



ISSUE: 28

JAN –JUNE (2022)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

Editorial Board:

Chief patron: MJF Lion Leo Muthu

Patron & publisher: Dr.Sai Prakash Leo Muthu

Editorial Advisor: Dr. B.Shadakshrappa

Editor: Dr.T.N Prabhakar

Co Editor: Mrs.J. Hema Shubraja/Mrs.Mohanthi

Members: Dr.Jayakumar

Student: Mr.Sakthivel.,& Miss Jeevitha

Vision

- Producing competent engineers with innovative ideas to meet the global needs and standards.

Mission

- **M1.** To produce graduates with technical expertise, professional attitude & ethical values.
- **M2.** To reform the potency of Engineering through exploration-based learning.
- **M3.** To create a passion amongst students for contributing to research by providing industry-oriented training
- **M4.** To inculcate in the graduates, the thirst for self-learning & guide them to obtain knowledge in their chosen field

About the Department



Dr. T. N. Prabhakar

Department of Electronics and Communication Engineering was established in the institution during 1997. The department is AICTE approved and permanently affiliated to VTU and accredited by NAAC. The Department offers UG courses. Further, it is recognized as “Research Center” by VTU. The department is strengthened with qualified Doctorates, Professors, Assoc. Professors, Asst. Professors and technical staffs. Apart from the academic events department also oversees the overall development activities. The students are being provided with training / certification programs, industrial visits, periodic technical talks, workshops, conferences, empowering employability skills.

Department Activities

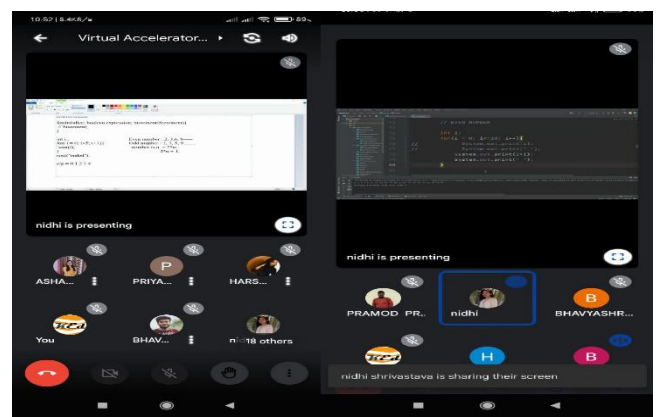
Funds

Rs 10 lakhs is being sanctioned for the research proposal Entitled as “Human Motivated Machine Vision for Smart Transport System” submitted by Dr.T .N Prabhakar and Prof C. Sivaprakash.

Workshop / Seminar / Conference/ Technical Talks

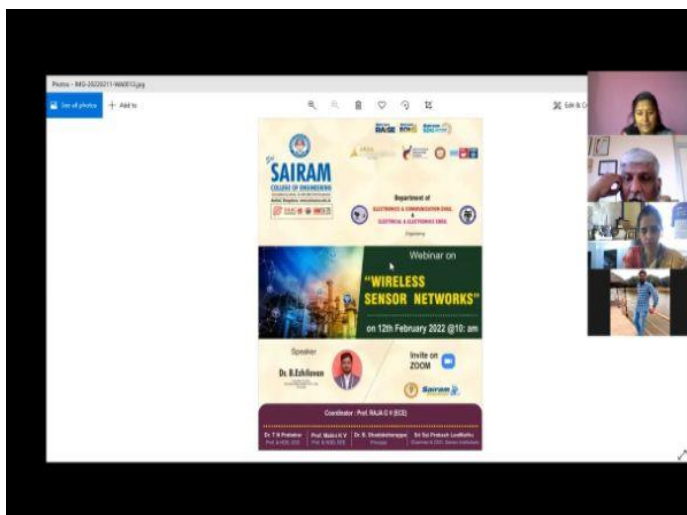
Two Days Workshop on “Virtual Accelerator on Java” for students of ECE on 6th & 7th January 2022

Guest Lecture on “motivational talk- by a successful innovator” from 27th January 2022 @ 11.00am to 12.00 noon through online google



Webinar on “Wireless Sensor Networks” on 12th Feb 2022 in Association with VEI Technology

meet platform. The resource person was Ms. Swathi Balan, Software Engineer, Capgemini



LIST OF PUBLICATIONS

Industrial Visit

A batch of 103 students from 1st semester ece and three staff coordinators Prof.Halesha, Dr. Srilatha B, Prof.Aruna R, was accompanied for the visit to visvesvaraya industrial & technical museum, Bangalore on 2nd march 2022. Various floors visited were engine ignition, electronics, electrical, space, power supply & transmission system.



