




JSS Mahavidyapeetha
JSS Academy of Technical Education, Noida
Department of Electrical & Electronics Engineering.



FACULTY PROFILE

Department: Electrical and Electronics Engineering

1. Personal Details

NAME	Mrs. Aishwarya G. Patil	
DEPARTMENT	Electrical & Electronics Engineering	
DESIGNATION	Assistant Professor	
PHONE	9742393279	
EMAIL ID	aishwaryapatil@jssaten.ac.in	
Date of Joining (JSSATEN)	27-08-2018	

2. Experience

Total Experience in Years	Teaching: 4.11 Years	Industry:	Research:
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3. Qualifications

Courses	Specialization	Year of award	Institution	University
M.Tech	Digital Communication & Networking	2015	SEACET, Bangalore	VTU, Belgaum
B.Tech	Electronics & Communication Engineering	2013	AIET, Gulbarga	VTU, Belgaum

4. Research & Publications

Papers Published in Web of Science indexed Journals	International:	National:
Papers Published in SCOPUS indexed Journals	International:	National:
Papers Published in other Journals	International: 2	National:
Papers Presented in Conferences / Symposium	International: 2	National: 3
Books / Book chapters Published	Name of the book: Publisher: Year of Publication:	
	Name of the book: Publisher: Year of Publication:	

5. Research Guidance

PhD Guide? Give field & University		University:
PhDs / Projects Guided	Ph.D. Awarded: Guiding:	Projects at Master's Level: Projects at Bachelor's Level: 8

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/
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				Body / Organization
SOLAR BASED WATER QUALITY MANAGEMENT	Rs. 20000/-		6 months	CSTUP- Centre for Science & Technology Uttar Pradesh

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	Detection and monitoring of Covid-19 from smart phone and digital clock using intelligent technique	Published

iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization

7. Awards Received

Awards “Best Paper Award”	Received “Best Paper Award” for the research paper Entitled “Density Based Traffic Control System” Aishwarya G. Patil, Yashasvi Singh, Saumya Yadav, Saurabh Yadav and Deepak Chandr, at National Conference on Smart Energy Systems, JSS Academy of Technical Education, Noida, India, dt. 14 th , 15 th June 2019.
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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Performance analysis of Directional Media Access Control Protocol for	Aishwarya G. Patil, Prof. M. Nagraj	International Journal of research and scientific innovation (IJRSI),	ISSN: 2321-2705, Volume: II, Issue: VII, PP: 01-05, July, 2015		3.65	

	Optical Wireless Sensor Networks						
2.	2.Optimization of Second Order Non-Linear system using Fuzzy Logic Controller”,	Dr. G. M. Patil, Mr. AbhinavSaxena, Ms. Aishwarya G Patil	IEEE Journal				IEEE International Conference on Computing, Electronics & Communications Engineering 2019 (IEEE iCCECE '19).

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Development and analysis of Directional Media Access Control Protocol for Optical Wireless Sensor Networks using NS-2 and Tcl	Aishwarya G. Patil, Prof. M. Nagraj					International conference on recent trends in signal processing, Image processing and VLSI, Don Bosco Institute of Technology, Bengaluru, India, dt. 15 – 16 May, 2015.
2	Hybrid Power Generation using Solar and	Aishwarya G. Patil, AlankritSriv					International Conference on

