Dr. Ambedkar Institute of Technology, Bangalore.
(An Autonomous Institute affiliated to VTU)
Department of Electronics and Telecommunication Engineering

IRINS Data

Expert_ID	Experience_ID	Qualification_ID	Title	First_Name	Last_Name	Date_of_Birth	Gender	Mobile_Number	Email
153971	153971	153971	Dr	Sivakumar	B	1966-12-13	Male	9844468883	sivab881@gmail.com
156254	156254	156254	Dr.	Yamuna	Devi	18/05/1969	Female	9886716525	yamuna.devicr@gmail.com
153874	153874	153874	Prof	Prashanth	C R	1970-07-20	Male	9448200979	prashanthcr.ujjani@gmail.com
347010	347010	347010	Dr.	Sudha	Thimmaiah	1969-04-04	Female	9845876915	sudha_t.et@drait.edu.in
156306	156306	156306	Dr	Vidya	Honguntikar	26-01-1968	Female	9886653875	vidyah91.et@drait.edu.in
342734	342735	342736	Dr.	Mahesan	KV	1964-04-15	Male	9448412146	mahesan64kv@gmail.com
347004	347004	347004	Dr.	Chandra	Kala	1975-04-17	Female	7975486375	vchandrakala.et@drait.edu.in
347406	347406	347406	Dr.	Shruthi	P C	1979-06-22	Female	9916908113	pcshruti@gmail.com
342787	342787	342787	Dr.	ARAVINDA	H L	23.02.1982	Male	9449028712	arvindhlait@gmail.com
342761	342761	342761	Mrs.	Usha	Rani M.A	1979-04-02	Female	9945702639	Thanusha24@gmail.com
342742	342742	342742	Mr.	Praveen	K B	1984-07-05	Male	9740744442	prvn.guru@gmail.com
342747	342747	342747	Mrs	Kavitha Narayan	BM	15-06-1987	Female	9742650222	kavithanarayan150687@gmail.com
343040	343040	343040	Ms.	Sowmya	M	1989-01-12	Female	9538801074	sowmyamallik.et@drait.edu.in

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Address	District	State	Pin_No	WOS_Subject_id	WOS_Subject	Expertise_id	Expertise	Brief_Expertise
#381, 16th cross, Saraswathi Nagar, Vijaya Nagar.	Bangalore	Karnataka	560040	7	Engineering & Technology	181	Telecommunication	Information & Communication
Associate Professor, Dept. of ETE, Dr. Ambedkar inst of tech, Bangalore	Bangalore	Karnataka	560056	7	Engineering and technology	181	Telecommunication	Wireless sensor networks
1380/i, 9th main, Srinivasa nagar, BSK First Stage,	Bangalore	Karnataka	560050	7	Engineering and Technology	181	Telecommunication	Image Processing
#1342,32nd 'E' Cross, 26th Main Road, 4th 'T' Block, Jayanagar,B-41	Bangalore	Karnataka	560 041	7	Engineering and Technology	181	Telecommunication	Communication Subjects
14, II Main, Gavipuram Extn., Bangalore-19	Bangalore	Karnataka	560019	7	Engineering & Technology	181	Telecommunication	Wireless Sensor Networks
#93, 3rd Cross, 2nd main, Govt. Press Layout, Ullal Road, Bangalore-560056	Bangalore	Karnataka	560056	7	Engineering & Technology	181	Telecommunication	Associate Professor in ETE Dept,Dr, AIT
#43, Shivasadana, Ist I Cross, I Block, 2 stage Nagarabhavi, Bangalore	Bengaluru	Karnataka	560056	7	Engineering and Technology	181	Telecommunication	Image signal processing
#237, 7th main, BCC layout, near chandralayout watertank, chandralayout , Vijayanagar 2nd Stage, Bangalore	Bangalore	Karnataka	560040	7	Engineering and Technology	181	Telecommunication	Optical Communication and Networking
#2066, 30th cross, D-group Layout, Sri Gandhada Kavalu	Bangalore	Karnataka	560056	7	Engineering and Technology	181	Telecommunication	Communication systems, Image Processing
#1277, 20th cross,27th main,D group layout,Bangalore 560091	Bengaluru	Karnataka	560056	7	Engineering and Technology	181	Telecommunication	VLSI design abd Embedded system design
#124, 2 main , 4 cross, nandini layout	Bangalore	Karnataka	560096	7	Engineering & Technology	181	Telecommunication	Speech Processing
Dept of ETE,Dr AIT	Bengaluru	Karnataka	560056	7	Engineering and Technology	181	Telecommunication	Power Electronics
No. 230, m-cross, 1st block, 2nd stage, Nagarbhavi	Bangalore	Karnataka	560072	7	Engineering and technology	181	Telecommunication	Digital Communication and Networking

Qualification	Subject	Institute	Year_of_Passed_out	Designation	Department	Organisation
Ph.D	Information & Communication	Anna University	2008	Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560060
Ph.D	Wireless sensor networks	University Visweswraya college of engineering	2016	Associate professor and HoD	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560057
Ph. D	Biometrics	Bangalore University	2014	Professor, Dean (Examinations)	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560059
Ph.D	Electronics and Communication Engineering	PRIST University	2020	Associate Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560064
Ph.D	Electrical & Electronics Engineering Sciences	VTU	2020	Associate Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560063
Ph.D	Image Processing	Jain University	2021	Associate Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560065
Ph.D	Image signal processing	University of Visveswaraya Technology	2018	Associate Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560065
Ph.D	Optical Communication and Networking	Dr Ambedkar Institute of Technology	2021	Assistant Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560067
Ph.D	Signal Processing	Jain University	2021	Assistant Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560062
M. Tech	VLSI design abd Embedded system design	Dr.Ambedkar Institute of Technology	2010	Assistant professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560066
M. Tech	Electronics	BMSCE, Bangalore	2007	Assistant Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560056
M. Tech	Power Electronics	Oxford college of engineering	2011	Assistant professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560058
M. Tech	Digital Communication and Networking	Reva ITM	2013	Assistant Professor	Electronics and Telecommunication and Engineering	Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BANGALORE-560061

Organisation_Type	Organisation_URL	Working_From_Month	Working_From_Year	ORCID_ID	Web of Science Researcher_ID	Scopus_ID	Google_Scholar_ID
Technical Institute	www.drait.edu.in	2	1990	0000-0003-3203-7652	AAF-6412-2021	57219170115	q0dxr9EAAAAJ
Technical Institute	www.drait.edu.in	2	1992	0000-0001-7471-1567	E-9600-2018	57207926014, 57221665168 57340315700	6EBeB5z2rb0C
Technical Institute	www.drait.edu.in	12	2014	0000-0003-3691-0914	ABG-7209-2020	34880893400	wCL8z9kAAAAJ
Technical Institute	www.drait.edu.in	8	1992	0009-003-2914-6265	AAF-6426-2021	57191587144	StZW3y8AAAAJ
Technical Institute	www.drait.edu.in	9	1992	0000-0001-5328-4500	AAF-6514-2021	57189645811	YKxF6pAAAAAJ
Technical Institute	www.drait.edu.in	9	1992	0009-0003-8037-2495	AAF-6451-2021		O0dOKDkAAAAJ
Technical Institute	www.drait.edu.in	3	2004	0000-0002-2882-0102	AAF-6481-2021		---
Technical Institute	www.drait.edu.in	3	2004	0000-0002-5982-8983	AAF-6498-2021	57189239231	DiKUTIPOLEH
Technical Institute	www.drait.edu.in	4	2004	0009-0008-0523-0442	AAF-6493-2021	57200162247	eWZ6akkAAAAJ
Technical Institute	www.drait.edu.in	10	2005	0000-0002-4833-6051	AAF-6489-2021		WPWslssAAAAJ&hl
Technical Institute	www.drait.edu.in	2	2010	0009-0003-7234-3272	AAF-6435-2021	55814211300	nPL7Wq4AAAAJ&hl
Technical Institute	www.drait.edu.in	2	2011	0009-0006-8110-5956	AAF-6447-2021		0QLQV70AAAAJ&hl
Technical Institute	www.drait.edu.in	9	2014	0009-0003-5320-2618	AAF-6548-2021		UhNX8CYAAAAJ&hl

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Research and Development Centre

Quarterly plan to realize annual Target(Calender Year 2023)

Department of Electronics & Telecommunication Engineering

#	Major/Minor Activity	Target: Quarter 1			Target: Quarter-2			Target: Quarter-3			Target: Quarter-4			Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	R & D Avareness Program(Publication, Patent,Funding)-Internal Experts			1		1		1			1			4
2	R & D Avareness Program(Publication, Patent,Funding)-External Experts				1				1			1	1	4
3	Research Publications Indexed in Scopus / WoS / SCIE - as 1st Author(01 per Faculty per Sem including Student Project)	2	2	2	2	2	3	2	2	3	2	2	2	26
4	Patents - Published (01 per PhD Faculty Per Year)					1				1	1		1	4
5	Patents - Granted (01 per PhD Faculty Per Year)						1						4	5
6	Research Grants - Applied (01 per PhD Faculty Per Year)			1				1		1		1		4
7	Research Grants - Granted (01 per Department Per Year)	1							1					2
8	Consultancy (Rs.10,000/- or more) - For Each Department	Department Contribution												1
9	MOUs / IIC Labs (01 Per Department Per Year)													1
10	Student Projects (Financial Support From KSCST / VTU etc)			4									1	5
11	FDPs on Research, Consultancy, Patents and related activities(FDP - 04Nos ATAL FDP / IIT / IIM / NITs per year)	Department Contribution												4
12	Organizing Student - R&D Events (For Dr AIT)		1		1					1			1	4
13	Visit to Industry and ResearchOrganizations(IISc /IIT / IIM / NIT / NIRF Top 25 Govt Institutes / R&D Labs) by Dr AIT R&D Department Members			1			1			1	1			4

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List of MSc by Research. Awarded -- **NIL**

MSc by Research awarded:2019

Sl No	Name of the Student	USN	Name of the Research Supervisor/Co-Supervisor	Title of the Thesis	Name of the University	Date of Completion of the MSc by Research	Link: Abstract of the Thesis

MSc by Research awarded:2020

Sl No	Name of the Student	USN	Name of the Research Supervisor/Co-Supervisor	Title of the Thesis	Name of the University	Date of Completion of the MSc by Research	Link: Abstract of the Thesis

MSc by Research awarded:2021

Sl No	Name of the Student	USN	Name of the Research Supervisor/Co-Supervisor	Title of the Thesis	Name of the University	Date of Completion of the MSc by Research	Link: Abstract of the Thesis

MSc by Research awarded:2022

Sl No	Name of the Student	USN	Name of the Research Supervisor/Co-Supervisor	Title of the Thesis	Name of the University	Date of Completion of the MSc by Research	Link: Abstract of the Thesis

Total Number of MSc by Research awarded up to 2018: **NIL**
Total Nuber of MSc by Research awarded up to 2022: **NIL**
Total Number of MSc by Research Awarded from 2019 to 2022: **NIL**

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Research Areas:

- Information And Communication Engineering
- Image Processing
- Wireless Sensor Networks
- Optical Networks
- Communication Sytems
- Digital Communication

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Dr.Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Electronics and Telecommunications Engineering

List of Ph.D. awarded

Ph.D. awarded:2019 - **NIL**

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis

Ph.D. awarded:2020

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
	Sunil S Harakannanavar	1DA15PEJ24	M	2016	PT	Development of Efficient Algorithms for Personal Authentication based on Physiological Biometric Traits.	Prashanth C R	VTU	8th February 2020	https://drive.google.com/file/d/1XddCERtJSPNssDp5Hi-tD-h4Tph-Urit/view?usp=share_link

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Name of the Research Centre: Department of Electronics and Telecommunications Engineering

Ph.D. awarded:2021

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/ Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1.	Dr Shruthi P C	1DA11PEN01	Female	Dec 2011	Part time	Intelligent placement of Wavelength Converters in WDM Networks	Dr.Indumathi T S	VTU	2021	https://docs.google.com/document/d/1rDZV8LGiwoJsUqpUWbvvYkC17T3WN5upH0xqtD_fezc/edit?usp=sharing

