

## Faculty Profile



<b>Name:</b>	Manoj A
<b>Designation:</b>	Assistant Professor, COS Department
<b>Date of Joining:</b>	23.09.2024
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### **Educational Qualification:**

Degree	Subject	College/ University & Place	Year Completed
B.E.	Electrical and Electronics Engineering	Shanmuganathan Engineering College, Pudukottai., Under Anna University, Chennai.	2009
M.Tech	VLSI Design	Hindustan Institute of Technology and Science, Chennai.	2011

### **Experience:**

Institution Name	Designation	Year
K.L.N. College of Engineering, Madurai	Assistant Professor, EEE	7.12.2011 to 21.9.2024 (~13 Years)
The American College, Madurai	Assistant Professor, COS	23.9.2024 to till date

### **Academic Specialization:**

JAVA Programming, C/ C++ Programming, Python, Microprocessor and Microcontroller, VLSI Design, System Programming etc.

### **Administrative /Academic Position/s (held/currently holding):**

Positions held / currently holding	Year - From (month/year) To month/year)
NAAC Working Committee (Member) – Department Level	September 2024 to till date
Texas Instruments MoU In charge	2014 to 2024
MPMC Lab In charge	2018 to 2024
OBE Attainment Incharge (NBA and NAAC)	2014 to 2024
Placement Assistant Incharge (EEE)	2013 to 2024
Result Analysis Incharge	2013 to 2024
Symposium Incharge	2017 to 2024
College Publicity Committee	2014 to 2024
Student Mentor/ Counsellor	2012 to 2024
Student Project Coordinator	2012 to 2024
Value Added Course Incharge	2016 to 2024
ICT Tools & MOOC-LMS (MOODLE) Incharge	2017 to 2024
Student Project Video Creation Incharge	2016 to 2024

### **Book Published:**

S.No.	Book Name & ISBN	Author(s)	Publisher
1.	Principles of Management ISBN:978-81-92614-05-2	Manoj A Dr.S.Venkatanarayanan	S.V.Vijay Academy 2018

**Events Organized:**

<b>S.No.</b>	<b>Event Name</b>	<b>Month/ Year</b>
1	State Level Technical Symposium ECHELON 2K24	September 2024
2	3 Days Technical Core Training Program On “ELECTRICAL ENGINEERING”	July 2024
3	4 Days Skill Development Program On “APTITUDE TEST PREPARATION”	July 2024
4	4 Days Skill Development Program On “JAVA BASICS & CODING SKILLS”	July 2024
5	7 days Competency Development Program on “Python Boot camp” Phase II	February 2024
6	Value Added Course on “Embedded Systems Controller and Applications” Phase II	February 2024
7	7 days Competency Development Program on “Python Boot camp” Phase I	January 2024
8	Value Added Course on “Embedded Systems Controller and Applications” Phase I	January 2024
9	Expert Talk on “Power Systems Protection and Relaying ”	October 2023
10	Guest Lecture on “Oops and Java Programming ”	September 2023
11	State Level Technical Symposium on ECHELON 2K23	April 2023
12	5 days Value Added Course on “ Embedded Systems and Controller Applications ” (Phase-II)	January 2023
13	5 days Value Added Course on “Embedded Systems and Controller Applications” (Phase-I)	January 2023
14	Webinar- "Cellular Modem Technology"	November 2021
15	ATAL Sponsored Online Faculty Development Programme on “Artificial Intelligence Foundations for Power Systems”	October 2021
16	“Motivational Talk for Career Development”	February 2021
17	AICTE -Training and Learning(ATAL) sponsored Online Faculty Development Programme on “Machine Learning Applications in Energy Management of Smart Grid”	September 2020
18	“ Design and Simulation of Photovoltaic Systems for Standalone Applications”	June 2020
19	“Trends and Opportunities in VLSI Design”	June 2020
20	“ Job Sectors in IT andEmerging Technologies”	June 2020
21	“ Opportunities in IT sector and Skill Sets Expected”	June 2020
22	“Project Presentation –IOT based Dual Axis Solar Tracking System for Electric Vehicle &Investigations of Power and Power Quality Profile of Enhanced BLDC Motor for Energy Efficient Ceiling Fans”	June 2020
23	“Electronic Circuit Design, PCB Layout Design, New Product Development, Quality Management for Successfully Executing he Projects”	June 2020
24	“ Electrical Design Introduction ”	May 2020
25	“ PCB Design using KICAD EDA ”	May 2020
26	“Higher Studies in Abroad” (Opportunities in AI,ML)	May 2020
27	“ Forecasting Your Future on IT ”	May 2020
28	“ Mobile Application Development ”	May 2020
29	“ Analytical Thinking and Problem Solving ”	May 2020
30	“ Life After the Four Walls ”	May 2020
31	“Project Presentation 2020”	May 2020
32	“GATE & IES Preparation”	May 2020
33	“Engineering Employability Skills”	May 2020

