

## BIO DATA

Name : **N.GOWTHAMI**  
Designation : Assistant Professor  
Department : Information Technology  
Address for Communication : Assistant Professor/IT, National Engineering  
College, K.R.Nagar,  
Kovilpatti-628503  
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### 1. Personal Details:

Date of Birth & Age : 21 01-1989 & 32  
Sex & Marital Status : Female & Unmarried  
Nationality : Indian

**Qualification**

: M.E.

<b>Degree</b>	<b>Programme and Specialization</b>	<b>Class /CGPA</b>	<b>Month &amp;Year of Passing</b>	<b>Institute/University</b>
B.E.	Information Technology	First Class With Distinction	April 2010	P.S.R. Engineering College, Sivakasi.
M.E	Computer Science and Engineering	First Class with Distinction	May 2013	Mepco Schlenk Engineering College, Sivakasi
Ph.D	Information and Communication Engineering	-	Pursuing	Anna University, Chennai

**Academic Achievements:**

- Secured 19<sup>th</sup> University Rank in Master Degree (Anna University)

**Professional Experience**

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<b>Designation</b>	<b>Institution/ Organisation</b>	<b>Period</b>	<b>Nature of Duties</b>
Assistant Professor	National Engineering College, Kovilpati	03.06.2013 Onwards	Teaching

Date of joining in Present Institution : 03.06.2013

Present status : Assistant Professor

**Courses taught:**

<b>Course Title</b>	<b>U.G. or P.G.</b>
1.Fundamentals of Computing and Programming in C 2.Microprocessors and Microcontrollers 3.Digital Signal Processing 4.Cryptography and Network Security 5. C Programming for Engineers 6. Data Structures and Algorithms 7. Enterprise Mobility 8. Problem Solving Techniques	U.G
1. Vulnerability Assessment	P.G

**2. Academic Achievements**

**Short term Courses / Seminars / Conference/ Workshops organized:**

<b>S.No</b>	<b>Programme</b>	<b>Dates</b>	<b>Responsibility</b>
1.	Two days Hands on Training on Embedded System Design using ARM & PIC Microcontroller	24.08.2015 & 25.08.2015	Co-Cordinator

2.	Three days hands on training on Embedded System Design Using Arduino Processors	29.08.2016 To 31.08.2016	Co-Cordinator
3.	Three days hands on training in Development of Internet of Things Applications across Industries	16.08.2017 To 18.08.2017	Coordinator
4.	Cyber Awareness Program on “Are we Secure?”	08.06.2020	Coordinator

#### **Short term Courses / Seminars / Conference/ Workshops Attended:**

<i>S.no</i>	<i>Title</i>	<i>Programme</i>	<i>Date</i>	<i>Venue</i>
1.	Programming Practice on Image processing using MATLAB	Workshop	19-9-2013 & 20-9-2013	National Engineering college, Kovilpatti
2.	Seminar on SCADA and its Recent Trends	Seminar	18-04-2014	National Engineering College, Kovilpatti
3.	Research Issues & Challenges in Cloud Computing & Big data Analysis	Seminar	22.5.2014	National Engineering College

4.	IT2401- service oriented architecture	FDTP	9.6.2014 To 15.6.2014	National Engineering College
5.	ISTE-Empowering Indian Engineering Education for global Explorations	Convention	7.11.2014 & 8.11.2014	National Engineering College
6.	DBT- Research Approaches and Contemporary Issues of Functional Genomics, Proteomics & Micro array biological Modeling using machine learning in Bioinformatics Applications	Seminar	13.11.2014 to 14.11.2014	National Engineering College
7.	Big data & Cloud: Converging Technologies	Workshop	11.12.2014 To 13.12.2014	Mepco Schlenk Engg College
8.	Workshop on NPTEL	Workshop	13.03.2015	National Engineering College

9.	FDTP on Principles on Digital Signal Processing	FDTP	25.05.2015 To 01.06.2015	National Engineering College
10.	FDTP on IT6503 – Web Programming	FDTP	06.06.2016 to 12.03.2016	National Engineering College
11.	FDTP on CS6551 – Computer Networks	FDTP	12.12.2016 to 18.12.2016	National Engineering College
12.	Deep Learning – Academic and Research Perspective	Workshop	24.01.2018 To 25.01.2018	PSG College of Technology
13.	Cyber Security	STTP	01.07.2019 To 05.07.2019	NIT, Trichy
14.	Cyber Security	ATAL FDP	18.01.2021 To 22.01.2021	University College of Engineering, Osmania University
15.	Software Defined Networks and its Applications	STC	22.06.2021 To 02.07.2021	IIT, Bhubaneswar

