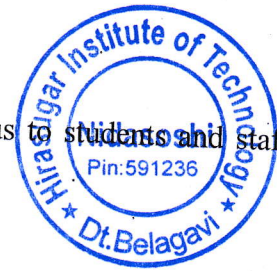
Our college is recognized as Life member of BITES (Bangaluru IT Education Standards) Bangaluru. Dr.S.C. Kamate Principal, Dr.S.N.Topannavar, HoD ME, Prof. S.V. Manjaragi, HoD, CSE and Pramod V Patil, Placement Officer have attended BITES Convention at Infosys campus , Mysuru.

### LIBRARY

The college library is stacked with 40104 volumes, 10037 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.1.45 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 2023-24. We have invested worth Rs. 20,00,00/- with addition 545 volumes in the year 2023-24 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. Library is having e-Lib software V-20.2. Online Movement Register has been installed in the library to maintain visit records of students and staff.

### SPIRITUAL ASSOCIATION

- Awareness camp on Swacha Bharat Abhiyan and Green & Clean campus was organized under Unnat Bharat Abhiyan.
- International Yoga Day will be celebrated on 21<sup>st</sup> June, 2023.



### 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. Miss. Prerana Rajagane with 88.54% from Electrical & Electronics Engineering Department and Mr. Pranav Gaddi with 87.38% of Computer Science & Engineering 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 2<sup>nd</sup>, 4<sup>th</sup>, and 6<sup>th</sup> Semester B.E. Mechanical Engg. Students. This cash prize is awarded to Miss. Laxmi Ramappa Gulli with 77.75%, in 2<sup>nd</sup> semester Mr. Mallikarjun Shettnavar with 88% in 4<sup>th</sup> semester, Mr. Yogesh R Dhanwade With 80.09% in 6<sup>th</sup> Semester, Miss. Archana Gulli with 93% in 8<sup>th</sup> semester, for the AY-2022-23
- 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 semester and 2<sup>nd</sup> semester students. This cash prize is awarded to Miss. Miss. Chaitra of Computer Science & Engineering department. for securing highest percentage of 85.37%

### INDUSTRIAL VISIT / INTERNSHIP/STUDENT TRAINING PROGRAMS

- More than 40 Technical talks/Webinars on advanced topics related to technical / non-technical are organized by various departments.
- All the students undergone internship training at various reputed industries from different parts of Karnataka as a part of curricular activities given by the VTU, Belagavi.



- 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 25 Active Memorandum of Understanding (MoUs) signed with well-known companies like Bosch Technologies, Tech fortune, Bengaluru Crieontors, Blue smart Elevators Belagvi etc. 18 industry institute interactive activities were conducted for 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., 95.16%.** Total 124 students have appeared and 118 students have passed out of which 117 with FCD as Engineering Graduates from our college in year July 2022-23. with CSE: 96.07%; ECE: 89.65%; EEE: 94.44%; ME: 100%.

## PLACEMENT

Our Training & Placement Cell is actively working under Placement Cell Coordinator Prof. Pramod V Patil. In the last Year 18 leading organizations have visited our campus. For the academic year 2023-24, total 115 students are placed out of 152. Out of which Computer Science & Engg 53/59; Electronics & Communication. Engg: 37/46; Electrical & Electronics Engg: 10/18; Mechanical Engg: 13/21; Civil Engineering: 02/08 and 184 students are having Multi placement offers. 10- 15 different Placement activities are in progress for the passed out students and present eight semester outgoing students. **Overall 76%** of our students are placed in the year 2023-24 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

Alumni association registered under the chairmanship of Prof. Onkar Heddurshetti of EEE department. 5000+ 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

- NSS & Indian Red Cross Society Cell of HSIT organized the "Blood Donation Camp" on 18th December 2023 70 units has been donated to Matoshri Blood Centre, Chikkodi.
- Celebrated 76th Independence Day is celebrated hoisting the Flag on 15th August 2023.
- EPIC Registration and Voting awareness drive was conducted on 29.11.2023 and about 46 students registered in voter list.