PUBLICATIONS:

- Dr. T.N Prabakar has published book titled” **A quick guide on Artificial Intelligence**” from Scientific International Publishing House with ISBN no.9789356251670 in the year 2021-2022.
- .Dr. T.N Prabakar has published a book titled” **Understanding cryptography and security principles**” from Scientific International Publishing House with ISBN no.9789356251809 in the year 2021-2022.
- Dr. T.N Prabakar has published a book titled” **Data Warehousing and Data Mining**” from Scientific International Publishing House with ISBN no.9789355151995in the year 2021-2022.
- Dr. A Poonguzhali has published a book titled” **Advanced Optical Communication systems and networks**” from Academic Group Publishing house with ISBN no.9789356251687in the year 2021-2022.
- Dr. A Poonguzhali has published a book chapter titled” **Artificial Intelligence concepts, methodologies and applications** (Intelligent Information Systems: A Review on Technology and its future trends)” from Academic Group Publishing house with ISBN no.9789394339637in the year 2021-2022.

S. No	Faculty Name	Publication Title	Title of Conference/ Journal	Month & Year	Vol/ Issue	ISSN/ISBN
1	Dr.T. N. Prabakar	A Novel Method To Improve Computational And Classification Performance Of Rice Plant Disease Identification (SCI)	Journal Of Super Computing Springer	Jan,2022	V-78	ISSN-1573-0484
2	Dr.T.N. Prabakar	Prediction of diabetic diseases using data analysis	International journal of Health Sciences.	Mar,2022	V-6	10010-10021
3	Dr.C.Raja	Retinopathy grading with deep learning and wavelet hyper analytic activations	Springer Germany	April,2022	-	00371-022-02489
4	Dr.T.N. Prabakar	Implementation of Hybrid method for Vehicle Monitoring and Control designed Experimental System(SCOPUS)	AIP Conference Proceeding	May,2022	V-2393	5.0074232
5	Prof.G.V Raja	Implementation of Hybrid method for Vehicle Monitoring and Control designed Experimental System(SCOPUS)	AIP Conference Proceeding	May,2022	V-2393	5.0074232

FDP's attended

S.NO	FACULTY NAME	FDP TITLE	ORGANISED BY	DATE	DURATION
1	Dr.Prabakar. T. N	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
2	Dr. Raja C	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
3	Dr. Ramkumar S	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
4	Dr.B.Srilatha	FPGA based Digital system design with HDL	Vel Tech Multi tech Dr Rangarajan Dr Sakunthala Engineering college	22.02.2022	6
5	Dr. A Poonguzhali	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
6	Mr.Nagaraj Reddy B	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6

7	Mr.Vinay Kumar Tivari	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6
8	Mr.Venugopal P	FPGA based Digital system design with HDL	Vel Tech Multi tech Dr Rangarajan Dr Sakunthala Engineering college	22.02.2022	6
9	Mr. G. V Raja	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
10	Mr.Santosh kumar N	FPGA based Digital system design with HDL	Vel Tech Multi tech Dr Rangarajan Dr Sakunthala Engineering college	22.02.2022	6
11	Ms.Savitha HS	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
12	Ms.Linija K P	Digital VISI design	Sri Venkateshwara College of Engineering	31.01.2022	6
13	Ms.Lohith Kumar V	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6
14	Mr.Somnath Mazumder	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6
15	Ms.Geetha S	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6
16	Ms.Mohanathi Kakarla	Contemporary techniques in electronics and communication engineering	Sree Rama engineering college	20.06.2022	6
17	Ms.Suganthi M	Advanced Research Methodology: Tools and Techniques	Bon Secours College for Women.	19.02.2022	6
18	Mr.Halesha H R	FPGA based Digital system design with HDL	Vel Tech Multi tech Dr Rangarajan Dr Sakunthala Engineering college	22.02.2022	6