Ph.D. awarded:2022

Sl No	Name of the Student	USN	Gender	Year of Registration	Full Time-FT/Part time-PT	Title of the Thesis	Name of the Research Supervisor/Co-Supervisor	Name of the University	Date of Completion of the PhD	Link: Abstract of the Thesis
1.	Srivani P	1DA16PEJ26	Female	2015	Part time	Design & Implementation of controlled environment agriculture system with smart hydrophonics on leafy vegetables	Dr. Yamun Devi C R	VTU	10.03.2022	https://docs.google.com/document/d/1rJ0JHamCE7d0VcHfEdVbEc5GPWz5

Dr.Ambedkar Institute of Technology, Bengaluru-56
Name of the Research Centre: Department of Electronics and Telecommunications Engineering

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Sl No	No of PhD awarded(Numbers only)			
	2019	2020	2021	2022
	00	01	01	01

Total Number of PhD awarded up to 2018: **03**
Total Nuber of PhD awarded up to 2022: **09**
Totla Number of Ph.D awarded from 2019 to 2022: **03**

Research Facilities available in the Electronics & Telecommunication Department:

- i-sense wireless sensor network kits
- MATLAB
- FEKO
- QualNet, NS2
- Microstrip Antenna Training Kit
- Advanced Antenna Training System
- DSP (TMS Processor) Kits with CCS,FPGA kit
- MONOSEK
- Spectrum Analyzer
- Digital Video Development Platform
- X,C,Ku band Microwave setups
- Power meters with thermistor mount in Microwave measurements
- Digital Communication trainer kits
- Data communication kit,optical fibre trainer kit
- Digital Video Development Platform(DVDP)
- Mobile Communication Standards Lab

Coordinator:Profile: Dr Vidya Honguntikar
Associate Professor
Dept. Of ETE
e-mail: vidyah91.et@drait.edu.in
Ph. No: 9886653875

Research Mandate:

VISION OF THE DEPARTMENT

To develop competent Electronics and Telecommunication Engineering Graduates through Academic Excellence.

MISSION OF THE DEPARTMENT

M1: To impart high quality Education imbibing Professional and Ethical values.

M2: To prepare students for successful Technical job careers and as emerging Team Leaders Globally.

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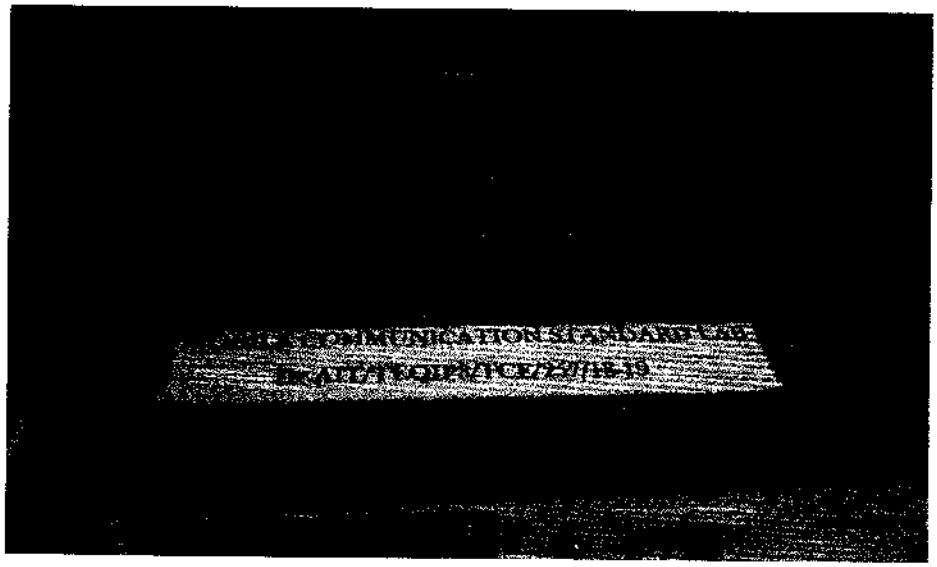
M3: To create a conducive Environment for Continual Learning and Research in the field of Electronics and Telecommunication
Research Priority areas:

Photo Description

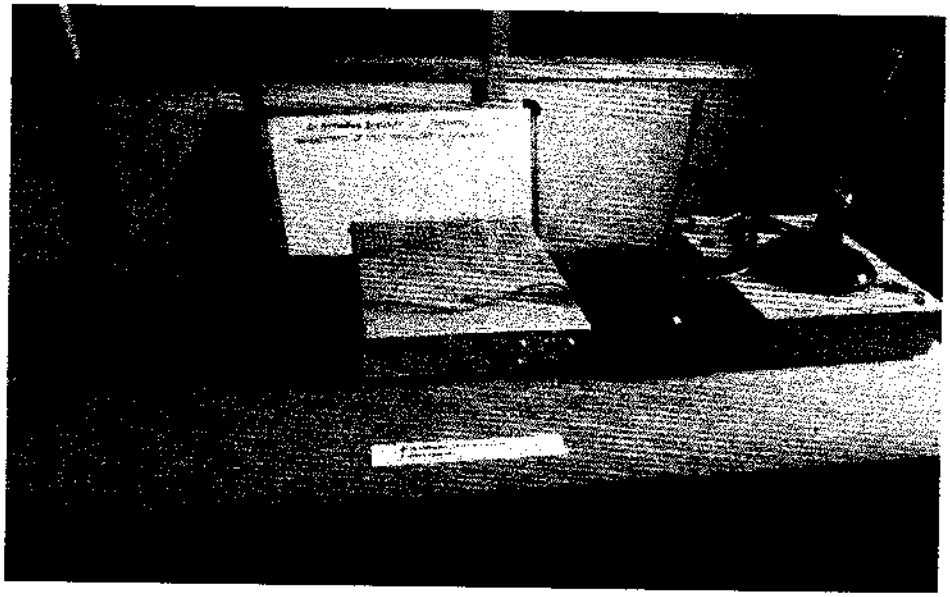
List of Major Equipment (Photos with cost)(> 5 Lakhs)

Major Equipment's

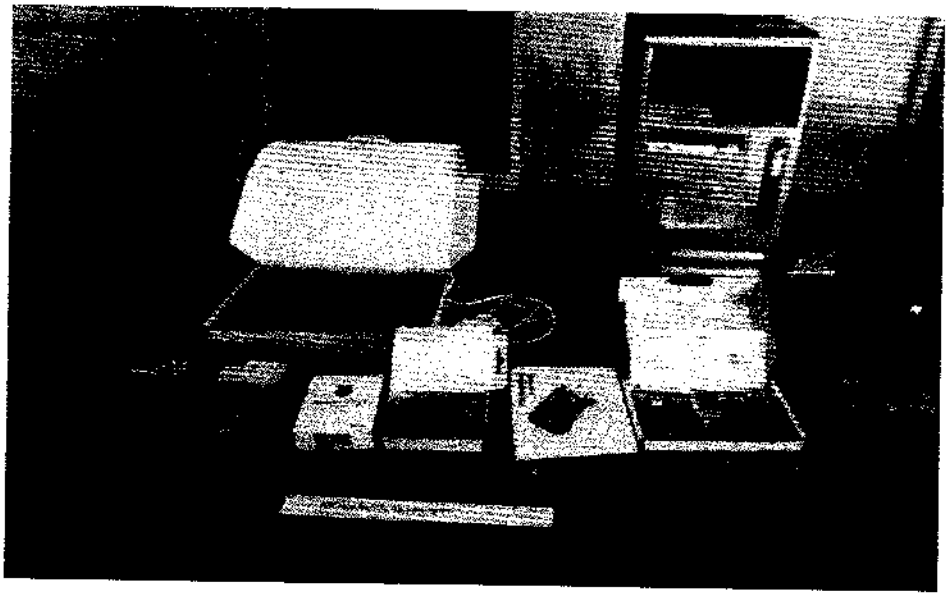
1) HFSS software, Spectrum analyzer, Pattern recorder
2)Mobile communication Standard kits
3) MONOSEK network protocol analyzer
4) IOT test bench, Raspberry PI
5) National Instruments DAQ
6) Integrated Sensor networks for power intelligence



MOBILE COMMUNICATIONSTANDARDS LAB



PORTABLE PATTERN RECORDER



IOT TEST BENCH SET

INTEGRATED SENSOR NETWORK FOR POWER INTELLIGENCE

MONOSEK NETWORK SECURITY SOFTWARE

MOBILE COMMUNICATION STD

List of Minor Equipment with cost(<5 Lakhs)

VHDL Kits
DSP kits
Digital Trainers_kits
Microwave Test bench sets
Communication kits
Optical Fiber kits

Services offered : NIL

Faculties offered to oversee the research activities:

- 3 Research groups were formed at the Department level
  - Communication
  - Image Processing
  - Sensor Networks
- 9 Faculty out of 13 are PhD holders in various domains.
- 2 faculties are pursuing their PhD.
- All the faculty members analyze engineering problems and provide solutions which are cost effective, using modern tools and communicate effectively for sustainable development and lifelong learning.

Achievements:

Name of Faculty	Academic Year	Awards/Recognitions	Date and Place	International/ National/ State/ University level
Dr. B. Sivakumar	2020-21	Recognized as Editor /Reviewer for International Journal ICTACT, IJEST	Till date	International
		VTU nominee to BOS	2021 to 2024 BNMIT, Bangalore	University level
	2018-19	Keynote speaker in "4th International conference on computer networks & Information Technology"	23rd and 24th March 2018 in Pattaya, Thailand.	International
Dr.Prashanth C.R	2020-21	VTU nominee to BOS-ECE	2020-2022,Global Academy of Technology, Bangalore	University level
Dr. Aravinda H.L.	2019-20	Best paper award	RNSIT, Bengaluru	3rd International Conference on Data Engineering & Communication Systems

Major Grants received

Sl No	Name of the Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years
1	Dr. B. Sivakumar	"A Design of Smart Antenna based Mobile ad-Hoc Network"	AICTE-RPS	AICTE	Govt	2019-22	Rs. 10,00,000/-	239/RIFD/RPS(POLICY-1)/2018-19	3 years
2	Dr. Yamuna Devi C R	Monosek for Network Security Lab	VGST (K-FIST)	VGST	Govt	2018-19 (2 Years)	Rs. 20,000 00/-	KSTePS/VGST/K-FIST(L1)/2016-17/GRD-574/2017-18/141/935	2 years

Major MOU signed:

Sl No.	Industry Name	MOU signed Date
1	Nihon Communication Solutions Pvt. Ltd.(NCS)	21.04.14
2	Silicon Micro System(SiMS)	16.03.2015
3	EdGate Technologies	March 2015
4	Trans Neuron Technologies	02.03.2016
5	UTL Technologies	15.11.2016
6	Data Lore Labs Pvt. Ltd.	20.11.2018
7	Master i2R Solutions (TCS ion)	19.06.2018
8	JK Infotech, Bangalore	16.03.2021
9	3Q Sutantra LLP	22.04.2021

International Collaborators: Nil

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Name of the Department:.....

