

PSRIENGINGERING COLLEGE



(Autonomous Institution, Affiliated to Anna University, Chennai)
(Accredited By NAAC, NBA & Recognized Under 12(B) Of The UGC Act, 1956)

Sivakasi - 626 140, Virudhunagar (Dt.), Tamil Nadu.

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CONTENTS

*	Achievements	UZ
*	Faculty Activities	03
*	Department Activities	09
*	Student Activities	14
*	Social Awareness Activity	28
*	Placement Details	29
*	Know Your Alumni	31
*	Student Article	32
*	Press Release	36

ACHIEVEMENTS

FACULTY ACHIEVEMENTS

- 1. Dr.R.Madavan received an AICTE MODROB-Rural grant Rs. 13,48,167.
- 2. Dr.S.Anbarasi, Dr.S.Edwin jose, Mrs.M.Yamuna and Dr.R.Madavan Registered a Copyright for "Power Electronics Laboratory Manual".
- 3. Mrs.R.Aruna has completed NPTEL online course on "Automatic Control" with score 100%.

STUDENTS ACHIEVEMENTS

- 1. Mr.G.Vijay Venaktesh of II-EEE designed a project titled "Automatic COVID-19 Quarantine Tracking Module with PIR Sensor".
- 2. Mr.T.Vijay of IV-EEE designed a "Watch to Track a COVID-19 Patient's Movement with Radio Frequency Detection Methodology".

FACULTY ACTIVITIES

JOURNALS

- **1. Dr.R.Madavan** and Mrs.S.Saroja, "Decision Making on State of Transformers based on Insulation Condition using AHP and TOPSIS methods", IET Science, Measurement & Technology, Vol.14, No.2, pp.137-145, 2020.
- 2. Dr.S.Anbarasi, Dr.S.Ramesh and Mr.S.Muralidharan "An Optimal Tuning Of Integral Controller For Hybrid LFC System Integrated With Wind Energy Resources", International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 1212-1221

CONFERENCES

- Dr.S.Edwin Jose and Dr.R.Rajagopal "An Efficient framework for locating stroke in brain MRT Image using radon transform and convolutional Neural Networks" National Conference at P.S.R.Engineering College, Sivakasi on 06 & 07.02.2020.
- 2. **Mr.S.Sivakumar** and **Dr.S.Anbarasi** "Improvement of electrical characteristics of High Voltage Disc Insulator using Nano particles" National Conference at P.S.R.Engineering College, Sivakasi on 06 & 07.02.2020.
- 3. **Dr.S.Anbarasi** and Mr.G.Muthukomu "Photo Dynamic Therapy for treating Cancer" National Conference at P.S.R.Engineering College, Sivakasi on 06 & 07.02.2020.
- 4. **Ms.K.Ajitha** "IOT based Smart Assistant for Special People" National Conference on Computer, Electronics and Electrical Engineering at PSR Rengasamy College of Engineering for Women on March 6, 2020.
- 5. **Mrs.M.Yamuna** "An Efficient Direct MPPT for PV System Under Extremely Fast Charging Irradiance" International Conference on Science, Technology, Engineering and Management held at KIT- Kalaignarkarunanidhi Institute of Technology, Coimbatore on March 13 & 14, 2020.
- Mr.M.Sivaraman "A Novel TPC Converter for Hybrid Renewable Energy System" International Conference on Science, Technology, Engineering and Management held at KIT- Kalaignarkarunanidhi Institute of Technology, Coimbatore on March 13 & 14, 2020.

COURSERA COURSES:

Sl. No.	Name of the Staff	Name of the Coursera Courses Completed		
1.	Dr.R.Madavan	 Electric power systems Energy: the enterprise 		
2.	Dr.K Punitha	 COVID 19- what you need to know Introduction to International Criminal Law Evidence based Toxicology Introduction to Big data Structuring Machine Learning Projects 		
3.	Dr.S.Edwin Jose	 Electric Power Systems Safety in the utility industry Electric utilities Fundamentals and features Introduction to internet of things and embedded system Natural Gas Energy: The Enterprise Renewable Energy and Green building Entrepreneurship Meditation Powerful mental tools to help you master through subjects Write professional emails in English Wind Energy Solar Energy Basics 		
4.	Dr.S.Anbarasi	 Electric power systems Introduction to solar cell Energy the Enterprise Natural Gas Renewable Energy and Green Building Entrepreneurship Wind Energy English for Teaching Purposes Introduction to Programming with MATLAB International Water Law COVID-19 - A clinical update Introduction to International Criminal Law Modelling and Debugging Embedded Systems Speak English Professionally: In Person, Online & On the Phone Programming for Everybody (Getting Started with Python) Black Holes Motors and Motor Control Circuits Electric utilities fundamentals and future 		

5.	Dr.R.Rajagopal	 Electric Power System. Natural Gas. COVID-19 Safety in the Utility Industry Energy: the Enterprise.
6.	Dr.V.Seetharaman	 Renewable Energy Green Building Entrepreneurship. Electrical utilities Fundamental and future. Introduction to international criminal law Evidence based toxicology
7.	Mr. T. Balasubramanian	 Renewable and green energy entrepreneurship COVID 19 Natural gas Electric Power System
8.	Mr. S. Sivakumar	 Electric Industry Operations and Markets Electric Power Systems Motors and Motor Control Circuits Safety in the Utility Industry Energy: the Enterprise Electric Utilities Fundamentals and Future Natural Gas Wind Energy Introduction to Psychology Renewable Energy and Green Building Entrepreneurship
9.	Mrs.S.Krishnaveni	 Electric power systems Natural gas Wind energy Safety in the Utility Industry Energy: the Enterprise Electric Utilities Fundamentals and Future Renewable energy and green building entrepreneurship Electric Industry Operations and Markets Introduction to Solar Cells Astro 101 Block Holes COVID -19 A Clinical Update Energy Production and Distribution English for Teaching Purpose Industrial IOT and Market Security International Water Law Introduction to International Criminal Law Motors and Motor Control Circuits Pressure, Force, Motion and Humidity Sensors Structuring Machine Learning Projects Understanding Research Methods Covid-19 What do you Need to Know(CME Eligible)
10.	Mrs.R.Aruna	Astro 101: Black Holes Pressure, Force, Motion, and Humidity Sensors Programming for Everybody (Getting Started with

