

International Conference on Recent Trends in Engineering and Technology ICRTET-2023

ICRTET-2023 intends to provide a common platform to researchers, academicians, practitioners, engineers, research scholars, PG and UG students in frontline evolutionary and challenging fields. It is expected to share their knowledge and research expertise to advance in the areas of emerging scientific applications in engineering and technology, as well as to create a prospective collaboration and networking on various allied ventures.

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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023) organized at NBA Seminar Hall, D-Block, Hirasugar Institute of Technology, Nidsoshi. A total of 85 papers were received for the conference and 40 papers were shortlisted by the committee.

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ENGINEERING AND TECHNOLOGY (ICRTET-2023)

8TH & 9TH DECEMBER 2023
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Dr. M. M. Shivashimpi,
Dean (Examination).
Dr. M. S. Hanagadkar,
NISP/IIC Coordinator.

ABOUT THE COLLEGE

The institute is run by his holiness Shri Jagadguru Pancham Shri Shivalingeshwar Mahaswamiji under SJPN Trust. It was founded by His Holiness Shri Pancham Nijalingeshwar Mahaswamiji, the Ninth pontiff of Shri Siddha Sansthan Math Nidasoshi in 1984. This Engineering Institution was established in the year 1996 with the approval of the All India Council for Technical Education (AICTE), New Delhi and is permanently affiliated with Visvesvaraya Technological University (VTU), Belagavi. Hirasugar Institute of Technology (HSIT) is one of the premier engineering colleges in the Belagavi district of North Karnataka serving successfully by providing quality education to the rural intellect for the last 27 years. The Institute is accredited by NAAC at 'A' Grade and NBA. The HSIT is spread over 48 acres of land. The campus has all the basic amenities for the overall development of the students with spacious infrastructure. The institute has well-equipped modern laboratories and well-stacked computerized digital & open-access library system. The Institute has facilities like separate hostels for boys and girls, staff quarters, a Canteen, a Bank, a Guest house, a Generator, a playground, a multi-station gymnasium hall for indoor games, Yoga and transportation for students and staff. The HSIT, Nidasoshi offers 4 years of full-time (B.E.) Bachelor of Engineering degree courses in five disciplines with a total intake of 420 students, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Computer Science Engineering and Civil Engineering.



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CONFERENCE TRACKS

Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, experiment works and industrial experiences that describe significant advances in the following areas, but are not limited to:

You can contribute the paper in any language; the conference proceeding with ISBN will come in multilingual.

**All Engineering fields.
Basic Humanities and Sciences
Commerce & Management Studies.**

Environmental Science
Earth Science
Life Sciences:
Chemical Sciences
Physical Sciences
Material Sciences
Agricultural Sciences
Computer Sciences
Applied Sciences
Business Management,
Change Management,
Corporate social responsibility,
Contemporary HRM, •
Digital marketing,
Entrepreneurship and development ,
Human Resource strategies,
Knowledge Management,
Leadership and change management ,
Organizational Behavior,
Strategic HRM and Global HR, Accounting Ethics,

IMPORTANT DATES

Conference Dates: **8th-9th December 2023**

Website: **www.conferenceworld.in, www.iardo.com**

Paper Submission Deadline: **01, December 2023**

Paper Acceptance Decision: **After 5 days of submission**

Camera Ready Paper submission & Registration Deadline:
within 3 days after acceptance

MODE OF PRESENTATION

TWO TRACKS :

- **OFFLINE**
- **ONLINE**

1.AUTHOR CAN ATTEND CONFERENCE, THEY CAN PRESENT PAPER IN CAMPUS

2.AUTHOR WHO CAN UNABLE TO ATTEND CONFERENCE, THEY CAN PRESENT PAPER ONLINE THROUGH GOOGLE MEET.

FEES DETAILS

NON- AUTHOR PARTICIPATION (ONLY FOR ATTENDING THE CONFERENCE) : 500 INR

PRESENTING THE PAPER IN THE CONFERENCE (MAX 3 AUTHORS IN A PAPER) : 1000 INR

PUBLICATION IN CONFERENCE PROCEEDING WITH ISBN (MAX 3 AUTHORS IN A PAPER): 1500 INR

PUBLICATION IN CONFERENCE PROCEEDING WITH ISBN AND PUBLICATION IN JOURNAL: 2000 INR (PEER REVIEWED), 8000 INR (WEB OF SCIENCE), 12000 INR (SCOPUS)

IF MORE THAN THREE AUTHORS, EACH ADDITIONAL AUTHOR WILL HAVE TO PAY 500 INR.

