

BRIEF PROFILE OF DR. SANJAY V. DUDUL,

Professor and Head, Department of Applied Electronics,
Sant Gadge Baba Amravati University, Amravati



DR. SANJAY VASANT DUDUL

IN-CHARGE DEAN,
FACULTY OF SCIENCE & TECHNOLOGY,

PROFESSOR AND HEAD,
DEPARTMENT OF APPLIED ELECTRONICS,
SANT GADGE BABA AMRAVATI UNIVERSITY,
AMRAVATI

OFFICIAL ADDRESS	RESIDENTIAL ADDRESS
PROFESSOR AND HEAD, DEPARTMENT OF APPLIED ELECTRONICS, FACULTY OF SCIENCE & TECHNOLOGY, SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI – 444 602 (MAHARASHTRA)	42, OM, NANDANVAN COLONY BEHIND AJINKYA COLONY NEAR SHRI VITTHAL MANDIR LANDMARK: CRICKET GROUND VMV ROAD, AMRAVATI – 444604 (MAHARASHTRA)
CONTACT svdudul@gmail.com , sanjaydudul@sgbau.ac.in ; sanjaydudul64@gmail.com ; hodae@sgbau.ac.in	
MOBILE 9420077111 (WhatsApp); 8830372446	

PROFILE

□ Educational Qualifications:

- o B.E. (Electronics & Power Engineering), First Class with Distinction, 1986, Government College of Engineering, Amravati, Nagpur University, GOLD MEDAL
- o M. E. (Electronics Engineering with specialization in Computer Applications), First Class with Distinction, 1989, Walchand College of Engineering, Sangli, Shivaji University, Kolhapur

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- o Ph.D. Electronics Engineering, (*A Topic of Artificial Intelligence*), 2003

Other Exams qualified:

- o **GATE** (I.I.T., Powai, Bombay) on 09th February 1986 with 89 % percentile
- o **MSCIT** (Maharashtra State Certificate course in IT) Exam in August 2002 with 92% score

Teaching Experience : 33 years

Appointed as a **Professor (under CAS)** w.e.f **31.07.2003**

Appointed as a **Professor (through Direct Recruitment)** w.e.f **30.09.2008**

Administrative Experience : 16 Years

Designated as a **Head of the Department** w.e.f. **01.04.2004**

Research Experience : 18 years

No. of Books Published: 01

Recognized and listed in *World Scientist and University Rankings 2021*

SCOPUS AUTHOR ID: 8328707900

Web of Science Researcher ID: AAY-5054-2020

ORCID Researcher ID: 0000-0002-9242-8623

ORCID ID QR CODE:



GOOGLE SCHOLAR ID: JR3EzIUAAAAJ

GOOGLE SCHOLAR LINK: <https://scholar.google.com/citations?user=JR3EzIUAAAAJ&hl=en>

Vidwan-ID : 43291

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- ❑ **Vidwan Link:** <https://vidwan.inflibnet.ac.in/profile/43291>
- ❑ **Semantic Scholar Link:** <https://www.semanticscholar.org/author/Dr.-Sanjay-Vasant-Dudul/2185153>
- ❑ **No. of Patents (Indian) Awarded** : **01 Patent Granted by Government of India, Patent**
Office (Patent No. 323504 granted on 23/10/2019)
 - Invention entitled "*Laser Mouse Navigation Sensor System for Thickness Measurement*"
- ❑ **Total No. of Research Paper/Article Publications** :
 - **A. Original Peer Reviewed (Refereed) Journal Publications: 102+**
 - **Refereed peer reviewed International Journals : 90**
[Including IEEE Transactions (04) and Elsevier Science Direct Journals, SciVerse (12)]
 - **Peer reviewed National Journals (Refereed) : 12**
 - **RESEARCH ARTICLES LISTED IN SCOPUS: 55 (592 CITATIONS, h-index = 12)**
 - **RESEARCH ARTICLES LISTED IN CORE WEB OF SCIENCE COLLECTION: 34**
(340 CITATIONS, h-index = 8)
 - **RESEARCH ARTICLES LISTED IN GOOGLE SCHOLAR: 102+**
(1110 CITATIONS, h-index = 17, i-10 index = 26)
 - **RESEARCH ARTICLES LISTED IN IEEE XPLORE: 27**
 - **RESEARCH ARTICLES LISTED IN SEMANTIC SCHOLAR: 79 (829 CITATIONS, h-index = 14)**
 - **Full papers in Peer Reviewed Refereed International Conference Proceedings with ISBN : 60+**
 - Amravati University Research Journals: 03
 - B. Review: 21
 - National Conference Proceedings: 17