	1	D=41)				
		Python)				
		4. Speak English Professionally: In Person, Online & On				
		the Phone				
		5. Introduction to solar cells				
		6. Renewable Energy and Green Building				
		Entrepreneurship				
		7. Wind Energy				
		8. Electric Power Systems				
		9. Electric Utilities Fundamentals and Future				
		10. Introduction to solar cells				
		11. Sensors and sensor circuit design				
		12. Natural Gas				
		13. Safety in the Utility Industry				
		14. Energy: The Enterprise				
		15. Motors and Motor control circuit				
		16. International water law				
		17. Introduction to International Criminal Law				
		1. Electric power system				
11.	Mrs.M.Yamuna	2. Safety in the Utility Industry				
		3. Energy: the Enterprise				
		1. COVID 19				
		2. Natural gas				
12.	Mr.S.Ramaraj	3. Electric Power System				
		4. Safety in the Utility Industry				
		5. Energy: the Enterprise				
		Electric power systems				
		2. Natural gas				
		3. Wind energy				
13.	Mr.P.Sarathchandran	4. Safety in the Utility Industry				
13.	Wii.i .Sarathenandran	5. Energy: the Enterprise				
		6. COVID 19				
		0. COVID 19				
		1 Floatric Industry Operations and Markets				
		Electric Industry Operations and Markets Electric Power Systems				
		2. Electric Power Systems				
		3. Electric utilities fundamentals and future				
		4. Introduction to internet of things and embedded				
1.4		system				
14.	Ms.B.Mangaiyarkkarasi	5. Programming for Everybody (Getting Started with				
		Python)				
		6. Natural Gas				
		7. Semiconductor physics				
8. safety in the utility industry						
		9. Energy: the enterprise				
		Electric Industry Operations and Markets				
15.	Ms.V.Dhivyarubini	2. Electric Power Systems				
		3. Electric utilities fundamentals and future				
	•					

		4. Introduction to internet of things and embedded		
		system		
		5. Safety in the utility industry		
		6. Natural Gas		
		7. Energy: the enterprise		
		8. Wind energy		
		9. Renewable energy and green building		
		entrepreneurship		
		Electric Industry Operations and Markets		
		2. Electric Power Systems		
	Mr.M.Sivaraman	3. Natural Gas		
16.		4. Safety in the Utility Industry		
10.		5. Energy: the Enterprise		
		6. Wind Energy		
		7. Energy Production, Distribution and Safety		
		8. COVID 19- what you need to know.		
		Electric Industry Operations and Markets		
		2. Electric Power Systems		
		3. Electric utilities fundamentals and future		
		4. Introduction to internet of things and embedded		
		system		
17.	Ms.K.Ajitha	5. Programming for Everybody (Getting Started with		
		Python)		
		6. Natural Gas		
		7. Energy: the enterprise		
		8. Safety in utility industry		
		9. Semiconductor physics		

WORKSHOPS/FDPs/SEMINARS:

Sl. No	Name of the Faculty	No of 1 day webinars	No of 2 days webinars	No of 3 days webinars	No of 4 days webinars	No of One week webinars	No of Two weeks webinars	No of online course
1	Dr.R.Madavan	16	-	-	2	4	1	2
2	Dr.K.Punitha	38	1	3	1	1	1	0
3	Dr.S.Edwin Jose	62	2	2	1	11	2	2
4	Dr.S.Anbarasi	48	2	3	1	2	0	5
5	Dr.R.Rajagopal	15	1	2	2	4	1	7
6	Dr.V.Seetharaman	16	1	2	0	1	1	-
7	Mr.T.Balasubramanian	7	1	0	0	0	0	6
8	Mr.S.Sivakumar	38	2	3	2	2	1	7
9	Mrs.S.Krishnaveni	41	1	3	1	8	1	10
10	Mrs.R.Aruna	62	3	4	0	10	1	8
11	Mrs.M.Yamuna	36	3	2	0	2	2	5
12	Mr.S.Ramaraj	43	2	2	1	1	0	1
13	Mr.P.Sarathchandran	31	2	2	1	1	0	1
14	Ms.B.Mangaiyarkkarasi	31	1	1	0	2	1	2
15	Ms.V.Dhivyarubini	40	4	1	0	2	2	3
16	Mr.M.Sivaraman	33	1	1	1	2	0	7
17	Ms.K.Ajitha	26	4	3	1	3	0	3

<u>MoU's</u>

MoU signed with VoltechPvt ltd, Chennai on 14.02.2020



MoU signed with Abirami Engineering Works Pvt, Chennai on 15.02.2020



EVENTS

1. The Department of Electrical and Electronics Engineering has organized an International workshop on "Application of Artificial Intelligence Smart Cities" for students on 24.01.2020.





2. The Department of Electrical and Electronics Engineering has organized Interaction with Academic Experts on the title "Enhancing the Research Activities" for the faculties those who have completed their doctorates degrees in various discipline. Dr.Albert Alexander, Professor, Kongu Engineering College, Erode was invited as a resource person on 24.01.2020.





