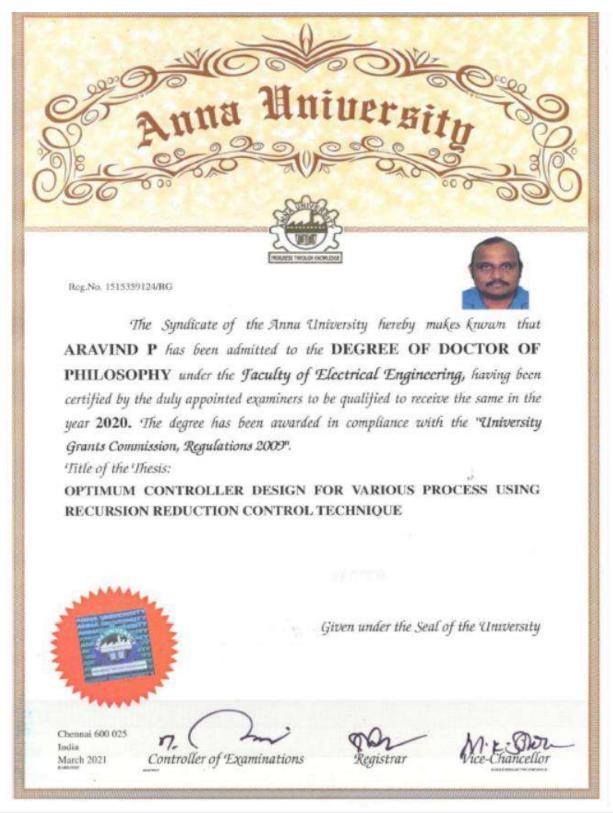
Guide Name: Dr S.M. Girirajkumar, Ph.D Scholar name: Mr. P. Aravind