Publication Statistics(ETE Department)

	Publications								
Year	Scopus Publications	WoS publications	Citations	Crossreference citations	h-index	i-index	google scholar citations	books	Book chapter
2022	15	17	17	nil	42	21	262	nil	2
2021	13	3	13	nil	42	21	146	nil	6
2020	12	0	12	nil	42	21	116	1	3
2019	10	4	10	nil	35	21	135	nil	9
2018	9	4	9	nil	27	15	121	nil	5
2017	8	2	8	nil	4	2	109	nil	6
2016	5	13	13	nil	nil	nil	89	nil	2
2015	7	nil	7	nil	nil	nil	80	nil	2
2014	nil	1	1	nil	nil	nil	73	nil	4
2013	nil	nil	nil	nil	nil	nil	46	nil	2
2012	nil	nil	nil	nil	nil	nil	54	nil	1
2011	nil	nil	nil	nil	nil	nil	37	nil	nil
2010	nil	nil	nil	nil	nil	nil	20	nil	nil
2009	nil	nil	nil	nil	nil	nil	11	nil	nil
2008	nil	nil	nil	nil	nil	nil	5	nil	nil
2007	nil	nil	nil	nil	nil	nil	5	nil	nil
2006	nil	nil	nil	nil	nil	nil	4	nil	nil
2005	nil	nil	nil	nil	nil	nil	2	nil	nil
2004	nil	nil	nil	nil	nil	nil	nil	nil	nil
2003	nil	nil	nil	nil	nil	nil	nil	nil	nil
2002	nil	nil	nil	nil	nil	nil	nil	nil	nil
2001	nil	nil	nil	nil	nil	nil	nil	nil	nil
2000	nil	nil	nil	nil	nil	nil	nil	nil	nil

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MoUs

MoUs: 2019 - **NIL**

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link

MoUs: 2020 - **NIL**

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link

MoUs: 2021

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link
1	JK Infotech, Bangalore # 539, 8th Main Rd, SBI Staff Colony, Hoshalli Extension,	Embedded Systems and Industrial IoT, by Thejesh, Technical Manager on 24th April 2021.	16.03.2021	15.03.2025	4 years	https://drive.google.com/file/d/1q-aONfc4A92hDGcscW6K2zYHjmZskifk/view?usp=share_link

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	Stage 1, Vijayanagar, Bengaluru, Karnataka 560040 8892277224 enquiry@jk-infotech.com					
2	3Q Sutantra LLP No 118 26th cross KP Agrahara Bhuvaneshwarinagar,5th main, Magadi Main Rd, Bengaluru, Karnataka 560023 9148402398 director@3qsutantra.com info@3qsutantra.com	A Webinar on "The role of Network Engineers" was delivered by Naveen Chander, Founder & CEO, 3Q SUTANTRA, Bangalore Date : 22nd April 2021 Time : 3.00PM – 4.00PM	22.04.2021	21.04.2025	4 years	https://docs.google.com/document/d/1zMDucNzYPNWJALHWMhIgi92TH6TEBsne/edit?usp=share_link&ouid=104874395796473627934&rtpof=true&sd=true

MoUs: 2022 - **NIL**

Sl.No	Name of the Industry/Research organization with complete Address, Email ID, Phone No	Description of the MoUs/Activities taken	MoU signed date	Valid till	Term	Link

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Industry collaborations

Industry collaborations: 2019 : NIL

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

Industry collaborations: 2020 : NIL

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link

Industry collaborations: 2021

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link
1	Larsen and Toubro Defence, Bangalore. sharashchandra. mk@larsentoubro.com M: 9880102525	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
2	RPS Consultancy Pvt. Ltd.,Bangalore. m_jagannath@yahoo.com	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
3	Persistent Systems Ltd., Bangalore.	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaO

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Dept. of Electronics & Telecommunication Engg
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Bengaluru-560 056

	shylaja.narahari@gmail.com M: 9900155175			YUB_Bhs-qfQ/view?usp=share_link
4	Bharat Electronics Limited ,Bangalore mahendrac@bel.co.in M: 9900115472	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
5	Hewlett Packard Enterprise, Bangalore, pavan.iddalagi@hpe.com M: 9731771771	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
6	Target Corporation, Bangalore. narasimha.kaushik.n@gmail.com M: 9916395280	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
7	Oracle Database Outbound Product Management, Oracle corp., Bangalore. madhusudhan.rao@oracle.com M: 9886448488	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share_link
8	Electrono Solutions Pvt. Ltd., Bangalore. kalyan@electronosolutions.com M: 9741117119	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share_link
9	CISCO Systems India Pvt. Ltd., Bangalore. ajaykrish87@gmail.com M : 9945876388	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share

				_link

Industry collaborations: 2022

Sl.No	Name of the Industry with complete Address, Email ID, Phone No	Description of the collaboration/Activities taken	Year	Link
1	Larsen and Toubro Defence, Bangalore. sharashchandra. mk@larsentoubro.com M: 9880102525	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
2	RPS Consultancy Pvt. Ltd.,Bangalore. m_jagannath@yahoo.com	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
3	Persistent Systems Ltd., Bangalore. shylaja.narahari@gmail.com M: 9900155175	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
4	Bharat Electronics Limited ,Bangalore mahendrac@bel.co.in M: 9900115472	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
5	Hewlett Packard Enterprise, Bangalore, pavan.iddalagi@hpe.com M: 9731771771	Industry Advisory Board members	2021	https://drive.google.com/file/d/1ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
6	Target Corporation, Bangalore.	Industry Advisory Board	2021	https://drive.google.com/file/d/1

	narasimha.kaushik.n@gmail.com M: 9916395280	members		ttF0zPEWK3RHAMgywUhaOYUB_Bhs-qfQ/view?usp=share_link
7	Oracle Database Outbound Product Management, Oracle corp., Bangalore. madhusudhan.rao@oracle.com M: 9886448488	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share_link
8	Electrono Solutions Pvt. Ltd., Bangalore. kalyan@electronosolutions.com M: 9741117119	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share_link
9	CISCO Systems India Pvt. Ltd., Bangalore. ajaykrish87@gmail.com M : 9945876388	Board of Studies	2021	https://drive.google.com/file/d/1HtrePIVyLZE_KcU8jZNvN1QmWBVQAdQj/view?usp=share_link

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Research Guide details.

#	Name of the Research Supervisor	Designation	Specialization	M.Tech Awarded University	Year of Award	PhD Awarded University	Year of Award	Year of Recognition as a guide	Is the faculty still serving in the institution/if not last year of service of the faculty in the institution
1	Dr.Sivakumar	Professor	Information & Communication Engg.	Bharathiar	05.10.2000	Anna University	2006	2008	Yes
2	Dr.Yamuna Devi C.R	Assoc. Professor	Wireless Sensor Networks	BITS PILANI	10.03.1998	Bangalore University	2016	2017	Yes
3	Dr.Prashanth C.R	Professor	Image Processing	Bangalore University	10.01.2000	Bangalore University	2014	2015	Yes
4	Dr.Chandrakala V	Assoc. Professor	Biometrics of Image Processing	VTU	08.01.2003	Bangalore University	2018	2020	Yes

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Grants

On-Going Research Project Details: 2019

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1	Dr. B. Sivakumar	--	"A Design of Smart Antenna based Mobile ad-Hoc Network"	AICTE-RPS	AICTE	Govt	22/11/2019	Rs. 10,00,000/-	239/RIFD/RPS(POLICY-1)/2018-19	3 years	https://drive.google.com/file/d/1jIkkKTsoqo-1VlkIw-rFj6WAtyRCPV1e/view?usp=sharing
2	Dr. Yamuna Devi C R	--	Monosek for Network Security Lab	K-FIST (LI) Programme	VGST	Govt	21/12/2017	Rs. 20,00000/-	KSTePS/VGST/K-FIST(L1)/2016-17/GRD-574/2017-18/141/935	2 years	https://drive.google.com/file/d/1BV3YU8vrwzdkSXyYmKJzy0T2zheabmtf/view?usp=share_link

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On-Going Research Project Details: 2020

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1	Dr. B. Sivakumar	--	"A Design of Smart Antenna based Mobile ad-Hoc Network"	AICTE-RPS	AICTE	Govt	2019-22	Rs. 10,00,000/-	239/RIFD/RPS(POLICY-1)/2018-19	3 years	https://drive.google.com/file/d/1jIkkKTsoqo-1VlkIw-rFj6WAtyRCPV1e/view?usp=sharing
2	Dr. Yamuna Devi C R	--	Monosek for Network Security Lab	VGST (K-FIST)	VGST	Govt	2018-19 (2 Years)	Rs. 20,00000/-	KSTePS/VGST/K-FIST(L1)/2016-17/GRD-574/2017-18/141/935	2 years	https://drive.google.com/file/d/1BV3YU8vrwzdkSXyYmKJzy0T2zheabmtf/view?usp=share_link

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On-Going Research Project Details: 2021

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1	Dr. B. Sivakumar	--	"A Design of Smart Antenna based Mobile ad-Hoc Network"	AICTE-RPS	AICTE	Govt	2019-22	Rs. 10,00,000/-	239/RIFD/RPS(POLICY-1)/2018-19	3 years	https://drive.google.com/file/d/1jIkkKTsoqo-1VlkIw-rFj6WAtyRCPV1e/view?usp=sharing
2	Dr. Yamuna Devi C R	--	Monosek for Network Security Lab	VGST (K-FIST)	VGST	Govt	2018-19 (2 Years)	Rs. 20,00000/-	KSTePS/VGST/K-FIST(L1)/2016-17/GRD-574/2017-18/141/935	2 years	https://drive.google.com/file/d/1BV3YU8vrwzdkSXyYmKJzy0T2zheabmtf/view?usp=share_link

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On-Going Research Project Details: 2022

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1	Dr. B. Sivakumar	--	"A Design of Smart Antenna based Mobile ad-Hoc Network"	AICTE-RPS	AICTE	Govt	2019-22	Rs. 10,00,000/-	239/RIFD/RPS(POLICY-1)/2018-19	3 years	https://drive.google.com/file/d/1jIkkKTsoqo-1VlkIw-rFj6WAtyRCPV1e/view?usp=sharing
2	Dr. Yamuna Devi C R	--	Monosek for Network Security Lab	VGST (K-FIST)	VGST	Govt	2018-19 (2 Years)	Rs. 20,00000/-	KSTePS/VGST/K-FIST(L1)/2016-17/GRD-574/2017-18/141/935	2 years	https://drive.google.com/file/d/1BV3YU8vrwzdkSXyYmKJzy0T2zheabmtf/view?usp=share_link

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Completed Research Project Details: 2019

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/ Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
1	Dr. Yamuna Devi C R	--	Monose k for Network Security Lab	VGST (K-FIST)	VGST	Govt	2018-19 (2 Years)	Rs. 20,00000/-	KSTePS/VGS T/K-FIST(L1)/2016 -17/GRD-574/2017-18/141/935	2 years (Phase I Completed)	https://drive.google.com/file/d/1BV3YU8vrwzdkSXyYmKJzy0T2zheabmtf/view?usp=share_link

Completed Research Project Details: 2020

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
Nil											

Completed Research Project Details: 2021

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
Nil											

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Completed Research Project Details: 2022

Sl No	Name of the Principal Investigator	Name of the Co-Principal Investigator	Title of the Research Project	Scheme	Name of the Funding agency	Type of the funding agency(Govt/Non-Govt	Project Sanctioned date	Total amount sanctioned in Rs	Sanctioned Order No.	Duration in Years	Link
Nil											

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Research Student Publication

National Conference - 2019

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

National Conference - 2020

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

National Conference - 2021

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NIL										

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National Conference- 2022

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

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Research Student Publication

International Conference- 2019

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol .No	Issue No	Year	Link
1.	Sunil S H/ Dr. Prashanth C R	1DA15PEJ24	Face Recognition based on SWT, DCT and LTP	SWT and DCT are applied on resized face images to produce features. LTP is applied on SWT features. SWT, DCT and LTP features are concatenated to get final features. Features of test and database images are compared using Euclidean distance.	10.1007/978-981-10-8797-4_57	pp. 565-573	--	--	2019	https://doi.org/10.1007/978-981-10-8797-4_57
2.	Sunil S H/ Dr. Prashanth C R	1DA15PEJ24	MSB based Iris Recognition using Multiple Feature Descriptors	The DWT is applied on four-bit MSB to extract the iris features. Then ICA is applied on approximate sub band to extract the significant details of iris. The obtained features are then applied on BSIF to	10.1007/978-3-030-30465-2_68	pp. 615-623	--	--	2019	https://doi.org/10.1007/978-3-030-30465-2_68

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				obtain the enhanced response with final features.						