PAGE LIMIT 12, INR 100 WILL BE CHARGE FOR EACH ADDITIONAL PAGE.

ALL PAPERS WILL UNDERGO A DOUBLE BLIND PEER REVIEW PROCESS AND THE CRITERIA FOR ACCEPTANCE WILL BE BASED ON QUALITY, ORIGINALITY, TECHNICAL CONTENT AND RELEVANCE.

PUBLISHER INFORMATION



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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023)

Date: 8th-9th December 2023

Registration Sheet

R & D

Conference

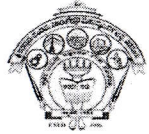
ICRTET-23

AY:2023-24

P.N.	Corresponding Author Name & No. of authors	Title of the research article	College	Mobile No. & E-mail of corresponding author	Theme-01:RTET in CSE-ECE-EEE Theme-02:RTET in ME-CE-A.Sc	Signature
01	Dr. K. M. Akkoli (03)	Effect of Cottonseed Oil methyl ester on Performance and smoke of CI Engine	HIT, Nidasoshi	9739114856 kmakkoli.mech@hsit.ac.in	Theme-2	(K)
02	Prof. P. R. Patil (03)	Performance Based Seismic Analysis of R.C Building considering Effect of Dual System	H.I.T - Nidasoshi	9606557280 ppatil.civ@hsit.ac.in	Theme-2	(K)
03	Dr. M. M. Shivashimpi (05)	Effect of Algae Biodiesel on Performance, combustion and smoke characteristics of C.I. engine.	H.I.T Nidasoshi	9742197173 mmshivashimpi.mech@hsit.ac.in	Theme-2	(K)
04	Prof. M. A. Hipparagi (04)	An Improvement in Mechanical characteristics Through The Application of Austempered Ductile Iron (ADI) - A Review	H.I.T. Nidasoshi	7411507405 maheshhipparagi.mech@hsit.ac.in	Theme-2	(K)
05	Prof. S. A. Goudadi (03)	Stair Case Climbing Tool	HIT Nidasoshi	9448876682 sagoudadi.mech@hsit.ac.in	Theme-2	(K)
06	Prof. S. G. Huddar (02)	Network reconfiguration for loss reduction & voltage improvement of voltage improvement profile in Electrical distribution Systems.	HIT Nidasoshi	9742066852 Sghuddar.ccc@hsit.ac.in	Theme-1	(K)

Dr. K. M. Akkoli & Dr. S. N. Topannavar
ConvenersDr. S. C. Kamate
PrincipalNidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023)Date: 8th-9th December 2023**Registration Sheet****R & D****Conference****ICRTET-23****AY:2023-24**

P.N.	Corresponding Author Name & No. of authors	Title of the research article	College	Mobile No. & E-mail of corresponding author	Theme-01:RTET in CSE-ECE-EEE Theme-02:RTET in ME-CE-A.Sc	Signature
07	Prof. P. I. Savadatti (03)	Intelligent Agricultural field monitoring & Controlling s/m using renewable source	HIT, Nidasoshi	9964315436 purnimasavadatti.eee@hsit.ac.in	01	Purnima
08	Prof. A. V. Neshi (03)	Internet of things based vehicle accident prevention & detection system	HIT, Nidasoshi	9538 223362 avneshti.eee@hsit.ac.in	01	Anu
09	Prof. K. B. Negalur (03)	Battery Management system in PHEV	HIT, Nidasoshi	9886644507 kbnegalur.eee@hsit.ac.in	01	Art
10	Prof. K. B. Negalur (04)	Design and Implementation of Hybrid Powered Multi-function Bicycle	HIT, Nidasoshi	9886644507 kbnegalur.eee@hsit.ac.in	01	Art
11	Prof. Sujata Mane (04)	Body movement & Heart Beat monitoring of Coma Patients using IoT	HIT, Nidasoshi	Sujatamane.uce@hsit.ac.in 7406825910	01	Sujata
12	Prof. Shweta R. Mahalingam (02)	Power quality Improvement by Low Leg voltage source Inverter	HIT, Nidasoshi	Shweta.uce@hsit.ac.in	01	Shweta
13	Prof. S. V. Marjaregi (03)	Smart Home: Detection of Food Decay using machine learning	HIT, Nidasoshi	9606293418 svenmarjaregi@gmail.com	01	S. V. Marjaregi
14	Prof. Sapan Patel (01)	Smart AI Based Video Surveillance for Weapon Detection & Suspicious Activity Detection	HIT, Nidasoshi	Sapanpatel01@gmail.com 9740875627	01	Sapan
15	Vinod F. Ganig (05)	Issues and Solution of Plug-in Electrical Vehicle on PDN	KLS HIT, Belagavi	ganigvinod@gmail.com 6362474889	01	Vinod