Registered year: 2015, Completed Year: 2020

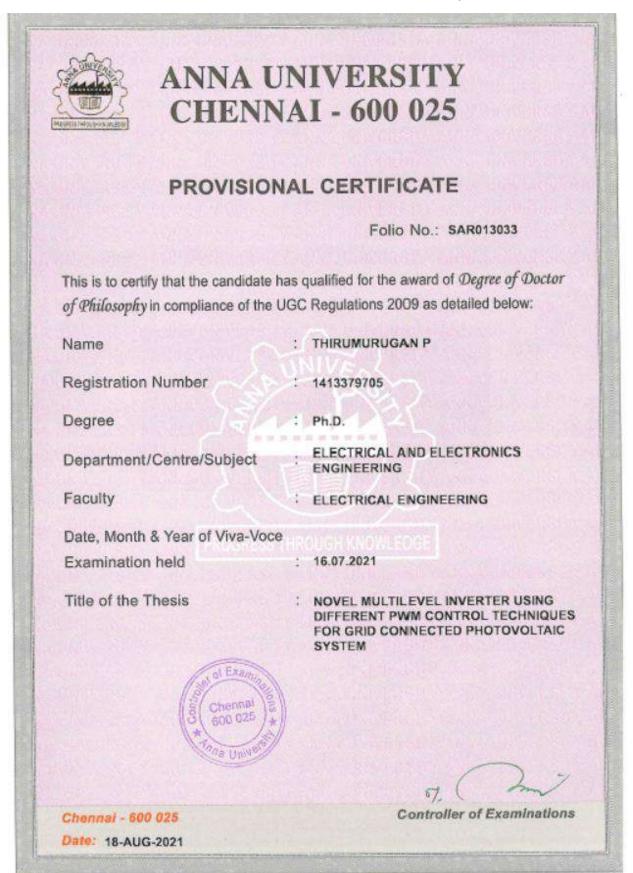
Ph.D. Degree from ANNA University



Ph.D Scholar name: Mr. P. Thirumurugan

Registered year: 2013, Completed Year: 2021

Ph.D. Provisional Certificate from ANNA University



Guide Name: Dr M. Shanmugavalli,

Ph.D Scholar name: Mr. R. Nirmal

Registered year: 2019, Pursing

Progess Report first page from Anna University website

	CENTRE FOR RESEARCH ANNA UNIVERSITY, CHENNAI-600 025	(sor)
	di si di manifa ang	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AR11 - Dt: 09-12-202	Registrat	ion No.: 19123591139
2	early Progress Report January 2021 - December 20	21
1. Particulars of Researc	h Scholar	
Name : Nir	mai R	
	notical Engineering	Nen al
Degree : Ph	D D	1 1
	malpse@gmail.com	ACT
Contact No. : 98	94181238	AN
Designation & Institution	where : Assistant Professor -Electrical&Electronics	A PARTICIPAL
employed (if applicable)		STORE BURNER
2. Registration Details	and the story of generally consider, the store	380 081-1-23
(a) Calegory of registrati	on Part-Time	
(b) Month & Year of Adm	vission IAN & 2019	
(c) Whether provisional If yes, give reference	registration confirmed? : Yes / No No. and date :	
3. Name of the Department	(Caster show the second of Floren and Floren	the Feelensine
research is conducted	/ Centre where the : Department of Electrical and Electro	ands engineering
Destinging of the Pro-		
Research Co-Ordinato	ervisor / Joint Supervisor / Supervisor In-Charge /	
SUPERVISOR DETAILS		
Name / Reference No.	: Dr. Shanmugavalli M / 2330217	
Designation	: Professor	
Department	: Department of Electrical and Electronics Engineering	
Address	Saranathan College of Engineering, Tiruchirappalli	
Email / Mobile.	: muthusamyshanmugavali@yahoo.com / 9865675481	
Institute Code	: 4381608-Electrical and Electronics Engineering	
	Saranathan College of Engineering, Tiruchirappalli	
JOINT SUPERVISOR / S	UPERVISOR IN-CHARGE DETAILS:	
Joint Supervisor / Superv		
5. Tentative title of the F	Research work: FABRICATION OF NANO CARIOLIS FLOW	METER
6. Duration of research	outside the University (If applicable)	

Ph.D Scholar name: Mr. R. Nirmal Registered year: 2019, Pursing

Progess Report submitted to Anna University

Progress Report of Ph.D Programme

[Duration JANUARY 2021-DECEMBER 2021]

Name of the Scholar	: R.NIRMAL		
Reg.No	: 1912359113		
Research Topic	FABRICAT		

23591139

BRICATION OF NANO CORIOLIS FLOW METER"

Works Carried Out:

- > I have completed all four course work which is recommended by the doctoral committee members in the first de meeting which is held in January 2019
- > 1 am planning and making all the arrangements regards to confirmation meeting of provisional registration of research work
- > Study of various micromachining techniques (surface micromachining, bulk micromachining and lithography, electroforming and abformung) has been carried out
- > The basics of comsol software which is used for micro electro mechanical design is studied.
- > Learning of various components of comsol software and handling of their components are carried out. Partial design of micro level flow-meter is carried out in the comsol platform and various design parameters, constraints and applications are discussed with supervisor
- > Detailed literature review on fabrication of micro electromechanical systems also carried out with some case studies.

Webinar/ seminar attended:

- > Attended webinar titled "Best practices to increase chances of getting published in IEEE Journals" by EEE department, SRM TRP Engineering College, Trichy
- > Attended webinar titled "IOT based home automation system using proteus simulation software Journals" by EEE department, Meenakshi Ramaswamy Engineering College, Ariyalur

ensure of the Candidate

P.NIEMAL T

Signature of the Supervisor

Dr. H. SHARNUGAVALLI, BE. WTech. PAD. Professor, Dept. Electrical & Electronics Engineering, Saranethan Cellege of Engliseering. Tiruchirappaili - \$28 612.

Registered year: 2019, Pursing

Provisional Registration from Anna University

The second	CENTRE FOR RESI	EARCH	
	ANNA UNIVERSITY CHENNAI - 600 025		
	Dr. K.P. JAYA DIRECTOR	Telephone :+91-44-2235 7366/2235 0361 Fax :+91-44-2220 1213 Email :dirresearch@annsuniv.edu dirresearch@gmail.com	
	Lr.No.CFR/Ph.D./Admn/JAN/2020	Date : 23,12.2019	Jai
	To Dr.M.Shanmugavalli Professor Department of Electrical and Electronics Engineering Saranathan College of Engineering Tiruchirappalli - 620 012		st
	Sub: Ph.D. Programme - Provisional Registration - Order - Is	sued.	-
	Ref: Res. No. 34.09 of the 34 th Research Board Meeting held		-