3. The Department of Electrical and Electronics Engineering & IEEE organized A National level Project Contest "PRAKALPA'2K20" on March 06, 2020.





4. CENTER OF EXCELLENCE PROGRAMS

The Department of Electrical and Electronics Engineering has organized following value added course to our students as follows

Sl. No	Year	Course Name	Training Dates
1.	III	Fundamentals of IOT	09.03.2020 to 14.03.2020
2.	IV	E-PLAN	10.02.2020 to 15.02.2020

5. ONLINE EVENTS ORGANIZED

The Department of Electrical and Electronics Engineering has organized following online events

Sl.No	Date	Name of the events organized	No of
			Participants
1.	13.05.2020	One day Webinar on "Challenges in Power	183
		Engineering"	
2.	15.05.2020	One day Webinar on "Advancement in solar PV and	276
		thermal technologies for power generation"	
3.	18.052020	One week FDP on "Research Opportunities in	901
	to 23.05.2020	Electrical Engineering and its Applications"	

STUDENT ACTIVITIES

COVID'19 PROJECTS

- 1. Mr.G.Vijay Venaktesh of II-EEE designed a project titled "Automatic Covid'19 Quarantine Tracking Module with PIR Sensor".
- 2. Mr.T.Vijay of IV-EEE designed a "Watch to Track a Covid-19 Patient's Movement with Radio Frequency Detection Methodology".



EVENTS PARTICIPATED

YEAR/SEM - II/IV

WORKSHOPS

Sl. No	Name Of The Student	Title	Place	Date
1.	M.Maheswaran	Embedded Automation	Sri Shakthi Institute Of Engineering And Technology	06 - 08.02.2020
2.	K.Muthamilselvan	"Real Time Project Design Using Arduino-Tools& Techniques"	AAA College Of Engineering And Technology	06 - 08.02.2020
3.	P.Petchimuthu	Embedded Automation	Sri Shakthi Institute Of Engineering And Technology	06 to 08.02.2020
4.	M.Muruganantham	"Real Time Project Design Using Arduino-Tools& Techniques"	AAA College Of Engineering And Technology	06& 07.02.2020
5.	S.B.Viswanath	"Real Time Project Design Using Arduino-Tools& Techniques"	AAA College Of Engineering And Technology	06 & 07.02.2020
6.	M.Rajesh	"Real Time Project Design Using Arduino-Tools& Techniques"	AAA College Of Engineering And Technology	06 & 07.02.2020
7.	V.Mahalingam	"Real Time Project Design Using Arduino-Tools& Techniques"	AAA College Of Engineering And Technology	06 & 07.02.2020
8.	G.Vijayavenkatesh	Machine Learning	Rathinam Engineering College Coimbatore	07.02.2020
9.	R.Karuppasamy	Machine Learning	Rathinam Engineering College Coimbatore	07.02.2020
10.	C.SankarDhinesh	Machine Learning	Rathinam Engineering College Coimbatore	07.02.2020

11.	J.Akash	Machine Learning	Rathinam Engineering College Coimbatore	07.02.2020
12.	S.Gowtham	Iot Workshop	KPR Institute Of Engineering And Technology	07 & 08.02.2020
13.	S.Mathan	IOT WORKSHOP	KPR Institute Of Engineering And Technology	07 & 08.02.2020
14.	I.Abisheik	Iot Workshop	KPR Institute Of Engineering And Technology	07 & 08.02.2020
15.	P. Vignesh	Embedded Automation	Sri Shakthi Institute Of Engineering And Technology	06 to 08.02.2020
16.	K.Karthikeyan	Embedded Automation	Sri Shakthi Institute Of Engineering And Technology	06 to 08.02.2020
17.	M. AarthiShunmuga Lakshmi	Two Days Hands On Training On LABVIEW	Francis Xavier Engineering College	28& 29.02.2020
18.	B.Vairalakshmi	Two Days Hands On Training On LABVIEW	Francis Xavier Engineering College .	28& 29.02.2020
19.	V DivyaMariya	Two Days Hands On Training On Labview	Francis Xavier Engineering College	28& 29.02.2020

SYMPOSIUMS

Sl.No	Name Of The	Title	Place	Date
	Student			
1.	S.Sundar	DYNAMECH-T20	P.S.R.Engineering	07.02.2020
			College	
2.	R.Karuppasamy	Exodia"T20 National	Rathinam	08.02.2020
		Level Technical	Engineering	

		Symposium	College	
			Coimbatore	
3.	K.Karthick	FIBONDROM 2020	P.S.R.Engineering	13.02.2020
			College	
4.	S. Sudalaimani	TEXPERIA 19-20	SNS College Of	14 &
			Technology	15.02.2020
5.	R. Prem Kumar	TEXPERIA 19-20	SNS College Of	14 &
			Technology	15.02.2020

PROJECT EXPO'S

Sl.No	Name of the Student	Name of the Institute	Duration
1.	G.Vijaya Venkatesh	Rathinam Technical Campus	07 & 8.02.2020
2.	J.Akash	Rathinam Technical Campus	07 & 8.02.2020
3.	C.Sankar Dhinesh	Rathinam Technical Campus	07 & 8.02.2020
4.	R.Karuppasamy	Rathinam Technical Campus	07 & 8.02.2020

