



### FACULTY PROFILE

<b>Name</b>	<b>Dr. Somanath J Patil</b>
<b>Employee ID</b>	AIET064
<b>Designation</b>	Associate Professor
<b>Educational Qualification</b>	BE, M.Tech & Ph.D.
<b>Area of Specialization</b>	Computer Science
<b>Department</b>	Computer Science & Engineering
<b>Date of Joining to AIET</b>	18.08.2025
<b>Total Experience in years</b>	Teaching :13 Years Research:9 Years
<b>E-mail</b>	<a href="mailto:somuvnecs@gmail.com">somuvnecs@gmail.com</a>

### Details of Educational Qualification

Degree	Specialization	Passed out year	University
Ph.D.	Cloud Computing	2016	Bundelkand University Jhansi
M.Tech	Software Engineering	2012	VTU,Belagavi
BE	Information Science & Engineering	2009	VTU,Belagavi

### Research Details

Research Areas	Cloud Computing, Networking & Internet of things
Google scholar ID	<a href="https://scholar.google.com/citations?user=MqdHd3wAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=MqdHd3wAAAAJ&amp;hl=en</a>
ORCID-ID	0009-0000-3092-1220

## Papers Published in Journals

Sl. No	Title of the paper	Year of Publication	Journal Name	DOI
1	Various method for medical image registration	2016	IJARCSSE	--
2	Segmentation of Retinal Vascular Network Using graph cut method”	2017	AREEE	--

## Papers Presented in Conferences

Sl. No	Title of the paper	Name of the Conference	Date of Conference	Place of Conference
1	Randomized Unit Testing Implementation Genetic Algorithm	Soft computing & Intelligent Networks	27&28/4/2011	AMC Engineering College Bangalore
2	The Deformable image of Brain Tumor A Study	ICRASE 2015	9&10/05/2015	Bangalore
3	TOR Networks to Block Misbehaving User	Cloud computing & Enterprise networks	21& 22/03/2012	AMC Engineering College Bangalore
4	A survey on under water wireless sensor networks	International conference (MECIT-2017)	14/10/2017	New Delhi
5	Segmentation of retinal vascular network using graph. Cut method	MECIT-2017	14/10/2017	New Delhi
6	Aggregate diversity in recommender system using cross check approach	ICCTAI-2012	11/12/2012	Penag Malaysia
7	Context Aware neural methods for word replacement & sentence Simplification to improve test accessibility	SJCIT, Tumkur	19&20 Dec 2025	Tumkur
8	Women Safety Monitoring and Emergency Alert System Using AI	IJETCSE	19/01/2026	Bangalore
9	Design and Implementation of Weather Forecasting System using Machine Learning	IJETCSE	19/01/2026	Bangalore

**Book Published**

Sl. No	Title of the book	Year of Publication	Published by	ISBN
1	Hands-on Machine Learning for Real world Soluton	2025	SK Research group of companies	978-93-6492-033-9
2	Internet of Things: Integration & Intelligence	2025	Chendur Publishing house Chennai	978-81-991648-7-1

**IPRs/ Patents**

Sl. No	Title of the IPRs/ Patents	Year of Publication	IPRs/ Patents number
1	Privacy preserving location data publishing: A machine learning approach	2024	202441093001 (Application Number) Waiting for grant
2	Cloud Computing Device for Enhanced network Security System	2026	Design Patent 477946-001

**Membership of Professional Bodies**

Sl. No	Professional Body / Society	Year of Joining	Nature of Membership	Membership ID
1	The Institution Engineers (India)	2016	Corporate Member	AM1870222

**Faculty Development Program (FDP)/Student Development Program (SDP)/Conference organized**

Sl. No	Name of the program	FDP/SDP/Conference	Period	
			From	To
1	OBE Based Education: A Road Map To NBA(TEQIP 1.3 Sponsered	Workshop	21.1.2020	25.1.2020
2	Simulation & TestBed Environment for research challenges in wired & wireless networks	Workshop	28.7.2021	02.08.2021
3	“use of Open source software in the technical institution”	FDP	6-10-2017	7-10-2017
4	Research Methodology	FDP	31-07-2017	5-8-2017

**Past positions**

<b>Sl. No</b>	<b>Designation</b>	<b>Organisation</b>	<b>Period</b>	
			<b>From</b>	<b>To</b>
1	Associate Prof	VNEC Shorapur	2.08.2025	17.8.2025
2	Associate Prof & HoD	VNEC Shorapur	02.01.2018	01.08.2023`
3	Asst. Professor & HoD	VNEC Shorapur	21.05.2013	01.01.2018

**Position held, membership of state / national committees**

<b>Sl. No</b>	<b>Designation</b>	<b>Organisation</b>	<b>Period</b>	
			<b>From</b>	<b>To</b>
01	BOS Member	Sharnbasava University	2020	Till date