	I am to inform that Ms.Ezhilarasi K is permitted as Part-Time scholar in the Faculty of Electrical Engineerin 2020 session under your guidance.	to register provisionally for Ph.D. programme ig of Anna University, Chennai during January	
	Topic of Research: NANO SENSOR FOR BIOMEDICAL APP	PLICATION	
		t de la trabaita	
	The Research Scholar may be instructed to submit the E https://cfr.annauniv.edu/scholars/) within a period of 15 days scholar should submit the Semester Progress Report and Regi the time of payment of regular semester fee, every semester.	stration Renewal Form in the prescribed format at	
•	The 50% of the programme fee paid will be refunded, if the days from the date of payment of fee and thereafter caution conditions.		
	The Registration Number of the research scholar is 202435	11181.	
	In all future correspondence quote "20243591181/Ph.D./ governed by the "Regulations for Ph.D. Programme" of this Regulations from time to time.	AR11" as reference. The research scholar was to University and any amendments are made to the	
		DIRECTOR	
	To	<u> </u>	
all the second second	 Individual. The Head of the Department / Director of the Centre. The Head of the Institution of the scholar. 	22 pt 6.0 23 1	12/19

Registered year: 2019, Pursing

Progress Report First page from Anna University website

		, CHENNAI-600 025	
AR11 - Dt 13-	2-2021	Registra	tion No.: 202435
	Yearly Progress Report	January 2021 - December 2	021
1. Particulars of F	lesearch Scholar		
			ALC: NO
Name	: Ezhilarasi K		
Faculty	: Electrical Engineering		1 1 1 1 1 1 1
Degree Email	: Ph.D.		
Contact No.	: ezhil harii@gmail.com : 9629305667		-
	sitution where : Assistant Profes	reclicity mention and Cook	
employed (if app	icable) Engineering.saran 620012	athen college of engineering.	
2. Registration D			
(a) Category of r		Part-Time	
(b) Month & Yea		JAN & 2020	
(c) Whether prov		Yes / No	
If yes, give re	ference No. and date :		
3. Name of the Dop	artment / Centre where the	epertment of Electrical and Electro	eins Faalaaasioo
research is cond	ucted		ner engrissing.
4. Particulars of t	he Supervisor / Joint Supervisor	Supervisor In Charge /	
Research Co-C	indinator	and a second sec	
SUPERVISOR D	the second s		
Name / Reference Designation	e No. Dr. Shanmugavati M / 2 Professor	330217	
Department		and Electronics Engineering	
Address	Saranathan College of 5	Monnening Teachington	
Email / Mobile.	mushusamyahanmuczyg	ali@yanco.com / 9865675481	
Institute Code	4381608-Electrical and I	Electronics Engineering	
	Sarahathan College of 5	Engineering, Tiruchirappalli	
JOINT SUPERVIS	OR / SUPERVISOR IN-CHARGE	DETAILS	
Joint Supervisor /		pplicable	
5 Tentative title o	If the Research work: NANO SE	NSOFI FOR BIOMEDICAL APPL	ICATION
	earch outside the University (if		

820

TAT IN A CONSTRAINT OF LAST

Date: 13-12-2021 12-12:50 (Page 17.5)

Registered year: 2019, Pursing

Progress Report submitted to Anna University

Progress Report of Ph.D Programme

[Duration JANUARY 2021-DECEMBER 2021]

Name of the Scholar	K.EZHILARASI
Reg.No	: 20243591181
Research Topic	: "NANO SENSOR FOR BIOMEDICAL APPLICATION"

With the recommendation of DC members, the following Course work paper related to my research work will be registered in the opcoming sensester.

Course \	Work Registered	in the u	proming	semester:
----------	-----------------	----------	---------	-----------

Course Code	Course Title	Credits	Core Course/Elective/ Special Elective
CU5291	Advanced Wireless Communications System	3	Core Course
CU5096	Pattern Recognition And Machine Learning	3	Elective
TE5201	Instrumentation For Thennal Engineering	3	Core Course
FE1912	Nano Electronics	3	Special Elective

Works Carried Out:

- Study of various micromachining techniques (surface micromachining, bulk micromachining and lithography, electroforming) has been carried out
- The fundamental concept of Consol and Intellisate software has been learned through some defined structure models of various Bio sensors.
- Learning of various components in consol software and handling of components available in software are carried out.
- Detailed Literature review on mathematic modeling of different flow meters has been carried out
 and also the performance analysis of bio sensors and flow meters with its applications are studied
- Different fabrication techniques of micro electro mechanical system has been carried out and their comparison of different techniques is studied

FDP Attended:

 Attended 3 day FDP titled "Research proposal: Writing and opportunities" organized by Government college of Technology, Coimbotore & ACCCET, Kataikudi

K Ellowin

Signature of the Candidate

M Asamsphalle

Signature of the Supervisor

Da. M. Sillar (LLI) es et an mon Consister, Dept. Electrical & Electronics En Saranativan College of Elegistering Thruchirappali - 622 612