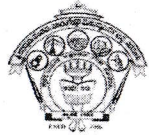
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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023)

Date: 8th-9th December 2023

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ICRTET-23

AY:2023-24

P.N.	Corresponding Author Name & No. of authors	Title of the research article	College	Mobile No. & E-mail of corresponding author	Theme-01:RTET in CSE-ECE-EEE Theme-02:RTET in ME-CE-A.Sc	Signature
16	O.B. Heddursheetti (03)	Design and Development of Arduino based Battery operated vehicle for Agri Application	HIT, Nidasoshi	9448420589 obheddursheetti.eee@hsit.ac.in	01	[Signature]
17	M.A. Khot (03)	Block Matching Algorithms for motion Estimation & Compensation in Video compression	HIT, Nidasoshi	9964299498 hsit.ac.in ssittannavar.ece@hsit.ac.in	01	[Signature]
18	D.B. Madhukhi (03)	Artificial Intelligence based user friendly motion sign - Translator for Deaf & Dumb	HIT, Nidasoshi	D.B. Madhukhi 9902854324 albmadhukhi.ece@hsit.ac.in	01	[Signature]
19	Anuradha Hegde (03)	Synthesis of silver nanoparticles embedded TiO ₂ based nano composite gel for potential antibacterial activity	AITM Belgaon	8310768223 anuradhahegdekar76@gmail.com	02	[Signature]
20	P.V. Patil (05)	A smart system for detecting helmet & Number plates using AI	HIT, Nidasoshi	9731104059	01	[Signature]
21	S.I. Marihal (02)	Design & development of microcontroller based quasi square wave inverter to illuminate elevator cab.	SEBIT, Belagavi	9742256523 sharan.marihal@gmail.com	01	[Signature]
22	S.S. Malaj (02)	Robokisan - Autonomous Solar powered voice Controlled multilingual Support over IoT	H.I.T - xids	8073529095 ssmalaj.ece@hsit.ac.in	01	[Signature]

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Principal

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023)

8th and 9th December 2023

Venue: NBA Seminar Hall, D-Block

PROGRAM AGENDA for Day 1 (8th Dec.2023)

Timing: 10:00 AM to 05:30 PM

10:00 AM	:	Welcome Address: Principal Dr. S.C.Kamate, HSIT, Nidasoshi
10:05 AM	:	Flower Presentation to the Dignitaries: Dr. Tanuja, Chemistry Dept
10:10 AM	:	Inauguration - Watering the Plant.
10:15 AM	:	Keynote Speech-Narender Chinthamu, MIT Certified CTO & Senior, Enterprise Architect Coppell, TX, USA
10:25 AM	:	Keynote Speech -Dr.Suresh H Jangamashetti, Vice Chancellor, Haveri University, Haveri
10:30 AM	:	Felicitation to Guest
10:35 AM	:	Release of Conference Proceedings
10:40 AM	:	Asirvachan by Mahaswamiji
10:45 AM	:	Vote of Thanks (Online): Smt. Reshu Gupta, Conference World
10:50 AM	:	Tea Break
11:15 AM	:	Offline Presentation
1:30 PM	:	Lunch break
2:05 PM	:	Keynote Speech (Online) -Dr. Nagendra S. Associate Professor, St. Aloysius Institute of Management and Information Technology, Mangalore India
2:15 PM	:	Keynote Speech (Online) – Dr. R. Ramachandran. Associate Professor, Department of Commerce, Annamalai University, Tamil Nadu, India
2:30 PM	:	Online Presentation