	Vertical Axis wind turbine	astava, Komal Gupta and LavanyaNidhi Mishra					Intelligent Control and Computation for Smart Energy and Mechatronics Systems (ICCSEMS - 2020), 25th - 26th, September, 2020.
3	Design and Performance analysis of Directional Media Access Control Protocol for Optical Wireless Sensor Networks using Microcontroller	Aishwarya G. Patil, Prof. M. Nagraj,					National conference on Advanced Communications, VLSI Design and Signal Processing, K. S. School of Engineering and Management, Bengaluru, India, dt. 29 th April, 2015.
4	Density Based Traffic Control System	Aishwarya G. Patil, Yashasvi Singh, SaumyaYadav ,SaurabhYadav and Deepak Chandr					National Conference on Smart Energy Systems, JSS Academy of Technical Education, Noida,India, dt. 14th, 15th June 2019.
5	SOLAR BASED WATER QUALITY MANAGEMENT	Aishwarya G. Patil, ShivangiChaturvedi, Vinayak Gaur, NishaVikram and Saurav Kumar Singh					National Conference on Smart Energy Systems, JSS Academy of Technical Education, Noida,India, dt. 14 th , 15 th June 2019.

iv. Workshops /Conferences Attended

S. No.	Name of the Workshop/conference	Organizer	Date
1	14 th international Conference on Computing Communication & Automation.	Galgotias university	14 th , 15 th December 2018
2	Workshop on AI & IOT: Lead the age of sensor Technology	JAYPEE Institute of Information Technology.	17 th , 18 th December
3	Workshop on a Hands on introduction to modern wireless systems: Theory & simulation	IIT Kanpur.	3 rd to 6 th December
4	Summer Faculty Research Programme	IIT Delhi.	May 22 nd to July 22 nd 2019
5	One Week FDP on “Sustainable & Reliable Solutions to Power Quality Problems in Smart Power Systems Network”.		
6	National conference on advanced communication, VLSI design and signal processing,	K.S.School of Engineering and Management, Bengaluru.	29 th April, 2015
7	International conference on recent trends in signal processing, image processing and VLSI	Don Bosco Institute of Technology, Bengaluru.	2015
8	3 days FDP on ARM processor laboratory and design and analysis of algorithms laboratory.	SVIT Bangalore	2017
9	Faculty refresher program on “contemporary classroom management techniques”.	SVIT Bangalore	2017
10	One day national webinar on "How Ego states and social Transaction help Communicate Effectively "	JSSATE, NOIDA	22 nd July 2020.
11	National webinar on "Application of Fibrous Materials for Energy Storage" -	JSSATE, NOIDA	20 th July 2020.
12	3 days webinar on " Combatting COVID - 19 Pandemic with AI and Robotics: Innovative Indian Startups"	JSSATE, NOIDA	8 th , 10 th June 2020.
13	A webinar on " Decoding the Health Code: Are we future ready?"	JSSATE, NOIDA	22 nd June 2020.
14	2 days Webinar on "Real time Modeling & Control of Energy Systems and	JSSATE, NOIDA	11 th , 12 th June 2020.

	Devices" -		
15	International Conference on Intelligent Control and Computation for Smart Energy and Mechatronics Systems (ICCSEMS - 2020),	JSSATE, NOIDA	25 th - 26 th , September, 2020.
16	National Conference on Smart Energy Systems	JSSATE, NOIDA	14 th , 15 th June 2019.
17	National Conference on Smart Energy Systems	JSSATE, NOIDA	14 th , 15 th June 2019.

v. Workshops / Conference (Organized)

S. No.	Name of the Workshop/conference	Organized By	Date
1.	National Conference on Smart Energy Systems	JSSATE, NOIDA	14 th , 15 th June 2019.

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)

S. No.	Name of the Workshop/conference	Organizer	Date
1.			

9. Details of NPTEL / COURSERA courses completed

S. No.	Name of the Subject	Organized By	Date of Completion Award	Grade/Marks
1	Signals & Systems	IIT Kharagpur		
2	Microprocessors	IIT Bombay		
3	Basics of sensors & Transducers	IIT Kanpur		
4	Power Electronics	IIT Bombay		
5	Professional Ethics	IIT Roorkee		

10. Membership of Professional Bodies:

1.
2.

11. Any other information you will like to share about your professional experience

Name: Mrs. Aishwarya G. Patil
Designation: Assistant Professor
Department: EEE

JSSATEN