International Conference - 2020

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
1.	Lakshmi M and Prashanth C R	1DA16PEJ08	Throughput Improvement in Energy Efficient Heterogeneous Wireless Sensor Network	WSN	http://dx.doi.org/10.1007/978-981-16-3690-5_3	17-34	783	--	2020	https://link.springer.com/chapter/10.1007/978-981-16-3690-5_3

International Conference - 2021

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
1.	Shwetha Vura/Dr.Yamuna Devi C.R	1NC15PEJ01	Lossless Compression of Satellite Images using a Versatile Hybrid Algorithm	ICMSMT conference					16th April 2021	
2.	Shwetha Vura Dr.	1NC15PEJ01	A Study of Different Compression	IEEE 5NANO20					29th April	

	Yamuna Devi C.R		Algorithms for Multispectral Images	21					2021	
3.	Lakshmi M and Prashanth C R	1DA16PEJ08	A Back Propagation Neural Network Model and Efficient Routing Security Mechanisms against Blackhole Attack in HWSNs	WSN	10.1007/978-981-16-6407-6_55	--	237	--	2021	https://link.springer.com/chapter/10.1007/978-981-16-6407-6_55
4.	Usha Rani M.A Dr.Prashanth C.R	1DA15PEJ27	Energy Efficient Optimized Channel Estimation for Spectrum Sensing in Cognitive Radio network	Channel Estimation for Spectrum Sensing in Cognitive Radio network	10.1007/978-981-16-3246-4_58	779-794	--	--	2021	https://link.springer.com/chapter/10.1007/978-981-16-3246-4_58
5.	Darshan B D and Prashanth C R	1DA17PEA01	Secure Aware Routing to Enhance QoS Parameters for WSN in IoT	WSN-IoT	10.2139/ssrn.3852957	--	--	--	2021	https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3852957
6.	Shreyas Goutham Kumar/ Prashanth C R	1DA17PEA08	Solar Cell Material based on the Optimum Values of Key Parameters using PC1D		10.1109/INCET51464.2021.9456119	1-6	--	--	2021	https://ieeexplore.ieee.org/document/9456119

International Conference - 2022

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
1.	Shwetha Vura/Dr. Yamuna Devi C.R	1NC15PEJ01	A Novel Hybrid Compression Algorithm for Remote Sensing Imagery	ICIVC 2022					26th - 27th November 2022	

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Research Student Publication

National Journal - 2019

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

National Journal - 2020

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

National Journal - 2021

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
NIL										

Gowrishankar. N.

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National Journal - 2022

Sl. No	Name of the Student/Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
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International Journal - 2019

Sl. No	Name of the Student/ Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol. NO	Issue No	Year	Link
1	Praveen.K. B, Research Scholar, B. Sivakumar, Professor, Dept of TCE	**141512703**	Analysis of Resonant Peaks and Pitch for English Vowels of Diversified South Indian English Speakers	In this paper we perform Linear Predictive Coefficient (LPC) based algorithm for the estimation of fundamental frequency i.e., pitch and its successive frequency from speech signal which are considered as acoustic features of the speaker. Our point of concern is oriented among the five different vowels of Indian English i.e., /a/,/e/,/i/,/o/ and /u/ by plotting onto the spectrogram. From the Spectrogram different resonant components	jardcs.org	811-817	Volume 11	02-Special Issue	2019	https://www.jardcs.org/abstract.php?id=364

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				which are extracted from the major speakers from the southern part of the India. Vowel utterance made by speaker under consideration for 20 times, variations in obtained results for normal conditions of speaker. The author propose to investigate the variability as an parameter for speech recognition process the complete process. The complete process has been executed using Matlab.						
2.	Lakshmi Bhaskar/ Dr. Yamuna Devi C.R	1DA18PTE01	Data Aggregation and its Impact on Performance Enhancement	International Journal of Innovative Technology Exploring Engineering (IJITEE)		316-319	Volume-9	Issue-2S	2019	http://www.ijitee.org/wp-content/uploads/papers/v9i2S/B10831292S19.pdf
3.	Lakshmi M/ Dr. Prashanth C R	1DA16PEJ08	Performance Analysis of Heterogeneous Wireless Sensor Network using MIMO Concept	WSM	10.35940/ijitee.L2606.1081219	3461-3471	8,12	12	2019	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L26061081219.pdf
4.	Sunil S H/ Dr.	1DA15PEJ24	Performance Analysis of	Biometrics	10.35940/ijeat	230-239	8,6	6	2019	https://www.ijeat.org/wp-

	Prashant h C R		MSB based Iris Recognition using Hybrid Features Extraction Technique		.E7292.088619					content/uploads/papers/v8i6/E7292068519.pdf
5.	Sunl S H/ Dr. Prashant h C R	1DA15PEJ24	Comprehensive Study of Biometric Authentication Systems, Challenges and Future Trends	Biometrics	10.35444/IJANA.2019.10048	3958 - 3968	10,4	4	2019	http://www.ijana.in/v10-4.php#
6.	Sunil S H/ Dr. Prashant h C R	1DA15PEJ24	Technical Challenges, Performance Metrics and Advancements in Face Recognition System	Biometrics	https://doi.org/10.26438/ijcse/v7i3.836847	836-847	7,3	3	2019	https://www.ijcseonline.org/full_paper_view.php?paper_id=3925
7.	Sunil S H/ Dr. Prashant h C R	1DA15PEJ24	An Extensive Study of Issues, Challenges and Achievements in Iris Recognition	Biometrics	https://doi.org/10.51983/ajes-2019.8.1.2336	25-35	8,1	1	2019	https://trp.org.in/wp-content/uploads/2019/03/AJES-Vol.8-No.1-January-March-2019-pp.25-35.pdf
8.	SHILPA	1DA17LDN	Secure	Developing Chaotic	10.242	1-12	9	2	Dec20	https://issuu.c

	N/Mahesan K.V	06	Communication Wht Using Chaotic Encryption And Decryption For Protecting Sensitive Poc	encryption and Decryption for protecting the point of care.	47/ijeeerdec201 91				19	om/tjprc/docs/1ijeeerdec20 191
9.	Keerthi S., Nayana S., Kavita Baligar, Nithyashree K.M. / Sowmya M.	1DA16TE406, 1DA15TE022, 1DA15TE014, 1DA15TE025	*Smart Coal Mining Safety using IoT*	Coal mining is the biggest trade in the world. Coal mining is the process of extracting minerals from the ground. In the coal mining occupational accident and hazardous events are occurs commonly. As a result of these accidents many skilled workers and laborers lost their life. There is no advent precaution measure to detect the hazardous event occurred in coal mining field and to provide an alert system. A classic model is to monitor the condition of mining fields is designed. The model consists of two sections namely nodal section and helmet section. The Helmet section consists of Infrared [IR] sensor and heartbeat	-	681-686	6	5	2019	www.jetir.org/view?paper=JETIR1905K93

				sensor. If the helmet is removed accidentally that will be indicated by the Infrared [IR] sensor and heartbeat rate of the miner is detected using heartbeat sensor. Nodal section consists of Temperature, metal detector, gas and PIR sensors. These sensors will measure the environmental condition of the mining field. The sensed parameters are communicated via ZigBee. Arduino and ARM 7 controllers are placed in helmet and the nodal section respectively for the processing. The monitored parameters are uploaded to cloud for permanent storage using internet of Things [IoT].					

International Journal - 2020

Sl. No	Name of the Student/ Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link

1.	**Mohan Babu.C, Dr.B.Sivakumar**	1DA16PEJ11	Design of Enhanced RTP-RTCP Protocols for Heterogeneous Wireless Ad-hoc Networks to Enhance Channel Coverage and Capacity	The usage of the network for cellular and Ad-HoC has becoming density due to limitations of capacity, coverage, and Quality of Service (QoS). We introduce the heterogeneous Ad-HoC wireless network for the increase of the coverage and QoS to satisfy the end-users. The proposed research work proposes Heterogeneous Real-Time Transport Protocol (HRTP) and Real-Time Transport Control Protocol (H-RTCP) which utilizes different data formats and standards. For successful packet delivery ration between sources and destinations, the combined HTRP and HRTCP are most close to IEEE 802.11 wireless mesh network. The combined routing protocol and routing algorithm are provided better Packet Delivery Ration (PDR), minimum Jitters, good end-	https://doi.org/10.30534/ijatcse/2020/180922020	2065 - 2077	9	2	2020	Available Online at http://www.warse.org/IJATCSE/static/pdf/file/ijatcse180922020.pdf

				to-end delay, and high throughput. The combined proposed heterogeneous network solves the problems of the number of packets sending over longer distances with different paths and increases the network capacity and converges. The designed heterogeneous network is validated by using the NS2 simulation environment and the obtained results are outperforming when compared with LTE and Wi-Fi technologies. The simulated results are shows that, there is an improvement of 23%, 45%, 12% and 78% in throughput, end-to-end delay, efficiency, and Jitter respectively.						
2.	**Mohan Babu.C, Dr.B.Sivakumar**	1DA16PEJ11	Enhancement of Channel Coverage andCapacity of Heterogeneous Wireless Ad-Hoc Network Using RTP-RTCP	The usage of the network for cellular and Ad-HoC has becoming density due to limitations of capacity, coverage, and Quality of Service (QoS). We introduce the heterogeneous Ad-HoC wireless network for the increase of the coverage and QoS to satisfy the end-users. The proposed research work	iosrjournals.org	51-58	15	2	Apr 2020),	http://www.iosrjournals.org/iosr-jece/papers/Vol.%2015%20Issue%202/Series-2/J15020251 58.pdf

			Protocols	proposes Heterogeneous Real-Time Transport Protocol (HRTP) and Real- Time Transport Control Protocol (H-RTCP) which utilizes different data formats and standards. For successful packet delivery ration between sources and destinations, the combined HTRP and HRTCP are most close to IEEE 802.11 wireless mesh network. The combined routing protocol and routing algorithm are provided better Packet Delivery Ration (PDR), minimum Jitters, good end- to-end delay, and high throughput. The combined proposed heterogeneous network solves the problems of the number of packets sending over longer distances with different paths and increases the network capacity and converges. The designed heterogeneous network is validated by using the NS2 simulation environment and the obtained results are outperforming when compared with LTE and Wi-						

				Fi technologies. The simulated results are shows that, there is an improvement of 23%, 45%, 12% and 78% in throughput, end-to-end delay, efficiency, and Jitterrespectively.						
3.	Sunil S H/ Dr. Prashanth C R	1DA15PEJ24	Development of Algorithm for Offline Signature Verification Using Fusion Extraction Techniques	Biometrics	--	1421 - 1431	15,9	9	2020	--
4.	Guide: Usha Rani M.A		Performance analysis and comparison of modulation techniques for 5 G technology	Analysis and comparison of modulation techniques for 5 G technology	-	pp 1118 - 1125		Issue 12	2020	-

International Journal - 2021

Sl. No	Name of the Student/ Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol. No	Issue No	Year	Link
1.	Swetha Vura / Dr.Yamuna Devi C.R	1NC15PEJ01	A Study of Different Compression Algorithms for Multispectral Images	Materials Today: Proceedings, Article in Press	https://doi.org/10.1016/j.matpr.2021.06.175				2021	
2.	Swetha Vura / Dr.Yamuna Devi C.R	1NC15PEJ01	Lossless Compression of Satellite Images using a Versatile Hybrid Algorithm	IOP Conference Series: Materials Science and Engineering	doi:10.1088/1757-899X/1166/1/012048				2021	
3.	Swetha Vura / Dr.Yamuna Devi C.R	1NC15PEJ01	Supervised Machine Learning Techniques for Sentiment Analysis and its Application in Image	Turkish Online Journal of Qualitative Inquiry (TOJQI)		5759 – 5775	Volume 12	Issue 7	2021	