COURSERA COURSES

Sl.No	Name Of The Student	Title		
1.	S.Ayyappan	1. Renewable Energy And Green Building Entrepreneurship		
2.	G. Karthikeyan	 Electric Power Systems Renewable Energy And Green Building Entrepreneurship 		
3.	M.Sankaramahalingam	 AI For Everyone Safety In The Utility Industry Energy The Enterprise Wind Energy Natural Gas Electric Power System 		
4.	R.Satheshkumar	 Electric Power System Renewable Energy And Green Building Entrepreneurship 		
5.	G.Dhivya	Electric Power System		
6.	P.Rajesh Kumar	Electric Power System Write A Feature Length Screenplay Film Or Television		

7.	S.EsakkiSankar	Electric Power System
8.	V.DivyaMariya	1. Natural Gas
		2. Version Control With Git
		3. Electric Vehicles And Mobility
9.	M.Maheswaran	1. Introduction To The Internet Of Things And
		Embedded Systems
		2. Natural Gas
		3. Wind Energy
		4. Safety In The Utility Industry
		5. Renewable Energy And Green Building
		Entrepreneurship
		6. Electric Power Systems
10.	R.Saravanakumar	Electric Power System
		2. Natural Gas
		3. Safety Utility In The Industry
11.	S.Gowtham	1. Covid-19: What You Need To Know(Cme
11.		Eligible)
		2. Electric Power Systems
		3. Natural Gas
		4. Smart Device & Mobile Emerging Technologies
		5. Wireless Communications For Everybody
		6. Wind Energy
		7. Introduction To Project Management
10	D.C. 1	
12.	B.Saravanakumar	1. Electric Power System
		2. Natural Gas
		3. Safety Utility In The Industry
		4. Programming For Everybody(Getting Started
		With Python
		5. Introduction Of Cyber security
13.	K.Poominathan	Electric Power System
14.	V.Saravanabhavan	Electric Power System
		2. Natural Gas
		3. Safety Utility In The Industry
15.	B.Manojvel	Electric Power System
15.	B.Wanojvei	2. Safety Utility In The Industry
		2. Safety offinty in The industry
16.	M.Dineshkaran	1. Wind Energy
		2. Electrical Utilities Fundamentals And Future
		3. Python Programme For Raspberry Pi
		4. Electrical Power System
		5. Embedded Hardware And Operating System
17	Dhotohor - M 11 Nf	1 Flootrio Dover Contains
17.	DhatchanaaMurrthy M	1. Electric Power Systems
	A	2. The New Nordic Diet- From Gastronomy To

		Health 3. Covid -19: What You Need To Know (Cme Eligible) 4. Foundations Of Public Health Practice: Health Protection 5. Cyber security Policy For Aviation And Internet Infrastructures 6. Ferrous Technology I
18.	B.Muthukumar	Electrical Power System
19.	M. AarthiShunmuga Lakshmi	 Introduction To Html Cyber Security In Manufacturing Java Programming :Solve Problems With Software Programming For Everybody (Getting Started With Python) Version Control With Git Electric Power System Electric Vehicles And Mobility Natural Gas Use Canva To Create Social Media Marketing Design
20.	B.Vairalakshmi	 Natural Gas Version Control With Git Electric Vehicles And Mobility Photovoltaic Solar Energy Electric Power Systems. Digital Manufacturing and Design. Cyber Security in Manufacturing. Use Canva To Create Social Media Marketing Designs.
21.	R.Karuppasamy	 Electric Power System Renewable Energy And Green Building Entrepreneurship Wind Energy Natural Gas
22.	M.Chandru	 Electric Power System Natural Gas Safety Utility In The Industry

23.	M.Maheshkumar	 Introduction To The Internet Of Things And Embedded Systems Natural Gas Wind Energy Safety In The Utility Industry Renewable Energy And Green Building Entrepreneurship Electric Power Systems
24.	P. Vignesh	Electric Power Systems
25.	S.Arjunsingh	Electric Power System
26.	Sivaprakash.P	 Wind Energy Natural Gas Renewable Energy And Green Building Entrepreneurship Covid-19 Contact Tracing Safety In The Utility Industry

WEBINARS

Sl.N o	Name Of The Student	Title	Organized By	Date
1.	S.Ayyappan	Cyber security	CISCO	13.04.2020
		Essentials		
2.	S.Ayyappan	Introduction To Pocket	CISCO	19 &
		Tracer		22.05.2020
3.	V .DivyaMariya	You Can Do It	ICT Academy	20.05.2020
4.	S.Gowtham	You Can Do It	ICT Academy	20.05.2020
5.	M.A.DhatchanaaMurrthy	You Can Do It	ICT Academy	20.05.2020
6.	V.Mahalingam	You Can Do It	ICT Academy	20.05.2020
7.	M.Muruganantham	You Can Do It	ICT Academy	20.05.2020
8.	K.Muthamilselvan	You Can Do It	ICT Academy	20.05.2020
9.	S.B.Viswanath	You Can Do It	ICT Academy	20.05.2020
10.	P.Sivaprakash	The Physical	IEEE	26.05.2020
		Limitations Of Electric		
		Machines		
11.	S.Gowtham	Key To Success	ICT Academy	27.05.2020
12.	M.Muruganantham	Key To Success	ICT Academy	27.05.2020
	2.212.242.4284.4444.4444	1109 10 200000		27.102.2020