Patents

S. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YY YY)	Patent Published Date / Granted Date (DD/MM/YYYY)
1	202141062137	Published	1.Dr.M.Vamsi krishna 2.Savitha H.S 3.Raja G.V 4.Basuthkar Mahesh 5.Aruna R	Artificial Intelligence Controlled Vaccum Cleaning System with Information Storage	1.Dr.M.Vamsi krishna 2.Savitha H.S 3.Raja G.V 4.Basuthkar Mahesh 5.Aruna R 6.Dr.S.Premkumar 7.Santhosh kumar.N 8.Dr.S.K.Althaf Hussain Basha 9.D.Boobala Muralitharan	3-12-21	2-4-22
2	202241017476	Published	1.Dr.Ramya C 2.Mrs.Mohanthi K 3.Mr.Christopher Francis Britto 4. Mr.Ovi Omkar Paradkar 5.Dr.Stanny Thomas Cangan	Deep learning based automated prediction of Obstetrics chronic pulmonary disease	1.Dr.Ramya C 2.Mrs.Mohanthi K 3.Mr.Christopher Francis Britto 4. Mr.Ovi Omkar Paradkar 5.Dr.Stanny Thomas Cangan	26-3-22	1-4-22
3	202241026012	Published	1.Dr.V.Choudri 2.Dr.C.K.Sivashankari 3.Ms.Lalitha Ramachandra 4.Dr.Mohana Sundari 5.Dr.S.Ramya 6.Mr.Sathiyandrakumar Srinivasan 7.Dr.Sargunavathi 8.Dr.S.Ramkumar 9.Mr.S.Sureshkumar 10.Mr.S.Raja	Cyber Security, Artificial Intelligence and backlogging based Online fund transaction fraud detection usind datascience	1.Dr.V.Choudri 2.Dr.C.K.Sivashankari 3.Ms.Lalitha Ramachandra 4.Dr.Mohana Sundari 5.Dr.S.Ramya 6.Mr.Sathiyandrakumar Srinivasan 7.Dr.Sargunavathi S 8.Dr.S.Ramkumar 9.Mr.S.Sureshkumar 10.Mr.S.Raja	4-5-22	22-5-22
4	202241034932	Published	1.Mrs.K.Dhivya 2.Dr.S.Selvakumar 3.Dr.N.Mageswari 4.Mrs.S.Geetha 5.Dr.Chandan Kumar 6.Mrs.Deepali Maruti Manae 7. Mr.D.Y.Kiran Kumar 8.Mr.jyotiranjan rout 9.Ms.Sunanda Ratna 10.Mr.Gandu	IOT and Machine learning based wavelet Domain for Electromagnetic Emission based Malware Analysis by using Artificial Intelligence	1.Mrs.K.Dhivya 2.Dr.S.Selvakumar 3.Dr.N.Mageswari 4.Mrs.S.Geetha 5.Dr.Chandan Kumar 6.Mrs.Deepali Maruti Manae 7. Mr.D.Y.Kiran Kumar 8.Mr.jyotiranjan rout 9.Ms.Sunanda Ratna 10.Mr.Gandu	17-6-22	24-6-22

Student Activity

Date/ Month /Year	Professional Society	Title	Guest Lecture /Paper presentation
04/02/2022	IETE	Network Analysis	Guest Lecture (Prof.Girish Kumar N.G,BIT,B'lore)
11/04/2022	IEEE	AI based interactive R8-BOT Droid for elderly care	Paper presentation
25/05/2022	ISTE	Smart Agriculture using 5G	Guest Lecture (Dr.Siddalingappa Gouda Biradar ,DSATM,B'lore)
25/05/2022	IETE & IEI	Design of 5G Antennas	Guest Lecture (Prof,Shashi Ranjan DBIT,B'lore)
21/07/2022	ISTE	23 rd ISTE Karnataka state faculty Convention 2022	Paper presentation