			Processing and Remote Sensing							
4.	Praveen .K.B , Research Scholar, B.Sivakumar , Professor, Dept of TCE	**141512703**	Analysis of vowel addition or deletion in Continuous Speech	In order to improve the recognition performance, the articulation of the transcription is very important in the process of training. For continuous speech, the essential characteristics of various speakers are pronunciation variation, over focused or inadequately highlighted words can results the waveform misalignment in the sub word unit margin. Because of the deviation in the articulation leads into misalignment when this is compared with articulation dictionary. So the deletion or insertion of the sub word is necessary. This happens because for each expression, the transcription is not precise. This paper presents the corrections in the transcription at the sub word level utilizing sound prompts that are presented in the waveform. The transcription	https://doi.org/10.30574/gjeta.2021.7.3.0084	136–143	7	3	2021	https://gjeta.com/sites/default/files/GJETA-2021-0084.pdf

				of a word is fixed Utilizing sentence-level transcriptions with reference to the phonemes that create the word. Specifically, it clarifies that vowels are either deleted or inserted. To help the proposed contention, errors in persistent discourse are validated utilizing machine learning and signal processing tools. A programmed information driven annotator abusing the inductions drawn from the examination is utilized to address transcription errors. The outcomes show that rectified pronunciations lead to higher probability for train expressions in the TIMIT corpus.						
5.	Lakshmi M/ Dr. Prashanth C R	1DA16PEJ08	Designing an Energy Efficient Clustering in Heterogeneous Wireless Sensor Network	WSN	https://doi.org/10.5121/ijcnc.2021.13105	75-92	13,1	1	2021	https://aircconline.com/ijcnc/V13N1/13121cnc05.pdf
6.	Sahana R .Dr.Vid		Wearable Wireless Sensor Nodes	International Research Journal of Engineering and Technology (IRJET)		101-105	9	10	2021	

	hya H		For Telemonitoring Of Vital Body Parameters And Heart Activity							
7.	Dr. Chandrakala V	Maitra	Smart Village System for Rural Development	IoT	---	a643 - a648	9	5	2021	www.ijcrt.com

International Journal - 2022

Sl. No	Name of the Student/ Name of the Guide	USN	Title of the Paper	Research description	Digital Object Identifier (DOI)	PP	Vol.NO	Issue No	Year	Link
1.	Swetha Vura/ Dr.YamunaDevi C.R	1NC15PEJ01	Comparative Analysis of Huffman and Arithmetic Coding Algorithms for Image Compression	International Research Journal of Engineering and Technology (IRJET)		pp. 16-20	Volume 09	Issue 09	2022	
2.	Lakshmi Bhaskar/ Dr,Yamuna Devi	1DA18PTE01	Performance analysis of classic LEACH vs	Springer Nature					2022	

	C.R		CC-LEACH							
3.	Lakshmi Bhaskar? Dr.Yamuna Devi C.R	1DA18PTE02	Performance analysis of CC- LEACH	HTL Journal	https://doi.org/10.37896/HTL28.07/6133	346-354	28	7	2022	http://www.gjstx-e.cn/Current-Issue/
4.	Dr. B Sivakumar, Nisarga T P	1DA19LDN02	Design and Implementation of IoT based Golf Cart Autonomous Vehicles	Rapid improvements in technology are making autonomous vehicles feasible. Researchers and industry are looking for different methods to implement the concept of smart cities. Autonomous Vehicles provide a unifying framework for several research topics (e.g., navigation, localization and Global Positioning System (GPS) positioning, security, and privacy). Despite significant progress, I believe that fully autonomous vehicles will be deployed initially in constrained environments (e.g., closed loop areas, gated retirement communities). In this paper, I describe the development of a prototype autonomous golf-cart that can be used as a test-bed for a range of research projects. I explain the details	irjet.net	2081 - 2086	8	9	2022	https://www.irjet.net/archives/V8/i9/IRJET-V8I9333.pdf

				of the conversion from a traditional golf-cart to an autonomously driven one. My target application is a system of autonomously driven golf-carts for use within a retirement community. I show my testing results, and how Internet of Things (IoT) devices can be used to extend the Wi-Fi coverage for log reporting and to request the golf-cart. Finally, I discuss the challenges and highlight improvements that can be performed that can be performed on the system.						
5.	Balakrishnan Sivakumar *, Pooja G, Ranjitha S, Ruchitha S and Vedashree Chavan	1DA18TE027, 034, 036, 048	IoT implementation of underwater communication using Li-Fi	Li-Fi is similar to wireless communication which uses the communication medium as light. Nowadays RF interference are getting common due to maximum utility to overcome this problem Li-Fi is introduced in the year 2011. Li-Fi uses LED source to transmit data wirelessly this method is widely called as VLC (visible light communication). IoT technology using light fidelity module plays a vital role in environmental monitoring,	https://doi.org/10.30574/gjeta.2022.12.1.0111	092–101	12	01	2022	https://doi.org/10.30574/gjeta.2022.12.1.0111

				underwater disaster management and underwater military applications. Li-Fi communication provides data rate of more than hundreds of Mbps for short ranges and it is an alternative approach to accostic communication in underwater. In Li-Fi, light emitting diode (LED) lamps acts as access points (Aps), and light is used as a medium to carry information bits. At the receiver, a photo diode is employed to collect photons and convert them into a electric current. By using Li-Fi technique, data is transmitted in the light. Photo detector absorbs the light and convert it into electrical signal. The photo detector is placed near the surface of the sea. The information is then passed to cloud storage then it is utilized for various application.						
6.	Lakshmi M/ Dr. Prashanth C R	1DA16PEJ08	A Back propagation Neural Network Model for HWSNs	WSN	https://www.tandfonline.com/action/showCit	1-14	8,12	12	2022	https://www.tandfonline.com/doi/pdf/10.1080/03772063.2022.2135617?casa_token=eV7bZblO9y8AAAAA:6rHaGLP1CH11WG

			Using IMIMO with a Secured Routing Mechanism		Formats?doi=10.1080/03772063.2022.2135617					RZtaZEXiJhXAzqJUZUEmvN9171oWW3kMMx0saCd6zZqsHA9JNzCjiHwwBCcC7xXQ4
7.	Sunil S H/ Dr. Prashanth C R	1DA15PEJ24	Performance Evaluation of Feature Level Fusion for Multimodal Biometric Systems	Biometrics	--	2775 - 2792	13,1	1	2022	--
8.	(i)Gurumurthy Hegde (ii)Prajwal (iii)Raghu G.S (iv)Satyanarayan Bhat (v)Guide :Usha Rani M.A	(i)1DA18TE011 (ii)1DA18TE028 (iii)1DA18TE032 (iv)1DA18TE039	Distributed Cache Updating for the DSR Protocol in Wireless Communication using NS2	The DSR Protocol in Wireless Communication using NS2	-	pg.3577 to 3586	Volume 4	Issue 7	2022	-
9.	(i)Nikhil A.Kagar (ii)Guide	(i)1DA20LDN02	Design And Development Of OFDM,	QAM On Digital signal Processor	-	pg.734 to74	volume 9	Issue 4	2022	-

	s:Dr.Prashanth C.R (iii)Usha Rani M.A		QAM On Digital signal Processor			6				
10.	1.Mrs.Kavitha Narayan. B.M, 2.Varshini.S, 3Pallavi .K.M, 4.Sahana .S, 5.Hemanth Kumar.S,	1DA18TE047 1DA18TE026 1DA18TE037 1DA19TE406	"Survey on Detection of Diabetes Based on Iris Image Analysis"	Iris image analysis is one of the most efficient non-invasive diagnosis method which helps to determine the health status of organs. Irido-diagnosis is the branch of medical science, with the help of which different diseases can be detected. Our survey is concentrated on different techniques employed to detect diseases, especially diabetes. This paper aims to help the researchers entering into the field of iridology by providing the complete understanding of the different methods employed for extraction and classification.(Abstract)		IJRTI2207138	Volume 7,	Issue7	2022	https://ijrti.org/papers/IJRTI2207138.pdf
11.	1.Mrs.Kavitha Narayan. B.M,	1DA18TE0	"Detection of Diabetes Based on Iris Image Analysis"	The iris is like a map of the body. Changes in certain organs is reflected in specific parts of the iris. So in health diagnosis, Iris image play		JETIR2207403	Volume 9	Issue 7	July-2022	https://www.jetir.org/view?paper=JETIR2207403

	2.Varshini.S, 3Pallavi .K.M, 4.Sahana .S, 5.Hemanth Kumar.S,	47 1DA18TE026 1DA18TE037 1DA19TE406		very important role. For clinical diagnosis, Iris image analysis is one of the most efficient non-invasive diagnosis method which helps to determine the health status of organs. Irido-diagnosis is the branch of medical science, with the help of which different diseases can be detected. Initially the images of eye are captured, database is created with their clinical history, features are found out and finally the classification is done whether diabetes is present or not. This approach will be useful in the diagnosis fields, which are faster, user friendly and less time consuming.						
12.	Harshitha J., Yashas. L., Jahnavi M.S., Rachana Dakshin M./ Sowmya M.	1DA18TE012, 1DA18TE050, 1DA18TE031, 1DA18TE013	Automated Gree House Monitoring using Control Systems	Greenhouses are climate-controlled structures with walls and roof specially designed for offseason growing of plants. Most greenhouse systems use manual systems for monitoring the temperature and humidity which can cause discomfort to the worker as they are bound to	-	4809 - 4816	10	VII	2022	www.ijraset.com

				visit the greenhouse every day and manually control them. Also, a lot of problems can occur as it affects the production rate because the temperature and humidity must be constantly monitored to ensure the good yield of the plants. Internet of Things is one of the latest advances in Information and Communication Technologies, providing global connectivity and management of sensors, devices, users with information. So, the combination of IoT and embedded technology has helped in bringing solutions to many of the existing practical problems over the years. The sensors used here are moisture sensor, DHT11 (Temperature & Humidity sensor) and Ultra Sonic sensor. From the data received, Arduino Uno R3 automatically controls Moisture, Temperature, and Echo efficiently inside the greenhouse by actuating an irrigating pipe,						

				cooling fan, and buzzer respectively according to the required conditions of the crops to achieve maximum growth and yield. The recorded temperature, humidity, soil moisture level and echo are stored in a cloud database called ThingSpeak, and the results are displayed in its webpage, from where the user can view them directly. Keywords: Greenhouse, Monitoring, Control systems, Arduino UNO R3, Thing Speak.						
13.	Student :Supriya S, Guide : Dr. Aravinda H L	1DA18TE405	Green leaf disease detection and identification using Raspberry Pi	Image Processing	Volume : 09 Issue: 08 | Aug 2022	1-9	Volume: 09	9 Issue: 08	2022	https://www.irjet.net/archives/V9/i8/IRJET-V9I847.pdf
14.	Students : Harshitha , Yashas , Jahnavi , Rachana Dakshin Guide :		Automated Greenhouse Monitoring using Control Systems	IOT	Volume 10 Issue VII July 2022	2-10	Volume 10	Issue VII	2022	https://www.ijraset.com/research-paper/automated-greenhouse-monitoring-using-control-

	Sowmya M Dr.Aravinda H L									systems

H. O. D
Dept. of Electronics & Telecommunication Engg
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

Dr.Ambedkar Institute of Technology, Bengaluru-56
Department of Electronics and Telecommunication Engineering