13.	K.Muthamilselvan	Key To Success	ICT Academy	27.05.2020
14.	V .DivyaMariya	Key To Success	ICT Academy	27.05.2020
15.	M.A.DhatchanaaMurrthy	Key To Success	ICT Academy	27.05.2020
16.	S.Gowtham	Power Industry Today	ICT Academy	27.05.2020
17.	S.Mathan	Artificial Intelligence For Health Application	CIT	27.05.2020
18.	M.AarthiShunmuga Lakshmi	Power Industry Today	IEEE	27.05.2020
19.	P.Sivaprakash	Solar E-Cycles: Empowering People	IEEE	28.05.2020
20.	M.AarthiShunmuga Lakshmi	Campus to Corporate	ICT Academy	28.05.2020
21.	M.AarthiShunmuga Lakshmi	Spark In The Engineering World	IEEE	30.05.2020
22.	S.Ayyappan	Introduction To Cyber Security	CISCO	31.05.2020
23.	S.Gowtham	How To Be Successful	IEEE	31.05.2020
		In Electrical		
		Engineering		
24.	M.Vanaraj	Successful In Electrical	IEEE	31.05.2020
		Engineering		

YEAR/SEM – III/VI

WORKSHOPS

Sl.No	Name of the	Title	Place	Date
	Student			
1.	S.Jeyaannath	Real Time Project Design Using Arduino-Tools& Techniques	AAA College of Engineering And Technology	06& 07.02.2020
2.	N.Kanimozhi	Two days hands on training on LABVIEW	Francis Xavier Engineering College	28.02.2020& 29.02.2020
3.	M.Jeniper	Two days hands on training on LABVIEW	Francis Xavier Engineering College	28.02.2020& 29.02.2020
4.	P.Yamunasri	Two days hands on training on LABVIEW	Francis Xavier Engineering College	28.02.2020& 29.02.2020
5.	N.Madhavan	Arduino Dot Python	Madras Institute Of Technology	13.03.2020
6.	R. Vigneshwaran	Arduino Dot Python	Madras Institute Of Technology	13.03.2020
7.	S.Jeyaannath	Arduino Dot Python	Madras Institute Of Technology	13.03.2020
8.	S. Sudalaimani	IOT for Electrical Science	SNS College of Technology	15-02-2020
9.	R. Premkumar	IOT for Electrical Science	SNS College of Technology	15-02-2020

SYMPOSIUMS

Sl.No	Name of the	Title	Place	Date
	Student			
1.	S.Sundar	DYNAMECH-T20	P.S.R.Engineering	
			College	07.02.2020
2.	K.Karthick	FIBONDROM 2020	P.S.R.Engineering	
			College	13.02.2020

3.	S. Sudalaimani	TEXPERIA 19-20	SNS College Of	14 &15-02-
			Technology	2020
4.	R. Premkumar	TEXPERIA 19-20	SNS College Of	14 &15-02-
			Technology	2020

COURSERA COURSES

Sl.No	Name of the Student	Title		
1.	S.Ayyappan	1. Renewable Energy And Green Building Entrepreneurship		
2.	G. Karthikeyan	 Electric Power Systems Renewable Energy And Green Building Entrepreneurship 		
3.	M.Sankaramahalingam	 AI For Everyone Safety In The Utility Industry Energy The Enterprise Wind Energy Natural Gas Electric Power System 		
4.	R.Satheshkumar	 Electric Power System Renewable Energy And Green Building Entrepreneurship 		
5.	G.Dhivya	1. Electric power system		
6.	P.Rajeshkumar	 Electric Power System Write A Feature Length Screenplay Film Or Television 		
7.	S.EsakkiSankar	1. Electric power system		
8.	M.Rajesh	 Wind Energy Electric Power System 		

WEBINARS

Sl.No	Name of the	Title	Organized by	Date
	Student			
1.	S.Ayyappan	Cyber security Essentials	CISCO	13.04.2020
2.	S.Ayyappan	Introduction To Pocket Tracer	CISCO	19 &22.05.2020
3.	S.Ayyappan	Introduction To Cyber Security	CISCO	31.05.2020
4.	S.Ayyappan	Introduction To IOT	CISCO	31.05.2020

5.	R.Satheshkumar	Scope Of Electrical	IEEE	10.06.2020
		Engineers In Machine		
		Design		
6.	R.Satheshkumar	Future of education	ICT Academy	18.06.2020
			-	

CONFERENCES

Sl.No	Name of the Student	Title of paper	Place	Date
1.	G.Muthukomu	Photodynamic Therapy	P.S.R. Engineering	06 &
		for Cancer	College, Sivakasi	07.02.2020
2.	G. Vijay	Advance vehicle	P.S.R. Engineering	06 &
		protection and accident	College, Sivakasi	07.02.2020
		alert system		
3.	S. Manojkumar	Advance vehicle	P.S.R. Engineering	06 &
		protection and accident	College, Sivakasi	07.02.2020
		alert system		
4.	M.	Advance vehicle	P.S.R. Engineering	06 &
	Mariselvakumar	protection and accident	College, Sivakasi	07.02.2020
		alert system		
5.	S. Suresh	Wireless Acquisition	P.S.R. Engineering	06 &
		system for Water	College, Sivakasi	07.02.2020
		quality monitoring		
		using ARDUINO		
6.	K.Maridurai	Wireless Acquisition	P.S.R. Engineering	06 &
		system for Water	College, Sivakasi	07.02.2020
		quality monitoring		
		using ARDUINO		
7.	K. Dineshkumar	Wireless Acquisition	P.S.R. Engineering	06 &
		system for Water	College, Sivakasi	07.02.2020
		quality monitoring		
		using ARDUINO		
8.	S.Praveen Kumar	Smart rescue system	P.S.R. Engineering	06 &
		from borewell (SRS)	College, Sivakasi	07.02.2020

YEAR/SEM - VI/VIII

WORKSHOPS

Sl.No	Name of the Student	Title	Place	Date
1.	S.Muppidathi	Arduino workshop	Uniq technology	09/03/2020
2.	K.Asha	Arduino workshop	Uniq technology	09/03/2020
3.	V. Sundari	Arduino Workshop	Uniq technology	09/03/2020