34	A National Level Technical Symposium ECHELON 2K20	February 2020
35	Five days Value Added Course on “Abstract for Industrial Internet of Things with Real Time Data logging ”	December 2019
36	“Two days Value Added Course on Core Java”	July 2019
37	Five days Value Added Course on “Core JAVA”	June 2019
38	“TI Robotics Systems Lab kit (RSLK)using MSP432”	January 2019
39	5 days Value added Course on “C & C++ Programming and its Applications”	December 2018
40	Three Days Hands on Workshop on “Analog and Digital System Design” in Association with STEPS Knowledge Services, Coimbatore.	June 2018
41	Five Days Hands on Workshop on “Embedded Systems and IOT applications” in Association with STEPS Knowledge Services, Coimbatore.	June 2018
42	Six Days Workshop on “Embedded Systems & IoT Applications” [Under Texas Instruments University Program]	December 2017
43	“Applications of C++ & JAVA” (Backend and Graphics),	March 2017
44	“Shape your Career”	March 2017
45	National Level Technical Symposium- Mini Project Contest “ECHELON 2017”	March 2017
46	Training Program on “MSP430 Energy Efficient Microcontroller”,	December 2016
47	“Workshop on TI's MSP 430 Microcontroller”	November 2016
48	Hands on training in PMLK kit/	August 2016
49	Personality Development	July 2016
50	“WEBENCH”	March 2016

#### Events Attended:

S.No.	Event Name	Month/Year
1	Participated in the One Week National level Online Faculty Development Program on “Outcome Based Education and Application of Generative AI in Teaching and Research”.	March 2024
2	Participated & Completed Successfully for learning the course of “8051 Microcontroller” (6 months course)	30.1.2024
3	Participated & Completed Successfully for learning the course of “8086 Microprocessor” (6 months course)	4.8.23
4	Participated & Completed Successfully for learning the course of “8051 Microcontroller” (6 months course)	Jan 2023
5	Participated & Completed Successfully for learning the course of “8086 Microprocessor”	Jan 2023
6	Participated in the AICTE Sponsored two week online FDP on “Applications of Machine Learning & Deep Learning in Electrical Engineering” Series-I.	Jan 2021
7	Participated in Electronics & ICT Academy, IIT Roorkee sponsored Faculty Development Programme on “Embedded System & Wireless Sensor Network for IOT”.	Feb 2020
8	Participated in the TEQIP III Sponsored Three Days Workshop on “Enabling High Performance Computing in Cloud”	June 2018
9	Participated in the Two day workshop on “Smart Grid and Micro Grid Systems – Research Issues”	May 2018
10	Attended Anna University approved FDTP on “EI 6703 – Fiber Optics and Laser Instruments”	May 2017

11	Attended short term course on “Embedded System Practices” [NITTR, Chandigarh Funded]	May 2017
12	Visited Harihar Granites, Kanha Granites, Poovanthi, Madurai – 625020	Feb 2017
13	Texas Instruments Sponsored FDP on “Analog, MCU, Webench and Connectivity”	June 2016
14	IEI Sponsored Two days National workshop on “Smart Grid”	Jan 2016
15	Visited EID-Parry Ltd, Distillery Unit, Sivagangai. (Industrial Visit)	Jan 2016
16	TEQIP-II Sponsored One week Faculty Development Programme on “Power Electronics Applications in FACTS and Renewable Energy”	Jan 2016
17	TEQIP –II sponsored course on “Foundation Skills in Integrated Product Development [FSIPD].	Nov 2015
18	AICTE Sponsored Faculty Development Programme In Entrepreneurship	June 2015
19	One week FDP on “Recent Trends in Power Systems and Power Electronics”	May 2015
20	One day FDP on “Autodesk Tools on Electrical and Electronics Engineering”	Jan 2015

### Publications:

1. Mr.A.Manoj, Maximizing agriculture yield using UV Ray and IoT, ESP Journal of Engineering & Technology Advancements, Vol:4 issue:01 2024-April, ISSN no: 2583- 2646.
  2. IoT Enabled Real-Time Fishpond Management System, SSRG International Journal of Electrical and Electronics Engineering (SSRG-IJEEE), ISSN: 2348 – 8379 PP:146-148 Special Issue ICRTECITA April 2018.
  3. A.Manoj R.Karthigai Selvan T. Naveen Kumar S. Ragul Krishna, Maximizing agriculture yield using UV Ray and IoT, International Conference on Sustainable Development in Engineering and Technology ICSDET’24, K.L.N. College Of Engineering, 2024 April.
  4. A. Manoj, Involuntary Power Meter Lectura System, National Conference on Power Electronics and Drives (NCPED’20), Alagappa Chettiar Government College of Engineering and Technology, 05th March 2020.
  5. A. Manoj, Design and Implementation of Hospital management System & ICU Room Automation using IoT, International Conference on Trending Technologies in Engineering Research (ICTER-2019), Mangayarkarasi College of Engineering Madurai, 15th March 2019.
  6. A.Manoj, IOT Enabled Real – Time Fishpond Management System, 2nd International Conference on Recent Trends in Engineering, Computers Information Technology and Applications – ICRTECITA-18, PSNA College of Engineering and Technology, 23rd MARCH 2018.
  7. A.Manoj, Micro grid Controlling Using TBSSFCL, International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT’2017), Pondicherry Engineering College, Pondicherry, 24th - 25th February 2017.
  8. A.Manoj, Controlling of National Grid Using SSFCL, National Conference on Recent Trends in Networking, Computing and Communication(RTN2C 17), PSNA College of Engineering and Technology, Dindigul, 27th March 2017
  9. A.Manoj, Micro grid Controlling Using TBSSFCL, International Conference on Contemporary Topics in Power Engineering and Aiding Technologies (ICCPEAT’2017), Pondicherry Engineering College, Pondicherry, 24th - 25th February 2017.
  10. A.Manoj, Controlling of National Grid Using SSFCL, National Conference on Recent Trends in Networking, Computing and Communication (RTN2C 17), PSNA College of Engineering and Technology, Dindigul, 27th March 2017.
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