Faculty Publications: International Journals:2019

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Dr. Yamuna Devi C R		Data Aggregation and its Impact on Performance Enhancement	International Journal of Innovative Technology Exploring Engineering (IJITEE)
2	Dr.B.Sivakumar		Analysis of Resonant Peaks and Pitch for English Vowels of Diversified South Indian English Speakers	Speech is the vital natural form of speaker communication speech is the one of the most important signal in which major informationâ€™s about speaker embedded in it. These signals have an abundant multi-variant spectral variation that convey gender, intonation, expression, words, emotional state and many other health condition of speaker. In speech analysis resonant frequency are usually extracted from the input speech signals. In this paper we perform Linear Predictive Coefficient (LPC) based algorithm for the estimation of fundamental frequency i.e., pitch and its successive frequency from speech signal which are considered as acoustic features of the speaker. Our point of concern is oriented among the five different vowels of Indian English i.e., /a/,/e/,/i/,/o/ and /u/ by plotting onto the spectrogram. From the Spectrogram different resonant components which are extracted from the major speakers from the southern part of the India. Vowel utterance made by speaker under consideration for 20 times, variations in obtained results for normal conditions of speaker. The author propose to investigate the variability as an parameter for speech recognition process the complete process. The complete process has been executed using Matlab.
3	Dr.Sudha Thimmaiah		An Efficient Technique for Minimizing Localization Errors in Wireless Sensor Networks	Analysis shows the accuracy rate of finding the location of the sensors and minimization of localization error using ToA
4	Vidya Honguntikar		Bio-inspired Energy Aware Scheduling and Routing in Wireless Sensor Networks to Enhance the Network Lifetime	Energy data between MAC and Network layer with a cross-layer interaction. Swarm intelligence is a popular field where the collective behavior of insects and animals is used to address the design issues
5	DR. PRASHANTH C R		Performance Analysis of Heterogeneous Wireless Sensor Network using MIMO Concept	WSN
6	DR. PRASHANTH C R		Performance Analysis of MSB based Iris Recognition using Hybrid Features Extraction Technique	Biometrics
7	DR. PRASHANTH C R		Challenges and Future Trends Technical Challenges, Performance Metrics and Advancements in Face Recognition	Biometrics
8	DR. PRASHANTH C R		Technical Challenges, Performance Metrics and Advancements in Face Recognition System	Biometrics
9	DR. PRASHANTH C R		An Extensive Study of Issues, Challenges and Achievements in Iris Recognition	Biometrics
10	Dr.Shruthi P C		Optimization of the Placement of Wavelength Converters in WDM Networks	The Routing and Wavelength Conversion are the two key techniques for improvement of the overall blocking performance in the wavelength routed all-optical networks. The Wavelength Converters are expensive, and thus the effective use of Wavelength Converters or more precisely the placement of minimum number of Wavelength Converter in appropriate nodes in the network is a challenge in the field of wavelength division multiplexing (WDM) optical networks. The performance of wavelength division multiplexing (WDM) network is highly dependent on Wavelength Converter allocation and routing problems. Typically treated as independent problems under dynamic traffic.
11	Praveen K B		Analysis of Resonant Peaks and Pitch for English Vowels of Diversified South Indian English Speakers	Speech is the vital natural form of speaker communication speech is the one of the most important signal in which major informationâ€™s about speaker embedded in it. These signals have an abundant multi-variant spectral variation that convey gender, intonation, expression, words, emotional state and many other health condition of speaker. In speech analysis resonant frequency are usually extracted from the input speech signals. In this paper we perform Linear Predictive Coefficient (LPC) based algorithm for the estimation of fundamental frequency i.e., pitch and its successive frequency from speech signal which are considered as acoustic features of the speaker. Our point of concern is oriented among the five different vowels of Indian English i.e., /a/,/e/,/i/,/o/ and /u/ by plotting onto the spectrogram. From the Spectrogram different resonant components which are extracted from the major speakers from the southern part of the India. Vowel utterance made by speaker under consideration for 20 times, variations in obtained results for normal conditions of speaker. The author propose to investigate the variability as an parameter for speech recognition process the complete process. The complete process has been executed using Matlab.
12	Dr. Chandrakala V		A Novel Method for Automatic Detection of Early Stage Oral Cavity Cancer	Image processing
13	Kavitha Narayan BM		Agribot	This paper deals with manufacturing development of robot in agricultural applications. The main area of application of robots in agriculture is at the harvesting stage, digging, ploughing and seeding. This robot is designed to replace human labor. This jobs involved in agriculture are not straight forward and many repetitive tasks are not required to do, so the agricultural industry is behind other industries in using robots. This project represents a robot capable of performing operations like automatic ploughing, seed dispensing and pesticide spraying. It also provides manual control when required. The main component here is the microcontroller that supervises the entire process. Initially the robot digs the entire field simultaneously dispensing seeds by side by side. On the field the robot operates on automated mode. For manual control the robot uses the remote controller as control device and helps in the navigation of the robot on the field.
14	Dr. Mahesan KV		Secure communication using chaotic encryption and decryption for protecting sensitive PDC.	Secure data transmission

2020

Faculty Publications: International Journals:2020

2020

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Dr.Yamuna Devi C R		Time-Series Forecasting and Hyperparameter Tuning with LSTM Approach for Root Zone Temperature of Nutrient Solution in Indoor DWC Hydroponics	JARDCS
2	Dr.B.Sivakumar		Indian Vowels based Evaluation of First Fundamental Frequency	The study presents analysis of Indian English vowels based on fundamental frequency along with the ba
3	Dr.B.Sivakumar		Design of Enhanced RTP-RTCP Protocols for Heterogeneous Wir	The usage of the network for cellular and Ad-HoC has becoming density due to limitations of capacity. co
4	DR. PRASHANTH C R		Development of Algorithm for Offline Signature Verification Usir	Biometrics

H. O. D
Dept. of Electronics & Telecommunication Engg
Dr. Ambedkar Institute of Technology
Bengaluru-560 056

	Bandrakala V		Intelligent Sizing: A Synthesized Frame Work to Integrate Artificial Intelligence into 5G Networks	Wireless Sensor Networks
6	Dr.Shruthi P C		Implementation of Adaptive Algorithm to Optimize the placement of Wavelength Converters	he Wavelength Converters in WDM Optical Network, is one the essential component in today's advanced research, but at the same time they are very extensive and it should be used in limited number to make effective use of Wave ength Converters. The two main criteria to be achieved is to reduce the overall blocking probability at an affordable cost and the other performance measures are within reasonable limits. To equip the node with the Wavelength converter for any network is crucial. There should be a minimal blocking probability at those particular nodes chosen to place the Wavelength Converter. A large margin decrease in the blocking probability will be easy for the placement of Wavelength Converter. Compared with the previous method of allocation, the results of the proposed adaptive algorithm can significantly reduce the blocking probability at higher range. The implementation of Adaptive algorithm shows that it is more cost effective to optimize the blocking performance. The blocking performance improvement hence led to the comparison of performance and efficiency other conventional methods with the proposed Adaptive algorithm
7	Dr.Shruthi P C		Evaluating the Blocking Probability and Optimizing the Placement of Wavelength Converters in WDM Optical Network	to the recent technology Wavelength Converters are the key components of Advanced Wavelength Division Multiplexing Network. In network design, the cost is very important considerable factor at the same time their optimization performance is considered. In Optical transmission techniques, the importance of Wavelength Converter, their intelligence and optimal placement have been found out in the research. In this paper, the simple analytical network model is designed, the blocking probability of the network is evaluated and placing the Wavelength Converter optimally at different nodes of the network with parameters like path, load of the link, traffic matrix of the network, Wavelength.
8	Usha Rani M A		Performance analysis and comparison of modulation technique for 5 G technology	Comparison of modulation techniques
9	Praveen K B		Indian Vowels based Evaluation of First Fundamental Frequency and its Variant Bandwidths	bandwidths of the four fundamental frequencies for an untrained database for the speakers age ranging between 16 to 23 years. An autoregressive modelling is incorporated in addition to Linear Prediction Coding (LPC) for the analysis and estimation of fundamental frequency, bandwidth are calculated for various vowel recording speech samples. These parameters are considered as the tool for the phonetic distinction, speaker unique among the range of individual speakers under consideration. The research concern is to employ and trace the speakers with the ingrained speech parameters in it. The researchers propose is to use this autoregressive model for utterances made by speakers from south India taken on different vowels and SWIPE algorithm for the fundamental frequency estimation. The speech samples are recorded for the neutral condition of the speaker. The frequency components obtained are comparatively plots against the various individual bandwidths along the fundamental frequency of the every speaker which are uttered over an span of time for thirty individual times by the speaker, the mean values are taken into account for the comparative analysis for the investigation of the vowel uniqueness and its variability as a parameter for speech recognition criteria, the entire demonstration is
10	Sowmya M		Application of Blockchain Technology of Crowdfunding using Smart Contract	Crowdfunding is an online money-raising strategy that began as a way for the public to donate small amounts of money to help innovative people finance their projects. This project is to propose smart contract for crowdfunding using blockchain technology. Through this, we can provide a safe, secure and transparent way for crowdfunding. The work of this project is to provide interactive forms for campaign creation, contribution of money, viewing of campaigns, request approval and handling requests through which both campaign creators and contributors can easily create and fund the campaigns. The contributor can be able to track the money that they sent. The Blockchain will record all the transaction and store as a block. An appealing feature of blockchain technology is smart contracts. Blockchain has to facilitate, execute and enforce an agreement between unknown users without the involvement of a trusted third party. To do so an executable code that runs on top of the blockchain has to be implemented. The executable code is the smart contract.

2022

Faculty Publications: International Journals: 2021

2020

SLNo	Name of the Faculty/Name of the Guide	ISSN	Title of the Paper	Research description
1	Dr.B.S.Vanitha		Analysis of vowel addition or deletion in Continuous Speech	In the process of training, for continuous speech, the essential characteristics of various speakers are pronunciation variation, over focused or inadequately highlighted words can results the waveform misalignment in the sub word unit margin. Because of the deviation in the articulation leads into misalignment which this is compared with articulation dictionary. So the deletion or insertion of the sub word is necessary. This happens because for each expression, the transcription is not precise. This paper presents the corrections in the transcription at the sub word level utilizing sound prompts that are presented in the waveform. The transcription of a word is fixed utilizing sentence-level transcriptions with reference to the phonemes that create the word. Specifically, it clarifies that vowels are either deleted or inserted. To help the proposed contention, errors in persistent discourse are validated utilizing machine learning and signal processing tools. A programmed information driven annotator abusing the inductions drawn from the examination is utilized to address transcription errors. The outcomes show that rectified pronunciations lead to higher probability for train expressions in the IIIMP corpus.
2	Sivakumar		Design and Implementation of IoT based Golf Cart Autonomous Vehicles	Rapid improvements in technology are making autonomous vehicles feasible. Researchers and industry are looking for different methods to implement the concept of smart cities. Autonomous vehicles provide a unifying framework for several research topics (e.g., navigation, localization and Global Positioning System (GPS) positioning, security, and privacy). Despite significant progress, I believe that fully autonomous vehicles will be deployed initially in constrained environments (e.g., closed loop areas, gated retirement communities). In this paper, I describe the development of a prototype autonomous golf-cart that can be used as a test-bed for a range of research projects. I explain the details of the conversion from a traditional golf-cart to an autonomously driven one. My target application is a system of autonomously driven golf-carts for use within a retirement community. I show my testing results, and how Internet of Things (IoT) devices can be used to extend the Wi-Fi coverage for log reporting and to request the golf-cart. Finally, I discuss the challenges and highlight improvements that can be performed that can be performed on the system.
3	Vidya Hongal Nikal		Energy Efficient Scheduling in Wireless Sensor Networks Based on Residual Energy Levels of Sensor Nodes	This paper proposes an extension of DH-MAC technique by allocating varying time slots to the nodes based on their residual energy level. Energy of all the nodes is exchanged at regular intervals and accordingly the nodes with lesser energy are allocated lesser time slots for transmission and are made to sleep more. Simulation results for Average residual energy
4	Vidya Hongal Nikal		WEARABLE WIRELESS SENSOR NODES FOR ILL-NESS MONITORING OF VITAL BODY PARAMETERS AND HEART ACTIVITY	A novel approach for the ECG telemonitoring using Wireless Sensor Node is proposed, where the ECG signal is measured with noise suppression. The acquired signal is used in QRS peaks detection to determine the heart rate
5	Dr. Chandrakala J		Smart Village System for Rural Development	IoT
6	DR. PRASHANTH C R		Designing an Energy Efficient Clustering in Heterogeneous Wireless Sensor Network	WSN
7	Dr Shruthi P C		Reduction of Blocking Probability Optimization Algorithm for Allocation of Wavelength Converter	In all-optical network, the Wavelength conversion is one of the key that has been shown to improve blocking performance in a wavelength-routed. In this paper the different techniques Partial Wave ength Conversion, Sparse Wavelength Conversion are analyzed. A performance indication of an All Optical Network is the call blocking probability. The blocking probability is required at an affordable cost and at the same time to make sure that other performance measures are within reasonable limits is also achieved. The blocking probability is calculated varying number of channels and load in Erlangs on each link in network. It has been observed that the selection of nodes to be equipped with wavelength converters is crucial. The blocking probability should be minimal at those particular nodes chosen to place the Wavelength Converter. The placement of Wavelength Converter will be easy for the decrease in the blocking probability by a large margin. In this paper, Sparse-Partial Wavelength Conversion (SPWC) network architecture is proposed to support wavelength conversion. The performance of an different Optical backbone Network for different parameters such as number of links, number of channels, number of Wavelengths associated between source to destination are analyzed.