- Constitution Day is celebrated on 26th November, 2023. NSS program officer has dictated the oath of constitution to all the staff and students
- Along with these important events 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, 67th Karnataka Rajyotsava, Valmiki Jayanti, 154th Gandhi Jayanti and 119th Lal Bahadur Shastri Jayanti are celebrated in academic year 2023-24.

### WOMEN'S DAY CELEBRATION AND ACTIVITIES

- Women's Day -2024 was celebrated with theme "Inspire Inclusion" on 4th March, 2024. Chief Guest Dr. (Smt.) Sheela P. Potadar, Obstetrician and Gynecologist Dr. Prabhakar Kore, Charitable Hospital Belagavi.
- Activities organised on the eve of Women's day -2024
  - i. Poem writing, ii. Tattoo designing iii. Essay competition iv. Hair Style competition
  - v. Mehendi competition and vi. Rangoli competition.

### FACULTY ACHIEVEMENTS

- Prof. S.V. Manjaragi Faculty of CSE. Dept received with Ph.D.
- Total 05 Patents are filed and out of which one granted and 3 are published. They are
  - Dr. K.M. Akkoli published a Patent titled "Smart Oil Level and Condition Indicating Brake Lever" Design No:399240-001 and date of publication:26/04/2024
  - 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".
- Our College is having 05 Research centers with 09 eligible Guides, 15 Research scholars and 4 PhD degrees were awarded.
- 09 Faculties of various departments are registered to PhD in other reputed Institutions.
- Dr. M.M. Shivashimpi has recognized as Research supervisor in VTU, Belagavi
- Mrs. Shankamma. S. Kerur completed Ph. D. under the Guidance of Dr. M. S. Hanagadakar of Chemistry Research centre on topic "Adsorption studies on removal of Hexavalent Chromium and Chlorophenol using activated carbon prepared from Corn processing industry" defended PhD. on 06-07-2023 and awarded Ph.D. from VTU Belagavi on 22nd July 2023.
- 10 Faculties from computer science department have published research papers in various reputed journals. 20 research papers were presented in various national/International conferences.
- Prof. M. G.. Ganachari published book on Futuristic Trends in IOT Volume 3, Book 5, 2024, IIP Series. Selfpage Developers, Pvt. Ltd., Pushpagiri Complex, Karnataka.
- 25 Web of Science publications with 269 citations and 30 Scopus publications with 309 citations were published by our Faculties from various departments as per NIRF-2023 Survey report. in last three calendar years.





- ME Department has sanctioned of Rs. 20 Lakh grant from VGST under K-FIST L1 for the project titled **"Establishing the Facility for Dynamic Fatigue Systems to Study Fatigue Properties of Surface Characterized Engineering Materials".** under Project Coordinators: Dr. M.M.Shivashimpi and Prof.D.N.Inamdar of ME Dept. for strengthening infrastructure facilities for R & D.
- ME Department has received **Second phase installment of Rs. 20 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, Professor & HOD ME Dept. for strengthening infrastructure facilities for R & D.
- ECE Dept. has Received Rs. 20 Lakh grants as second installment this February 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 Itannavar. Assistant Professor, ECE Dept. for strengthening infrastructure facilities for R & D.
- Unnat Bharat Abhiyan sponsored the amount of Rs. 1 lakh for the project proposal on "Advance Solar Dryer", Dr. S. N. Topannavar, Professor and HOD, Mechanical Engg. Department, HSIT Nidasoshi is the programme coordinator.
- Around 10 faculties are recognized as resource person for FDPs / Training program organized by various Engineering Colleges from different parts of Karnataka/Maharashtra.
- Dr. B. V. Madiggond Sir is member of "Faculty Advisory board for VTU e-shikshana programme.Dr.He has been appointed as a Chairman of Board of Studies in Electrical & Electronics Engineering of Visvesvaraya Technological University, Belagavi for the year 2022-2025. Sir is a 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 selected as BOE for UG program of Electrical & Electronics Engineering SDM college of Engg. and Tech., Dharwad.
- Prof. M.P.Yenagimath is appointed as Member of Board of Examiners for E&E composite board for the year 2022-2023 at VTU Belagavi.