INPLANT TRAININGS

Sl.No	Name of the Student	Title	Place	Date
1.	C.Muthukumar	Smart Load	Phoenix	10.01.2020
		Schedule With Solar	Softtech, Madurai	
2.	S.Kartheeswaran	Agriculture Robot	Silicon Harvest,	23.03.2020
		Used For Ploughing	Madurai.	
		And Seeding		
3.	S.Dhamodharakannan	Agriculture Robot	Silicon Harvest,	23.03.2020
		Used For Ploughing	Madurai.	
		And Seeding		
4.	B.Periyasamy	Agriculture Robot	Silicon Harvest,	23.03.2020
		Used For Ploughing	Madurai.	
		And Seeding		
5.	R.Ravikumar	Agriculture Robot	Silicon Harvest,	23.03.2020
		Used For Ploughing	Madurai.	
		And Seeding		

COURSERA COURSES

Sl.No	Name of the	Title	
	Student		
1.	R.Ravikumar	Data Science Math Skills	
		2. New Models of Business in Society	
		3. How to Write a Resume (Project-Centered Course)	
		4. Communication Strategies for a Virtual Age	
		5. Project: Creating Your First C++ Application	
		6. Object-Oriented Programming with Java	
		7. Facial Expression Recognition with Keras	

8. Introduction to Project Management
9. Create Your First Game with Python
10. Build Your Portfolio Website with HTML and CSS
11. Science of Exercise
12. Fundamentals of Kubernetes Deployment
13. Understanding Medical Research: Your Facebook Friend is Wrong
14. History of Rock, Part One
15. Everyday Chinese Medicine
16. Predicting House Prices with Regression using Tensor Flow
17. Avoid Over fitting Using Regularization in Tensor Flow
18. Fundamentals of Rehearsing Music Ensembles
19. Classification with Transfer Learning in Keras
20. Mindshift: Break Through Obstacles to Learning and
Discover Your Hidden Potential
21. Think Again I: How to Understand Arguments
22. Leadership and Emotional Intelligence
23. Wind Energy
24. Integrated Marketing Communications: Advertising,
Public Relations, Digital Marketing and more
25. Hacking Exercise for Health. The surprising new
science of fitness.
26. AI For Everyone
27. API Design and Fundamentals of Google Cloud's
Apigee API Platform
28. Electric Utilities Fundamentals and Future
29. Autism Spectrum Disorder
30. International Water Law
31. Mechanics of Materials IV: Deflections, Buckling,
Combined Loading & Failure Theories
 0 - 1 - 1 - 1 - 1 - 1 - 1

CONFERENCES

Sl.N o	Name of the Student	Paper Title	Place	Date
1.	K.Dinesh Kumar	Wireless Acquisition System For Water Quality Monitoring Using Arduino	P.S.R.Engineering College	06 & 07.02.2020

2.	S.Manojkumar	Wireless Acquisition System For Water Quality Monitoring Using Arduino	P.S.R.Engineering College	06 & 07.02.2020
3.	S.Suresh	Wireless Acquisition System For Water Quality Monitoring Using Arduino	P.S.R.Engineering College	06 & 07.02.2020
4.	S.Manikandan	IOT Based Smart Assistant For Special People	PSR Rengasamy College of Engineering for Women	06.03.2020
5.	S.Eswaran	IOT Based Smart Assistant For Special People	PSR Rengasamy College of Engineering for Women	06.03.2020
6.	B.Karuppasamy	Drone based on medical field	PSR Rengasamy College of Engineering for Women	06.03.2020
7.	B.Karuppasamy	IOT Based Smart Assistant For Special People	PSR Rengasamy College of Engineering for Women	06.03.2020
8.	K.Anitha	Optimal design of a new casecaded multilevel inverter topology with reduced switch count	PSR Rengasamy College of Engineering for Women	06.03.2020

SOCIAL AWARENESS ACTIVITY

Social Awareness Activity held at Government Higher Secondary School, Kalingapatti on 31.01.2020





PLACEMENT DETAILS

S.No	Name of the Student	Name of the Company	Company	Position
1.	Ms. Nivetha T K	Schneider Electric Pvt Ltd.	type Electrical	Graduate Trainee Apprentiship
2.	Aravindhan M	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
3.	Balachandar S	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
4.	Eswaran S	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
5.	Kalirajan B	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
6.	Krishnaveni P	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
7.	Maheswaran M	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
8.	Manikandan S	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
9.	Muneeswaran M	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
10.	Narendran A	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
11.	Santhosh B	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
12.	Dhamodharakanan S	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
13.	Kartheeswaran S	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
14.	Mathanraja R	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
15.	Navarthinapandiyan T	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
16.	Ramkumar A	Shree Abirami Engineering Works Pvt Ltd, Chennai	Electrical	Graduate Engineer Trainee
17.	Asha K	Schneider Electric Pvt Ltd, Chennai.	Electrical	Graduate Trainee Apprentiship
18.	Bhuvaneshwari R	Schneider Electric Pvt Ltd, Chennai.	Electrical	Graduate Trainee Apprentiship
19.	Sundari V	Schneider Electric Pvt Ltd, Chennai.	Electrical	Graduate Trainee Apprentiship
20.	Anitha K	Schneider Electric Pvt Ltd, Chennai.	Electrical	Graduate Trainee Apprentiship
21.	Kalpanadevi	RSIMPL- Foxconn Pvt Ltd, Chennai.	Core	Graduate Trainee Apprentiship