8	Praveen K H		Analysis of vowel addition or deletion in Continuous Speech	in the process of training. For continuous speech, the essential characteristics of various speakers are pronunciation variation, over focused or inadequately highlighted words can results the waveform misalignment in the sub word unit margin. Because of the deviation in the articulation leads into misalignment of the sub word unit margin. Because of the deviation or insertion of the sub word is necessary. This happens because for each expression, the transcription is not precise. This paper presents the corrections in the transcription at the sub word level utilizing sound prompts that are presented in the waveform. The transcription of a word is made utilizing sentence-level transcriptions with reference to the phonemes that create the word. Specifically, it clarifies that vowels are either deleted or inserted. To help the proposed contention, errors in persistent discourse are validated utilizing machine learning and signal processing tools. A programmed information driven annotator abusing the inductions drawn from the examination is utilized to address transcription errors. The outcomes show that rectified pronunciations lead to higher probability for train expressions in the TIMIT corpus
9	Kavitha Narayan BM		Low Power Multiplier Design Using Dynamic Voltage and Frequency Scaling In the Online	In recent years, the primary concern of VLSI engineers has been power reduction technologies. In this paper, DVFS offers enormous potential for design trade-offs that include power, energy, temperature and performance of computing systems. In our work, we propose DVFS technology with the goal of reducing overall power consumption. In this work, a dynamic voltage and frequency scaling technique (DVFS) is used to reduce power with the Xilinx ISE 14.5 in conjunction with the Xpower analyzer tool. In the traditional method, we are multiply two numbers, a clever multiplication of bits takes place and then the partial product is added. Both processes took place with the same frequency and in this proposed DVFS technology, multiplication and addition are performed at different frequencies. Practical analysis was performed using a 64-bit multiplier While simulation with DVFS takes place in the proposed manner. When this result was analyzed, it was found that the power is significantly reduced. All design is done in Verilog HDL and is powered by the Xilinx ISE 14.5 tool along with the XPower Analyzer Tool.
10	Kavitha Narayan BM		Performance Analysis of Task Scheduling Algorithms for Energy Efficiency in Mobile Cloud Computing Environment	clients and consumers for gaming, business, marketing, education etc. However, the use of these applications can lead to faster battery drain in the mobiles due to background running of some applications even after it is closed. Scheduling of the same tasks over the cloud can helps to mitigate the concerns of fast battery drain of mobile (and is referred as mobile cloud computing (MCC)). However, processing of all tasks over the cloud faces leads to higher execution time due to unnecessary computations. Thus, this manuscript introduces a dynamic approach of hamming distance termination (HDT) (D-HDT) and Genetic Algorithm (GA) approach to achieve less computational time and energy minimization by avoiding unnecessary computation during task scheduling over the cloud. The significance of the proposed approach is that it follows the random allocation and HDT to schedule the tasks more quickly. And, D- HDT approach able to manage the larger task scheduling over the cloud without degrading the computational efficiency. A comparative analysis is conducted between D-HDT and GA approach by considering the energy minimization in the MCC under computational time constraints. The outcome analysis suggests that the proposed system results in better computational
11	Sowmya M		Application of Blockchain Technology of Crowdfunding using Smart Contract	Plant leaf diseases can cause significant reduction in yield. The proposed system is the solution for automatic identification and classification of plant leaf diseases using Artificial neural networks. The dataset contains both infected and non infected leaf images. The basement of this paper is neural network it will detect the defected region, big particles, clusters and small holes in the leaf. Another important technology used is IoT. The recognition information is transferred with the help of Arduino cable. Based on the plant disease recognition the fertilizer sprays to the field with help of Water motor. The measured parameters are uploaded to Web server through IOT and displayed through LCD Display. By using temperature and Moisture sensors, we can stop the overflow of water and by high temperature sometimes plants will die so identifying temperature and moisture is the newly added idea. It also included an Android application which is user friendly and can be accessed by the farmer that reduces the time consumption and manual working.

2021

Faculty Publications: International Journals:2022

2019

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Dr.B.S Yaamini		IoT implementation of underwater communication using Li-Fi	Li-Fi is similar to wireless communication which uses the communication medium as light. Nowadays RF interference are getting common due to maximum ability to overcome this problem Li-Fi is introduced in the year 2011. Li-Fi uses LED source to transmit data wirelessly this method is widely called as VLC (visible light communication). IoT technology using light fidelity module plays a vital role in environmental monitoring, underwater disaster management and underwater military applications. Li-Fi communication provides data rate of more than hundreds of Mbps for short ranges and it is an alternative approach to access communication in underwater. In Li-Fi, light emitting diode (LED) lamps acts as access points (Aps), and light is used as a medium to carry information bits. At the receiver, a photo diode is employed to collect photons and convert them into a electric current. By using Li-Fi technique, data is transmitted in the light. Photo detector absorbs the light and convert it into electrical signal. The photo detector is placed near the surface of the sea. The information is then passed to cloud storage then it is utilized for various application.
2	DR. PRASHANTH C R		A Bark propagation Neural Network Model for I-WSNs Using MIMO with a Secured Routing Mechanism	WWW
3	Vinya Hongunikar		Coverage and Throughput Analysis of 3GPP NR Propagation Models using MATLAB	This study aims to design and develop a functional propagation model where the coverage and throughput of an urban 5G scenario namely macro and micro cells are computed using MATLAB.
4	Sha Thimmaiah		Analysis of Node Density Parameter To Determine Range Estimates In WSNs Using RSSI Method	Simulation Analysis for the determination of Range Estimates using RSSI Method
5	Dr. Chandrakala V		The Millimeter-Wave FWI Communication For 5G Enhanced Mobile Broadband	wireless sensor networks
6	Dr. Chandrakala V		Performance Analysis in MANET Routing Protocol using Machine Learning Algorithm for Data Security	wireless sensor networks
7	Dr. Shruthi P C		The Millimeter-wave FWI Communication for 5G Enhanced Mobile Broadband	The potential of the photonics-aided millimeter-wave (mm-wave) communication with Fiber-Wireless integration (FWI) is systematically explored in terms of the wireless transmission capacity and distance it can accommodate. This paper mainly focusing on the improvement of the system structure, include broadband mm-wave signal generation with simple and cost-effective schemes, Multiple Input Multiple Output (MIMO) architecture with polarization- multiplexing optical mm-wave signal, advanced multi-level modulation, optical frequency multiplexing. Enabled by various kinds of advanced multiplexing and Digital Signal Processing (DSP) techniques, the significant enhancement of the wireless mm-wave signal transmission capacity from 100Gb/s to 1Tb/s is successfully performed. The 1Tb/s wireless signal transmission at D-band and over 2.5-km wireless transmission is obtained. This work shows the photonics-assisted broadband mm-wave communication can meet the high data rate demand of eMBB.
8	Dr. Anamika H K		Green leaf disease detection and identification using Raspberry Pi	Image processing
9	Praveen K B		Performance Analysis in MANET Routing Protocol using Machine Learning Algorithm for Data Security	Mobile ad hoc networks (MANETs) only have individual scenarios and lack an edge. This article demonstrates rigorous conventions-directing testing for MANET. The testbed running on the Linux platform is shown on mobile PCs. For runtime, advancement speed, and the number of hops that affect platform is shown on mobile PCs. For runtime, advancement speed, and the number of hops that affect steering judgment, various limitations are evaluated. Once again, two performances are chosen to be coordinated for the tested evaluation. The main display is referred to as MANET and is a computation for coordinating partition vectors. The ensconced interface state directing convention (DSR), which is regarded as a visionary controlling show, is the alternative. A multi-source download of archives with distinct sizes was the application scenario. The goal is to analyzer what different bugs signify for holdback and exchange speed. The procedure show that OLSR performs better in terms of the outcome. Babel, however, has lesser deferral and is hasty with conjunction.
10	Usha Rani M.A		Distributed cache updating for dsr protocol in wireless communications using ns2	Updating of cache using ns2
11	Usha Rani M.A		Design and development of OFdm,OAM on digital signal processor	Ofdm and Gsm development on DSP

12	Kavitha Narayan BM		DESIGN AND SIMULATION OF ENERGY-EFFICIENT PIPELINED RISC PROCESSOR USING VERILOG	mobile, computers, vehicles, and industrial process controls. Design of Processors there are two popular processor architectures. CISC (Complex Instruction Set Computer) and RISC(Reduced Instruction Set Computer). The enhanced pipeline system of the RISC processor allows it to handle a high number of basic instructions as well as complicated operations. An 8-bit or 16-bit interlocked pipeline power (MIPS) microprocessor based on the reduced instruction set computing (RISC) architecture is shown in this project. Microprocessor RISC's purpose is to speed up the processor by executing just a few instructions rapidly. IF, ID, EX, MEM, and WB (Write Back) are all incorporated in this processor's architecture, as are the modules for fetching instructions, accessing instructions, and accessing registers. The ALU, control unit, MUX, instruction memory, data memory, CPU, register file, and sign extension all play a major role in the design of a computer program. Digital signal processing, communications, computer graphics and cryptography all use inverse or information-free circuits. When it comes to energy efficiency calculations, an inverse is required. By eliminating data loss, reversible logic reduces the power consumption that occurs in conventional circuits. This study proposes a reversible ALU design. The
13	Kavitha Narayan BM		Survey on Detection of Diabetes Based on Iris Image Analysis	Iris image analysis is one of the most efficient non-invasive diagnosis method which helps to determine the health status of organs. Irido-diagnosis is the branch of medical science, with the help of which different diseases can be detected. Our survey is concentrated on different techniques employed to detect diseases, especially diabetes. This paper aims to help the researchers entering into the field of radiology by providing the complete understanding of the different methods employed for extraction and classification. (Abstract)
14	Kavitha Narayan BM		Detection of Diabetes Based on Iris Image Analysis	The iris is like a map of the body. Changes in certain organs is reflected in specific parts of the iris. So in health diagnosis, iris image play very important role. For clinical diagnosis, iris image analysis is one of the most efficient non-invasive diagnosis method which helps to determine the health status of organs. Irido-diagnosis is the branch of medical science, with the help of which different diseases can be detected. Initially the images of eye are captured, database is created with their clinical history, features are found out and finally the classification is done whether diabetes is present or not. This approach will be useful in the diagnosis fields, which are faster, user friendly and less time consuming.
15	Soumya M		Automated Green House Monitoring using Control Systems	growing of plants. Most greenhouse systems use manual systems for monitoring the temperature and humidity which can cause discomfort to the worker as they are bound to visit the greenhouse every day and manually control them. Also, a lot of problems can occur as it affects the production rate because the temperature and humidity must be constantly monitored to ensure the good yield of the plants. Internet of Things is one of the latest advances in information and Communication Technology as, providing global connectivity and management of sensors, devices, users with information. So, the combination of IoT and embedded technology has helped in bringing solutions to many of the existing practical problems over the years. The sensors used here are moisture sensor, DHT11 (Temperature & Humidity sensor) and Ultra Sonic sensor. From the data received, Arduino Uno R3 automatically controls Moisture, Temperature, and Echo efficiently inside the greenhouse by actuating an irrigating pipe, cooling fan, and buzzer respectively according to the required conditions of the crops to achieve maximum growth and yield. The recorded temperature, humidity, soil moisture level and echo are stored in a cloud database called ThingSpeak, and the results are displayed in its webpage, from where

National Journals

Faculty Publications: 2019-22

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description

nal Conference

Publications: 2019

	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Vidya hunagunkar		Bio-inspired Energy Aware Scheduling and Routing in Wireless Se	This paper proposes a bio-inspired energy efficient Scheduling & Routing algorithm by sharing the Energy
2	Dr Sarothi P C		Maximizing the Placement of Wavelength Converters in WDM Di	Optical Networks are considered as the future of broadband communications. One of the popular solutio
3	Dr. Yamuna Devi C R Dr. Yamuna Devi C R		Real Time Web Enabled Smart Energy Monitoring System	Remote Engineering and Virtual Instrumentation