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- Other articles: 04

WORLD SCIENTIST AND UNIVERSITY RANKINGS 2021:

Dr. Sanjay V. Dudul, Professor and Head of the Department at Sant Gadge Baba Amravati University, Amravati (Maharashtra, India) has been Recognized and listed in World Scientist and University Rankings 2021.

The screenshot displays the AD Scientific Index 2021 website. The main profile for Sanjay Vasant Dudul is shown, including his university (Amravati University), country (India), and subject (Engineering & Technology / Electrical & Electronic Engineering). The H-index is 16, and the i10 index is 26. The citation count is 1067. Below the profile, a table shows rankings for Amravati University (17), India (23891), Asia (145501), and World (699389). The table also lists various metrics such as Total H, Engineering & Technology, Electrical & Electronic Engineering, Last 5 years H, Total i10, Last 5 years i10, Total Citation, and Last 5 years Citation.

	Amravati University (17)	India, Republic of (23891)	Asia (145501)	World (699389)
Total H	12	8839	62441	343675
Engineering & Technology	Progress	Progress	Progress	Progress
Electrical & Electronic Engineering	Progress	Progress	Progress	Progress
Last 5 years H	12	11564	81389	417665
Total i10	10	8029	55944	301049
Last 5 years i10	14	12214	83679	413131
Total Citation	12	8891	63155	361695
Last 5 years Citation	12	11564	81387	417665

PATENTS AND INVENTION DISCLOSURES:

03 Patents filed (published in Indian Patent Journals)

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02 Filed

- Registered Ph. D. Supervisor for both Electronics Engineering and Computer Engineering at Sant Gadge Baba Amravati University, Amravati

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- No. of Students AWARDED PH.D. UNDER MY SUPERVISION : 16**

- No. of Students Awarded M. Phil. under supervision : 05

- No. of Ph.D. Students pursuing Ph. D. under supervision now : 04**

- Contributed to Proposals and Grants/Funds received by the University Sustainable Development Centre, DST PURSE, IDPs for the University under RUSA, IP based PA System for the university, etc. Received about 1.9 Crores (IMF, IMA, Renovation of CIC, establishment of Fablab, etc.)

- No. of Workshops Organized on Neural Computing : 05

- Reviewer:**
 - IEEE Transactions on Neural Networks and Learning Systems*
 - IEEE Transactions on Instrumentation and Measurement*
 - IEEE Transactions on Pattern Analysis and Machine Intelligence*
 - Elsevier International Journal Applied Soft Computing*
 - Elsevier International Journal Neuro Computing*
 - Elsevier International Journal Expert Systems and Applications*
 - WSEAS Transactions on Computers*

- Worked as a Mentor for M.S (Software Systems) programme conducted by BITS, Pilani*

- Member of WSEAS (World Science and Engineering Academy and Society) International Working Group on Computers*

- Chaired Sessions in National/International Conferences*

- Member of Editorial Boards of International Journals*

- Member of Advisory Boards of National/International Conferences*

- Chaired sessions on Artificial Intelligence, Advanced Image Processing and Neural Networks at numerous International Conferences*

- Acknowledged as an expert in Neural Networks by international communities/bodies such as IEEE International Neural Network Society, WSEAS (World Science and Engineering Academy and Society), Elsevier (Science Direct)*

- Invited to work as an Adjunct Professor of Computer Engineering at Vishwakarma Institute of*

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Information Technology, Pune – 411 048

IMPORTANT POSITIONS HELD:

Dean (R & D) at VIIT, Pune

Director of Internal Quality Assurance Cell

Coordinator of Central Instrumentation Cell

Coordinator of Fabrication Laboratory (FABLAB)