P.S.R.Engineering College (Autonomous Institution)

Vol. 10, Issue 2 May 2020

22.	V M Rishikanth	V.M Rishikanth UCAL Fuel Systems Pvt Ltd Core	Core	Graduate Trainee
22.	v.ivi Kisiiikantii		Corc	Apprentiship
22	C. Cumvalaum an	UCAL Fuel Systems Pvt Ltd	Core	Graduate Trainee
23.	23. S.Suryakumar			Apprentiship
24	AnonthoDomlyumon	Elita Estata Dat I td	Como	Graduate Trainee
24.	24. AnanthaRamkumar	Elite Estste Pvt Ltd	Core	Apprentiship
25	Robin	Elite Estste Pvt Ltd	Core	Graduate Trainee
25.				Apprentiship

KNOW YOUR ALUMNI

G. ARUN PRAKASH

Alumni: 2005

Department of Electrical and Electronics Engineering.

PSR Engineering College,

Sivakasi.



EDUCATION

➤ Completed B.E- Electrical and Electronics Engineering in PSR Engineering College, Sivakasi in the year 2005

EXPERIENCE SUMMARY

- ➤ Maxpro Engineers Pvt Ltd. (Manager Electrical) from Nov-2012 to till date.
 - * Plant Design and Detail Engineering.
 - * Plant Layouts.
 - * Design Calculations.
 - * Electrical Equipment Sizing.
 - * Relocation of Plants.
- > Cethar Electricals Ltd. (Senior Engineer)
 - * Designing of Electrical and Instrumentation part of Boilers in Power plants and utilities from July-2009 to Oct-2012.
- **Formoplastic Controls (P) Ltd.** (Design Engineer)
 - * Electrical and Mechanical designing of Panel Boards like PCC, MCC, Drive Panels, Relay Panels, etc. from July-2005 to June-2009.

STUDENT ARTICLES

Automatic COVID' 19 Quarantine Tracking module with PIR sensor

I am happy to present you my project "Automatic COVID' 19 Quarantine Tracking module with PIR sensor". In the pandemic situation, as an electrical engineer we have decided to give our contribution to the public in a better way. However, we could not purchase materials at that time. So we have decided to carry out our project with the materials available with us and we have developed this project "Automatic COVID' 19 Quarantine Tracking module with PIR sensor". The purpose of my project is to monitor the peoples in home quarantine and also in quarantine center. Actually, most of the corona spread is initiated by this quarantined people while they go out from quarantine area by violating the rules. Hence, in our project we have designed a Quarantine Tracking system with PIR sensor arrangement. This module contains 4 major units such as power supply unit, sensing unit, control unit and data transmitting unit.

- In power supply I have chosen 1A, 230V/12V step down transformer for providing the required power for entire module.
- The rectifier unit is used to convert the AC supply to DC supply
- The sensing unit contains PIR sensor which I have chosen may covers area of 2.5 meters length and height of 9 meters and operated in entire 180 degree angle which is used to sense the movement of person with high detection speed.
- The control unit consists of Arduino UNO which has ATMEGA 328 processor. We have programmed the processor with the mobile number of local security control room.
- The data transmitting unit contains GSM sim 800A module in which we have set sim of any company like AIRTEL, BSNL etc. When the Arduino send signal to GSM which will be transmitted to the security control room.

The PIR sensor will be fixed by internally facing at the entrance path of the quarantine area. This PIR sensor senses the movement of persons. If anyone tries to escape from the quarantine area the movement is tracked, and the input will be given to the Arduino processor. Immediately, an alert call will be sent to the security control room through GSM module. The total processing time for this project, starting from the time of exit of the person, to the intimation given to the security control room is around 7 seconds only. So, by

using this module we can monitor the persons in quarantine from the security control room itself, hence the spread of COVID' 19 disease can be controlled. This project is very simple and efficient one. I also have an idea to develop this project in future by adding salient features and also in affordable price.

G Vijayavenkatesh.

II-EEE

Automatic COVID' 19 Quarantine Tracking module with Radio Frequency Detection Methodology

My project title is "Automatic COVID' 19 Quarantine Tracking module with Radio Frequency Detection Methodology". As per the suggestions and guidance from our college management I have decided to develop a portable working module to help the government and people during the pandemic period. Hence, we have designed this Quarantine Tracking module with the available resources. This module contains a power supply unit, rectifier unit, radio frequency transmitter & receiver, relay module, Arduino controller and GSM module.

- In power supply I have chosen 500mA, 230V/12V step down transformer for providing the required power for entire module.
- The rectifier unit is used to convert the AC supply to DC supply
- Radio frequency transmitter &receiver system transmit and receive signals around maximum of 500 meters
- The control unit consists of Arduino UNO which has ATMEGA 328 processor. We have programmed the processor with the mobile number of local security control room.
- The data transmitting unit contains GSM sim 800A module.

The transmitter is fixed on the hands of the quarantine person's which is designed in shape of water proof watch with supporting rechargeable battery support. The receiver setup is placed in center of the house. The transmitter in watch continuously sends the signal to the receiver. At that time the relay will be in normally open mode. The interruption occurs in this signal while the people try to escape from the home or tries to damage or even else remove the watch. During this interruption, the receiver stops receiving signal from the transmitter. Immediately the relay will be changed to normally closed mode. This input is fed to the Arduino controller. Immediately, the SMS will be sent to the security control room within five seconds and the call alert also will be sent within eight seconds through Arduino controller and GSM module. I have developed this project to send SMS which contains the data such as name of the person with corresponding ID and address. So, by using this module we can monitor the persons in quarantine area from the security control room itself, hence the spread of COVID' 19 disease can be controlled. I also have an idea to develop this project in future in an advanced simplified

manner by using RFID tag methodology. In this method both transmitter and receiver can be placed in home and the RFID tag only will be tied to the quarantined persons hand which is easy to carry and no need for regular charging of device. Once again I thank all for rendering your wonderful support. I wish to convey my special thanks to my parents for their moral support.