### 3. Publications:

<b>International Journals</b>	<b>:</b>	<b>01</b>
<b>International Conference</b>	<b>:</b>	<b>05</b>
<b>National Conference</b>	<b>:</b>	<b>04</b>

#### JOURNAL PUBLICATIONS:

<b>S.No</b>	<b>Title of the Journal</b>	<b>Authors</b>	<b>Journal</b>	<b>Volume, Pages and Year</b>
1.	Safe Riding using Mobile Phones	D. Maheswari R.Selvi P.Manimala N.Gowthami	IJSRD (International Journal for Scientific Research & Development)	Vol: 3 Page: 868 – 871 2016

#### INTERNATIONAL CONFERENCE:

<b>S.No</b>	<b>Title of the Paper</b>	<b>Authors</b>	<b>Name of the Conference</b>	<b>Venue</b>	<b>Date</b>
1.	Safe Riding using Mobile Phones	D. Maheswari R.Selvi P.Manimala	International Conference on Engineering	Muthayammal College of Engineering	10.02.2014 To 11.02.2014

		N.Gowthami	Technology and Science		
2.	Automatic Detection of potholes and humps for controlling the vehicle speed	B.Marimuthu S.Solaiyappan N.Gowthami	International Conference on Applied Science Engineering and Technology	Sengunthar Colelge of Engineering	16.03.2018 To 17.03.2018
3.	Secure and Efficient authentication system for healthcare data by using cancelable finger vein Bio-cryptosystem	M.Malathi Jeyasree P.Maneesha R.Sowmya N.Gowthami	International Conference on Mathematical Sciences	Sathyabama University	04.03.2020 To 06.03.2020
4.	Object Detection using Optical Character Recognition for Vehicle Management	Karthikeyan.J Hariharasudhan.E Antony Allen Jabez.A Gowthami N	International Conference on Intelligent Computing (IConIC)	Panimalar Engineering College	26.03.2021 to 27.03.2021
5.	Diabetes Mellitus Analysis with Machine Learning	Balaji.G Balakarupparaja.M Karthikeyan.P	International Conference on Contemporary	Prince Sri Venkateswara Padmavathy	10.04.2021 to 11.04.2021



		Miracle Chriz Davidson.V Gowthami N	Engineering and Technology (ICCET)	Engineering College	
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### NATIONAL CONFERENCE:

S.No	Title of the Paper	Authors	Name of the Conference	Venue	Date
1.	Improving data availability through replication	Ms.N.Gowthami Ms.P.Golda Jeyasheeli	Frontiers In Applied Sciences And Computer Technology (FACT'12)	National Institute of Technology (NIT)	06.12.2012 to 07.12.2012
2.	Replication Algorithms for MANET	Ms.N.Gowthami Ms.P.Golda Jeyasheeli	National Conference on Information and Computing technology	Kingston College of Engineering	08.06.2013 To 09.06.2013
3.	Secure Communication through Trusted Nodes in MANET	A.Sandhiya S.Sharmila N.Gowthami	NCICT'16	Aadhithya Institute of Technology	18.03.2016
4.	Detection of Heart	M.MurugaPradeepa	National	Einstein College	--

	Rate using GSM Technology	V.SivaParvathy N.Gowthami	Conference on Recent Trends and Challenges in Engineering Research	of Engineering	
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### COURSES COMPLETION

S.No	Name of the Course	Organizer	Score	Academic Year
1.	Introduction to Research	NPTEL	50%	2015 -2016
2.	Introduction to Cryptology	NPTEL	78%	2016 - 2017
3.	Python for Data Science	NPTEL	73%	2019 - 2020
4.	Demystifying Networking	NPTEL	72%	2020 – 2021
5.	Algorithmic ToolBox	Course Era	Certified	2019 - 2020
6.	Data Structures	Course Era	Certified	2019 - 2020

### Ongoing Funded Projects:

S.No	Name of the Project	Name of the Funding Agency	Amount Received	Status	Academic Year
1.	Bus Seat Availability Detection System	NewGen – IEDC	Rs, 2,50,000	Ongoing	2019-2020

## INDUSTRIAL TRAINING

<i>S.no</i>	<i>Title</i>	<i>Organized by</i>	<i>Date</i>	<i>Venue</i>
1.	Declarative Development of Plotform App Builders	Salesforce	05.08.2019 to 09.08.2019	Mepco Schlenk Engineering College
2.	Creating a Resume Parser	Centizen	08.01.2020 To 13.01.2020	Centizen Inc Strategies, Solutions &Expert resources, Tirunelveli
3.	Job Readiness Program 2020 (Salesforce Developer)	Salesforce	17.08.2020 to 22.08.2020	National Engineering College
4.	Android Development with Kotlin	ICT Academy – Google Developer	08.03.2021 To 13.03.2021	National Engineering College