#### **FDPS /STTP/INTERNATIONAL CONFERENCES/STUDENT ACTIVITIES**

- International Conference on Recent Trends in Engineering and Technology-ICRTET-2023 held on 8th and 9th December 2023. Conveners are Dr. K. M. Akkoli & Dr. S.N.Topannavar from Mechanical Engineering Dept. Total 85 members presented their articles.
- As a part of AICTE initiative 10 days Induction Program was organized to 1st year students In the academic year 2023-24to inculcate Universal Human Values, professional ethics & morale among students.
- TECHNOVISION-24 on 2nd April 2024, was conducted for diploma students from Diploma engineering colleges as bes practice to show cause their talent by conducting various activites like poste presentation, Idea presentation skills and Internship Presentation Competitions. Around 250+ students were participated.





## SPORTS

- Mr. Prajwal S. Hiremath 4th Sem CSE department Mr. Praveen B. Patil CSE 2nd Sem CSE, Veerabhabra B. Kalloli CSE 2nd Sem Vivek M. Khopade 2nd Sem ME have participated in VTU state level **Inter Collegiate Yoga competition held at NMAMIT, Nitte** on 30-8-2023 and the team has won the **Third place with Bronze medal**.
- Mr. Chetan R. Mulimani 5th Sem EEE Branch He has Participated in **VTU state Level Inter Collegeiate wrestling weight category Men 61kg competition** held at KLSSVDIT, Haliyal from 20-11-2023 to 21-11-2023. **He won the first prize with Gold Medal**.
- Mr. Vijayakumar J. Imadar 8<sup>th</sup> Sem Civil department has Represented the VTU Belagavi in **South zone Inter University Kho-Kho Championship held at University of Calicut Kerala** from 26-12-2023 to 30-12-2023. **He was University Blue**.
- Mr. Chetan Mulimani of 5th Sem EEE Branch had Participated in **All India Inter University 61KG weight category Wrestling Tournament Held at Chandigarh University, Chandigarh (Punjab)** from 29th November 2023 to 1st December 2023 **He is University Blue in wrestling event**.
- Miss Soumya.S. Kamate of 3th Sem EEE Branch in participated in **Hukkeri Taluka Roller Skating academy RGOI Roller Skating Championship 2022-23**, Shivganga Roller Skating club, Belagavi, Karnataka. **She won the silver medal**.
- **General Champion ship for boys** to Mr. Vijaykumar J. Imedar Civil Engg. Department in Annual Athletic Meet 2023-24 with total 18 points.
- **General champion ship for girls** to Miss Rakshita Badake 2<sup>nd</sup> Sem ECE Department in Annual Athletic Meet 2023-24. With Total 11 points.
- **Over all Departmental General Championship for Boys** computer science & Engineering Department with 64 points Annual sports Meet-2023-2024 held at HSIT.
- **Over all Departmental General Championship for Girls** goes to Electronics & Engineering department with 54 points in Annual sports Meet-2023-2024 held at HSIT.

## ACHIEVEMENTS IN PROJECT EXHIBITION & PAPER PRESENTATION

- 12 student projects of our college are sponsored by KSCST, Bangaluru, in 2023-24 and total amount of **Rs.59, 000/-** is sanctioned, out which **CSE-05 with fund of Rs,21000/-**, **ECE-04 with fund of Rs,21500/-**, **EEE-01, with fund of Rs,5500/-** and **ME- 02 with fund of Rs.11000/-**.

## 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. Suraj Sudhir Patil** of 8<sup>th</sup> Sem from computer science & Engg. Dept. and **Best Girl** award goes to **Miss. Jyoti Benawadi** of 8<sup>th</sup> Sem Electrical & Electronics 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  
**PRINCIPAL**  
**Hirasugar Institute of Technology**  
**Nidasoshi-591 236**