Master of Ceremony: Prof. (Smt.) B. P. Khot, Assistant Professor, ECE

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PROGRAM AGENDA for Day 2 (9th Dec.2023)

Timing: 10:00 am Onwards

10:00 AM	:	Online Presentation Continued from Day-1
11:30 AM	:	Tea Break
11:30 AM	:	Online Presentation Continues
01:00 PM	:	Lunch Break
02:00 PM	:	Feedback from Participants
02:30 PM	:	Valedictory Program
Master of Ceremony: Prof. (Smt.) B. P. Khot, Assistant Professor, ECE		

Dr. K. M. Akkoli, & Dr. S. N. Topannavar.
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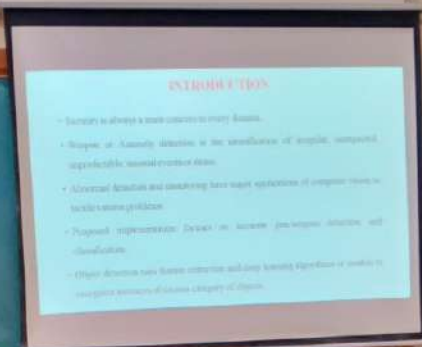














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International Conference on Recent Trends in Engineering &
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Date: 8th-9th December 2023

Attendance Sheet of Paper Presentation of
Theme-01:RTET in CSE-ECE-EEE

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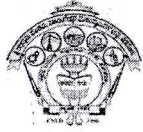
AY:2023-24

P.N.	Corresponding Author Name & No. of authors	Title of the research article	Day-01 8 th DEC 2023	Day-02 9 th DEC 2023
1	S.V. Marjara (03)	Smart nose: Detection of food decay using machine learning.		
	Sapna . B . Patil	Smart AI based video surveillance for automatic weapon detection.		
	Prop. Purnima Savadatti (03)	Intelligent Agricultural field moni- toring controlling system using renewable source		
	Vinod.F.Ganiges (05)	Issues and solutions of Plug-in Electric vehicle on P.D.N.		
	A. V. Neshti (03)	IoT Based vehicle accident prevent- ion and detection system		
	Prof. Aruna. (04) Anil Dattaraj	Body movement and heart beat monitoring of come using IoT		
	Dr. S.S. Ittonnava Prof. B.P. Khot Mrs. M.A. Khot (03)	Block matching algorithms for motion estimation & compensation for video compression		
	Prof S.I. Marihal (02)	Design & Development of microcontroller based CSI for elevator illumination application		
	Prof. S.R. Mallusamath (02)	Power quality improvement by four leg voltage source inverter.		
	Prof. S.G. Huddar (02)	Network reconfiguration for loss reduction & improvement of vltg profile		

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Evaluation Sheet of Paper Presentation of Theme-01:RTET in CSE-ECE-EEE

P.N.	Corresponding Author Name & No. of authors	Title of the research article	Relevance & Recent Trends (Rate:Min.0- Max.20) (A)	Innovation & Experiments and Results & Discussion (Rate:Min.0- Max.20) (B)	Outcomes, Conclusions & Applications (Rate:Min.0- Max.20) (C)	Presentation & Justification Skills (Rate:Min.0- Max.20) (D)	Question- Answer (Rate:Min.0- Max.20) (E)	Overall Rating (A+B+C+D+E)	Remarks & Awards
13	S.v. Mariaraggi	Smart Nose :	14	15	13	14	14	70	
11	Sujata Mare	Body movement & Heart beat	15	13	12	13	13	66	
15	Vinod Ganiger	Issues & solutions of plug in EV on power distribution	15	08	14	13	14	64	
07	P. S. Savadekar	Intelligent Agriculture Robot	15	12	12	10	12	61	
06	S. S. Huddal	NIW configurations for loss reduction	16	18	17	18	15	84	
21	S. S. Mashhal	Design & develop- ment of micro- controller based	17	17	16	17	16	83	
08	D. V. Wegri	IoT Based vehicle accident	13	12	12	12	13	62	
14	Sahana Pati	Smart AI Based Video Surveillance for weapon detection	16	15	16	15	16	78	
17	M. A. Chor	Biometric security system	15	15	15	13	12	70	