Smart Attendance System Using Deep Learning, Convolution Remote Engineering and Virtual Instrumentation

Information Processing

International Conference

Faculty Publications: 2021

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Dr. Yamuna Devi C R		Prediction and Comparative Analysis Using Ensemble Classifier Model on Leafy Vegetable Growth Rates in DWC and NFT Smart Hydroponic System	International Conference on IOT with Smart Systems
2	Kavitha Narayan BM		Low Power Multiplier Design Using Dynamic Voltage and Frequency Scaling In the Online	In recent years, the primary concern of VLSI engineers has been power reduction techniques. In this paper, DVFS offers enormous potential for design trade-offs that include power, energy, temperature

national Conference

Faculty Publications: 2020 AND 2022

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description

12	Kavitha Narayan BM		DESIGN AND SIMULATION OF ENERGY-EFFICIENT PIPELINED RISC PROCESSOR USING VERILOG	mobile, computers, vehicles, and industrial process controls. Design of Processors there are two basic processor architectures: CISC (Complex Instruction Set Computer) and RISC (Reduced Instruction Set Computer). The enhanced pipeline system of the RISC processor allows it to handle a high number of basic instructions as well as complicated operations. An 8-bit or 16-bit interlocked pipeline phase (MIPS) Microprocessor based on the reduced instruction set computing (RISC) architecture is shown in this project. Microprocessor RISC's purpose is to speed up the processor by executing just a few instructions rapidly. IF, ID, EX, MEM, and WB (Write Back) are all incorporated in this processor's architecture, as are the modules for fetching instructions, decoding instructions, and accessing registers. The ALU, control unit, MUX, instruction memory, data memory, CPU, register file, and sign extension all play a role in the design of a computer program. Digital signal processing, communications, computer graphics and cryptography all use inverse or information-free circuits. When it comes to energy efficiency calculations, an inverse is required. By eliminating data loss, reversible logic reduces the power consumption that occurs in conventional circuits. The study provides a reversible ALU design. The
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15	Sowmya M		Automated Green House Monitoring using Control Systems	growing of plants. Most greenhouse systems use manual systems for monitoring the temperature and humidity which can cause discomfort to the worker as they are having to visit the greenhouse every day and manually control them. Also, a lot of problems can occur as it affects the production rate because the temperature and humidity must be constantly monitored to ensure the good yield of the plants. Internet of Things is one of the latest advances in Information and Communication Technologies, providing global connectivity and management of sensors, devices, users with information. So, the combination of IoT and embedded technology has helped in bringing solutions to many of the existing practical problems over the years. The sensors used here are moisture sensor, DHT11 (Temperature & Humidity sensor) and Ultra Sonic sensor. From the data received, Arduino Uno R3 automatically controls Moisture, Temperature, and Echo efficiently inside the greenhouse by activating an irrigating pipe, cooling fan, and buzzer respectively according to the required conditions of the crops to achieve maximum growth and yield. The recorded temperature, humidity, soil moisture level and echo are stored in a cloud database called ThingSpeak, and the results are displayed in its webpage, from where

National Journals

Faculty Publications: 2019-22

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description

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Publications: 2019

	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Vidya Hanguntikar		Bio-inspired Energy Aware Scheduling and Routing in Wireless Se	This paper proposes a bio-inspired Energy efficient Scheduling & Routing algorithm by sharing the Energy
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3	Dr. Yamuna Devi C R Dr. Yamuna Devi C R		Real Time Web Enabled Smart Energy Monitoring System I	Remote Engineering and Virtual Instrumentation
4			Smart Attendance System Using Deep Learning Convolutio	Remote Engineering and Virtual Instrumentation

Information Processing

International Conference

Faculty Publications: 2021

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Dr. Yamuna Devi C R		Prediction and Comparative Analysis Using Ensemble Classifier Model on Leafy Vegetable Growth Rates in DWC and NFT Smart Hydroponic System	International Conference on IOT with Smart Systems
2	Kavitha Narayan BM		Low Power Multiplier Design Using Dynamic Voltage and Frequency Scaling In the Online	In recent years, the primary concern of VLSI engineers has been power reduction technologies. In this paper, DVFS offers enormous potential for design trade-offs that include power, energy, temperature

International Conference

Faculty Publications: 2020 AND 2022

SLNo	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description

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...Publications: 2019

	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description
1	Vidya Hanguntikar		Bio-inspired Energy Aware Scheduling and Routing in Wireless Se	This paper proposes a bio-inspired Energy efficient Scheduling & Routing algorithm by sharing the Energy
2	Dr.Sarojini P C		Maximizing the Placement of Wavelength Converters in WDM Op	Optical Networks are considered as the future of broadband communications. One of the popular solutio
3	Dr. Yamuna Devi C R Dr. Yamuna Devi C R		Real Time Web Enabled Smart Energy Monitoring System U	Remote Engineering and Virtual Instrumentation
4			Smart Attendance System Using Deep Learning Convolutio	Remote Engineering and Virtual Instrumentation
				Information Processing

International Conference

Faculty Publications: 2021

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...national Conference

Faculty Publications: 2020 AND 2022

Sl.No	Name of the Faculty/Name of the Guide	USN	Title of the Paper	Research description

...uct	PP	Vol.NO	Issue No	Year	Link
	318-319	Volume-9	Issue-2S	2019	http://www.ijitee.org/wp-content/uploads/papers/v9i2S/B10831292S19.pdf
https://wv	811-817	11	2	2019	https://www.jardcs.org/abstract.php?id=364
10.35940/	1812 -181	9	1	2019	https://www.ijitee.org
10.1007/9	448-457	0	26	2019	https://doi.org/10.1007/978-3-030-03146-6_50
10.35940/	3461-347	8, 12	12	2019	https://www.ijitee.org/wp-content/uploads/papers/v8i12/L26061081219.pdf
10.35940/	230-239	8, 6	6	2019	https://www.ijeat.org/wp-content/uploads/papers/v8i6/F7292068519.pdf
10.35444/	3938-3958	10, 4	4	2019	http://www.ijana.in/v10-4.php#
10.26438/	836-847	7, 3	3	2019	https://www.ijcseonline.org/full_paper_view.php?paper_id=3925
10.51983/	25-35	8, 1	1	2019	https://trp.org.in/wp-content/uploads/2019/03/AJES-Vol.8-No.1-January-March-2019-pp.25-35.pdf
10.9790/9	19-22	9	8	2019	https://www.ijera.com/papers/vol9no8/Series-1/C0908011922.pdf
https://wv	811-817	11	2	2019	https://www.jardcs.org/abstract.php?id=364
10.9790/9	16-Sep	9	7	2019	www.ijera.com
Nil	JETIR1905	6	5	2019	https://www.jetir.org/papers/JETIR1905909
10.24247/	12-Jan	9	2	2019	http://issuu.com/tjprc/docs/1ijeeerdec20191

Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link
10.5373/JARDCS/V12SP6/SP20201114. (Scopus Indexed).	952-960	12	6	2020	
www.testmagzine.biz/index.php/testmagzine/article/download/1209/1087	2166 - 2171	82	2	2020	www.testmagzine.biz/index.php/testmagzine/article/download/1209/1087
https://doi.org/10.30534/ijatcse/2020/180922020	2065-2077	9	2	2020	Available Online at http://www.warse.org/IJATCSE/static/pdf/file/ijatcse180922020.pdf
–	1421-1431	15	9	2020	

	7-61	2	8	2020	http://dx.doi.org/10.47392/irjash.2020.94
10.35940/ijtee.D1581.029420	2139-2142	9	4	2020	https://www.ijitee.org/wp-content/uploads/papers/v9i4/D1581029420.pdf
-	554-562	12	6	2020	http://sersc.org/journals/index.php/IJCA/article/view/3894
Nil	1118 to 1125	8	12	2020	Nil
www.testmagzine.biz/index.php/testmagzine/article/download/1209/1087	2166 - 2171	82	2	2020	www.testmagzine.biz/index.php/testmagzine/article/download/1209/1087
Nil	1352 - 1360	2	9	2020	www.irjmets.com

Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link
https://doi.org/10.30574/gjeta.2021.7.3.0084	13656"143	7	3	2021	https://gjeta.com/sites/default/files/GJETA-2021-0084.pdf
irjet.net	781-	8	9	2021	https://www.irjet.net/archives/V8/i9/IRJET-V8I9333.pdf
Nil	2320-2882	9	1	2021	https://ijcrt.org/download.php?file=IJCRT2101415.pdf
Nil	100-105	8	10	2021	www.irjet.net
—	a643-	9	5	2021	www.ijcrt.com
10.5121/ijcnc.2021.13105	75-92	13, 1	1	2021	https://aircconline.com/ijcnc/V13N1/13121cnc05.pdf
-	259-272	7	5	2021	https://ijiert.org/home/article_abstract/1078

ps://d .org/10. 30574/gj eta.2021. 7.3.0084	136â€"14 3	7	3	2021	https://doi.org/10.30574/gjeta.2021.7.3.0084
nil	183	44	2	2021	ISSN: 2249-6661
Nil	9347	ISSN: 0011-9342	8	2021	ISSN: 0011-9342
-	1025 - 1031	8	9	2021	www.irjet.net

Date of Introduction (DOI)	PP	VoLNO	Issue No	Year	Link
https://doi.org/ 10.30574 / gjeta.2022.12.1.0111	092â€"10 1	12	1	2022	https://doi.org /10.30574/gjeta. 2022.12.1.0111
https://www.tandfonline.com/action/showCitFormats?doi=10.1080/03772063.2022.2135617	14-Jan	8, 12	12	2022	https://www.tandfonline.com/doi/pdf/10.1080/03772063.2022.2135617?casa_token=eV7bZ5:O9y8AAAAA:6rHaGIP1CH11WGR[illegible]
Nil	122-126	11	4	2022	www.ijettcs.org
—	[illegible]	10	5	2022	https://ijcrt.org
20.1800 [illegible] net	[illegible] 1679	9	2	2022	www.gisscience.net
#VALUE!	06-Jan	9	7	2022	www.irjet.net
-	1674-1679	9	2	2022	http://www.gisscience.net/VOLUME-9-ISSUE-2-2022-pp1674-1679/
Volume: 09 Issue: 08 | Aug 2022	09-Jan	Volume: 09	Issue: 08	2022	https://www.irjet.net/archives/V9/i8/IRJET-V9I847.pdf
www.irjet.net	2135-2140	9	7	2022	www.irjet.net
Nil	3577 to 3586	4	7	2022	Nil
Nil	734 to 746	9	4	2022	Nil

Nil	782	28	6	2022	http://www.ijsdr.org
Nil	URTI2207138	7	7	2022	https://ijrti.org/papers/IJRTI2207138.pdf
Nil	JETIR2207409	9	7	2022	https://www.jetir.org/view?paper=JETIR2207409
-	4890 - 4896	10	VII	2022	www.ijraset.com

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NIL					

ect ID	PP	Vol.NO	Issue No	Year	Link
g/10.1007/9	448-457	0	26	2019	https://doi.org/10.1007/978-3-030-03146-6_50
10.1007/9	890-901	AISC994	-	2019	https://link.springer.com/chapter/10.1007/978-3-030-22263-5_85
	330-342	80		2019	https://doi.org/10.1007/978-3-030-23162-0_30
https://doi.org/10.1007/978-3-030-23162-0_30	343-356	80		2019	https://doi.org/10.1007/978-3-030-23162-0_30
DOI 10.1109/ICINPRO 47689.2019.9092043				2019	DOI 10.1109/ICINPRO 47689.2019.9092043

Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link
10.1109/ICInPro47689.2019.9092043	796-804	251	-	2021	10.1109/ICInPro47689.2019.9092043
nil	183	44	4	2021	ISSN: 2249-6661

Date of Introduction (DOI)	PP	Vol.NO	Issue No	Year	Link
			NIL		

H. O. D
Dept. of Electronics & Telecommunication Engg
Dr. Ambedkar Institute of Technology
Bengaluru-560 056