T.Vijay,

IV-EEE

PRESS RELEASES

Dailythanthi on 23.04.2020

Dinamalar on 24.04.2020





உள்ளடக்கியது.
பிஐஆர், சென்னாறை வீட்டின் துழைவுவாலிலில் பொருத்த வேண்டும். இத்த சென்னரானது இயக்கங்களை கண்கானினது. இயக்கங்களை கண்கானினது. இயக்கங்களை கண்கானினு. தப்பட்ட தமர் வீட்டை வீட்டு சென்னரானது அதனைக் கண் டந்து எச்சரிக்கை சமிக்கை மற்றும் அழைப்பை அதனுடன் இணைக்கப்பட்டுள்ள கட்டுப் பாட்டு அழையின் தெனைவடும் இணைக்கப்பட்டுள்ள கட்டுப் பாட்டு அழையின் தொலைபேசு அன்றும் அன்றும் சும்மாக அறுப்புகிறது. அன்னத்து பாகங் களின் செயல்பாடு குண் கட்டுப்படுத் வியின் மூலம் கட்டுப்படுத்

இதன் வாமிலாக தனிமைப்ப

இந்த செயல்மாதிரியானது இந்த செயல்மாடுரியானது Radio frequency transmitter, receiver, Arduling GSM மற்றும் Relay கரு விகளை உள்ள டிராஞ்ஸ்பிட்டரா னது கையில் கட்டப்படும் கடிகா ரும் வடி வில் வடி வரைக்கப்பட் டுள்ளது. மேலும் இது வாட்டர் புருப் வசுறித்படன் வடிவமைக் கப்பட்டுள்ளது. இந்த செயல் மாடுகியின் செயல்பாடு குறித்து மாணவர் விஜய் கறியதாவது: இந்த செயல் மாடுரியிலுள்ள கிதியி அமைப்பானது தனிறைப்

ரிசீவர் அமைப்பானது தனிமைப் படுத்தப்பட்ட நபரின் அறையில் அதற்குரிய கண்ட்ரோல் அமைப் புகளுடன் தொடர்ந்து கண்கா

தப்பட்ட நபாடிரா சேதப்படுத்தினாலோ, மற்றும் அறையை விட்டு வெளியேறி னாலோதனிமைப்படுத்தப்பட்ட இது வேளத்திமைசம், அவகு டைய ஐடி., எண் ஆனது அந் பகுதியில் உள்ள கட்டுப்பாட்டு அற்றத்து தக்வல்களை அனுப்ப விடும். இதன் வாயிலாக தனி மைப்படுத்தப்பட்ட நபர்களை அந்தந்த பகுதியில் உள்ள கட்டுப் பாட்டு அறையின் மூலம் க காணித்து கொரோனா சமூ பரவலாவதை தடுக்க முடியும்.

னது கல்லூரி நிர்வரகம் வத்தி கூறுரிர் நாவர்கள் பேற்றோர் மற்றும் துடை போசிரியர்களின் ஊக்கமும் வழிகாட்டுத்தும் புதிய கண்டு புடிப்புகளை உருவரக்க வேல் டும் என்ற உத்வேகத்தை தனக் அளித்ததாக அவர் தெரிவித்தார்

The Hindu on 24.04.2020

இதை கருத்தில் கொண்டு சிவகாசி பி.எஸ்.ஆர்., பொறி பியல் கல்லூரி மாணவர்கள்

வன் வெளிவட்டுள்ள அறிக்கை:
தற்போதைய குழலில்
கொரோனா தொற்று உலகம்
முழுவதும் பரவி வகுறது.
இத்தைய பரவிவைத் தடுக்க
அரசு தீவிர முடிற்றி வெளி நாடு சென்று கூறும் வருக்கு வரு நிறு. அத்தவகையில் வெளி நாடு சென்று தெரும்பியவர்கள் கொரோனா பாடுத்தவர்களி டம் தோடியாகவோ, மறைமுக மாகவோ தொடர்பில் இருத்த வர்களை தன்ப்படுத்தும் முறி கியில் அரசு தீவிரமாக ஈடுபட் டுன்னது.

Now, new devices to track movement of patients

STAFF REPORTER

MADURAI

Two Electrical and Electronics Engineering students of P.S.R Engineering College in Sivakasi have designed a model each to detect movement of people leaving home quarantine area or hospital premises.

In the first model, G. Vijaya Venkatesh has developed an 'Automatic CO-VID-19 quarantine tracking module' which helps in detecting the movement of those under home quarantine using passive infra-red radiation (PIR) sensor and radio frequency detection. If a person who is placed under home quarantine or at a coronavirus ward of a hospital attempts to leave the area, the PIR sensor fixed at the entrance of the quarantined area or hospital will sense the movement. The input will be sent to a processor and an alert will be sent to the security control room through GSM module. This way that person could be stopped from venturing out and spread the infection.

In the second model, T.

Vijay has developed a watch to track a patient's movement. His model has a power supply unit, radio frequency transmitter and receiver, relay unit, a processor and GSM module. The receiver unit will be placed in the centre of the house. The transmitter in watch will continuously send signals to the receiver. An interruption in this signal will occur if a person tries to leave home and remove or damage the watch. An alert SMS will be sent to the security control room.

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