Name & Signature of Session Chair-1 & 2

Dr. S. S. Thannavar



Dr. K. M. Arkoli & Dr. S. N. Topannavar

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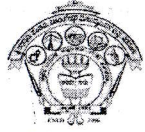
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Phone: +91-8335278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in

Dr. S. C. Kamate

Principal

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International Conference on Recent Trends in Engineering & Technology (ICRTET-2023)
 Date: 8th-9th December 2023

R & D

Conference

ICRTET-23

AY:2023-24

Evaluation Sheet of Paper Presentation of Theme-01:RTET in CSE-ECE-EEE

P.N.	Corresponding Author Name & No. of authors	Title of the research article	Relevance & Recent Trends (Rate:Min.0-Max.20) (A)	Innovation & Experiments and Results & Discussion (Rate:Min.0-Max.20) (B)	Outcomes, Conclusions & Applications (Rate:Min.0-Max.20) (C)	Presentation & Justification Skills (Rate:Min.0-Max.20) (D)	Question-Answer (Rate:Min.0-Max.20) (E)	Overall Rating (A+B+C+D+E)	Remarks & Awards
13	Prof. S.V.M	Smart nose using ML	16	15	12	18	12	73	
11	Prof. Sujata - Name	Body movement & Heart Beat	18	15	10	18	12	73	
15	Vinod G	Electric Vehicles	17	10	10	16	14	67	
07	Prof. Pannam	Intelligent Agriculture	16	15	12	16	15	73	
06	Prof. S.G.H	AIW reconfiguration	17	18	15	18	16	84	
21	S.I. Monisha	Quasi Square wave	17	18	14	18	15	82	
08	AU Nishu	IoT Accident	15	10	12	15	10	62	
14	Sagna Pati	Video Surveillance	17	18	15	18	16	84	
17	MA Khos	Motion Estimation	18	15	10	18	12	73	
		-							

Name & Signature of Session Chair-1 & 2

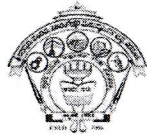
Dr. Mahesh Huddar
 8/12/23



Dr. K. M. Ankoli & Dr. S.N. Topannavar
 Conveners

Nidasoshi-591236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
 Phone: +91-833-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in

Dr. S.C. Kamate
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AY:2023-24

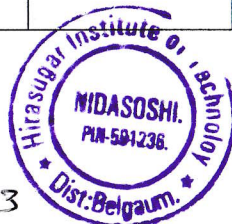
Evaluation Sheet of Paper Presentation of Theme-02:RTET in ME-CE-A.Sc

P.N.	Corresponding Author Name & No. of authors	Title of the research article	Relevance & Recent Trends (Rate:Min.0-Max.20) (A)	Innovation & Experiments and Results & Discussion (Rate:Min.0-Max.20) (B)	Outcomes, Conclusions & Applications (Rate:Min.0-Max.20) (C)	Presentation & Justification Skills (Rate:Min.0-Max.20) (D)	Question-Answer (Rate:Min.0-Max.20) (E)	Overall Rating (A+B+C+D+E)	Remarks & Awards
05	Pooj. S.H. Gowdadi(03)	staircase climbing trolley.	18	16	17	18	19	88	
03	Dr.M.M.shivashimpi(06)	Effect of Algae Bio-diesel on performance, combustion & smoke characteristics of engine	18	18	17	19	18	90	
19	Anuradha Huges	Synthesis & Silver nanoparticle Embedded TGA based nanocomposite gel for antibacterial activity.	19	19	19	15	19	91	

Name & Signature of Session Chair-1 & 2

1) Dr.M.M.Shivashimpi 8/12/23

2) Dr.Tanuja.SB 8/12/23

Dr. K. M. Akkoli & Dr.S.N.Topannavar
ConvenersDr.S.C.Kamate
Principal

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.

Phone: +91-8333-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in

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