Student Participated in Events

Date	Student Name	Event
23/06/2022 To 24/06/2022	Jeevitha M	Project Contest
18/07/2022	Bharat Kumar	Project Contest
18/07/2022	Vasanth	Project Contest
18/07/2022	Pooja	Project Contest
18/07/2022	Rohan Bandari D	Project Contest
18/07/2022	Manjunath K B	Project Contest
18/07/2022	Naveen K T	Project Contest
18/07/2022	Sumanth	Project Contest
18/07/2022	Naveen Kumar Reddy	Project Contest
18/07/2022	Akshay	Project Contest
21/03/2022	Madhushree	Internal Hackathon
21/03/2022	Naveen K T	Internal Hackathon
21/03/2022	Pradeep	Internal Hackathon
21/03/2022	Srinidhi	Internal Hackathon
21/03/2022	Prakruthi	Internal Hackathon
21/03/2022	Sowmya J	Internal Hackathon
21/03/2022	Dhanush R	Internal Hackathon
21/03/2022	Prajwal	Internal Hackathon
21/03/2022	Anuspa	Internal Hackathon
21/03/2022	Akshay N	Internal Hackathon
21/03/2022	Vasanth	Internal Hackathon
21/03/2022	Rohan Bhandari	Internal Hackathon
21/03/2022	Bharath Kumar R	Internal Hackathon
21/03/2022	Kavya E	Internal Hackathon
21/03/2022	Manjunath K B	Internal Hackathon
21/03/2022	Manoj	Internal Hackathon
21/03/2022	Vaman Reddy	Internal Hackathon
21/03/2022	Vamsi Vardhan	Internal Hackathon
21/03/2022	Mamatha	Internal Hackathon
21/03/2022	Haritha	Internal Hackathon
21/03/2022	Monika K	Internal Hackathon
21/03/2022	Divya G	Internal Hackathon

Student Participated in other college events

Student Name	Name of the College	Event	Date
Jagadeesh K	Nagarjuna college of Engg & Technology ,Bangalore	Innovation Hackthon	24 & 25 th June 2022
Preeyanka N	Sharadha Gangadharan College,Pudhucherry	Quiz	12 th to 13 th Jan 2022

MOU initiatives




Organisation with which MoU is signed	Year of signing MoU	Duration
M/S Ed GATE TECHNOLOGIES PVT Ltd.	Signed on 23/12/2015 Renewed on 10/01/2019	Active (No expiry)
GENED TECHNOLOGIES	Signed on 28/11/2019	Active (No expiry)
Tessolve Semiconductor PVT	Signed on 25/09/2021	Active
IBM	Signed on 07/02/2021	Active
Talent Spirit PVT	Signed on 30/02/2022	Active

Placement




The Following list of companies recruited the students of ECE during the academic year 2022

Name of the company	No.of students selected
Bright Champs	3
Byjus	4
Capgemini	3
Co Forge	6
EMTEC	1
Hashedin	1
Jus Pay	2
Netcracker	2
Pin Click	3
Prodapt	1
Tcitech	2




I Year Toppers List

Sl.No	Toppers	USN	Name of the students	I Sem	II Sem	Overall CGPA	Photo
1	I	1SB21EC052	Mega S	9.2	9.4	9.3	
2	II	1SB21EC040	Keerthana G	9.18	9.4	9.28	
3	III	1SB21EC067	Pavan Raj B.S	9.1	9.3	9.2	



II Year Toppers List

Sl.No	Toppers	USN	Name of the students	III Sem	IV Sem	Overall CGPA	Photo
1	I	1SB20EC009	Chelamcherla Niroopa	8.0	8.6	8.3	
2	II	1SB21EC401	Shivakumar G	8.1	8.0	8.05	
3	III	1SB20EC002	Akshay S	7.9	7.50	7.7	

III Year Toppers List

Sl. No	Toppers	USN	Name of the students	V Sem	VI Sem	Overall CGPA	Photo
1	I	1SB19EC036	Pramodh S	9.1	7.9	8.5	
3	III	1SB19EC040	Rakshitha Venkatesh	8.5	7.3	7.9	
2	II	1SB19EC022	Likhith K	8.4	7.3	7.85	

IV Year Toppers List

Sl.No	Toppers	USN	Name of the students	VII Sem	VIII Sem	Overall CGPA	Photo
1	I	1SB18EC044	Srividya B	8.0	9.1	8.55	
2	II	1SB18EC023	Kavya E	7.9	9.2	8.5	
3	III	1SB18EC050	Pooja N	7.7	9.0	8.35	