Coordinator of UGC-NET Examination

Chairman of PET Examination Committee Member of IQAC

Chairman of National Education Policy 2020 Cell (NEP Cell), SGBAU

In charge Dean, Faculty of Science and Technology w.e.f. 12.01.2022

CHAIRMAN: Technical Committee for purchase of equipment, Rate Recommendation Committee, National Education Policy-2020 Cell of SGBAU, Amravati; Academic Bank of Credit Committee of SGBAU, National Education Policy 2020 Cell (NEP Cell), SGBAU

COORDINATOR: for IGTR, Aurangabad Sub Centre at SGBAU, Amravati for **academic** Collaboration between Indo German Tool Room, Aurangabad and SGBAU, Amravati for conduction of skill based short-term and medium-term courses

RECOGNIZED AS A NAAC ASSESSOR

MEMBER:

Management Council of Sant Gadge Baba Amravati University w.e.f. 01.09.2019 to 31.08.2020

Board of Governance of Government College of Engineering, Amravati

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Member of IQAC, Sant Gadge Baba Amravati University, Amravati

Board of Innovation, Incubation and Enterprise

Advisory Committee for Swachha Bharat Scheme (UGC)

Solar Power Station Committee

API Evaluation Committee;

Advisory Committee for UGC-Human Resource Development Centre

Advisory Committee constituted for Web-based Integrated University Management System

Purchase Committee

RRC of Electronics Engineering at SGBAU

BOS (Electronics Engineering) at SGBAU, Govt. College of Engineering, Amravati and Govt. Polytechnic, Amravati

BOS (Electronics) RSTM Nagpur University, Nagpur

BOS (Electronics), Institute of Science, Nagpur

IPR Cell, SGBAU

Committee for AICTE Model Curriculum

CCTV Committee

IP based PA System

Proposal making for Centre for Potential of Excellence, DST PURSE and Sustainable Development Centre at SGBAU

AWARD/HONOUR:

Eminent Engineer Award in 2005 by I. E. (India)

Marquis Who's Who Honour by Marquis Who's Who Ventures LLC, New Jersey USA in

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2014

FELLOW OF

1. *The Institution of Engineers (India), F 110230-5 (From 13th November, 2004)*
2. *The Institution of Electronics and Telecommunications Engineers, F 109134 (From 8th December 2004)*

CHARTERED ENGINEER OF

The Institution of Engineers (India) from 18/03/2005

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

1. The Institution of Electronics and Telecommunications Engineers (IETE) M 109134, since 26th May, 1995
2. The Institution of Engineers (IE) (India) M 114459/0, 17th October, 1997
3. Computer Society of India (CSI), LM 011, since 9th August, 1995
4. Instrument Society of India (ISOI), LM 1357, since 14/02/2005
5. Indian Society for Technical Education (ISTE), LM 7180, since 1990
6. Indian Science Congress Association (ISCA) (Kolkata), LM 6773

CURRENT RESEARCH ACTIVITY AND INTEREST:

- Image Processing
- AI in Pattern Recognition, Prediction and Regression
- Machine Intelligence: A Soft- Computing Approach
- Advance digital signal processing
- Pattern Recognition, Analysis and Machine Intelligence

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- ❑ Computational Intelligence
- ❑ Bio-medical Signal Processing
- ❑ Intelligent/Smart Sensors and Instrumentation
- ❑ Learning Systems
- ❑ VLSI and Embedded Systems

TABLE I. Ph.D. Awarded/Produced: 16

S. N.	Title of the Thesis	Subject & Faculty	Candidate/ Date of Registration	Year
1	Neural Network based Emotion state Recognition System	Electronics Engg./ Engg. & Technology	Govind U. Kharat 15/07/2006	No. 118/2009 Date: 21.12.2009
2	Design of Intelligent Sensors using Neural Network Approach	Electronics Engg./ Engg. & Technology	Nadir N. Charniya 15/07/2004	No. 03/2010 Date: 07.01.2010
3	Complex Nonlinear Chaotic Dynamics Modelling using Neural Network Approach	Electronics Engg./ Engg. & Technology	Sanjay L. Badjate 15/07/2004	No. 10/2010 Date: 13.04.2010
4	Study of Induction Motor Fault Detection and Diagnosis using Neural Network Techniques and Statistical classifiers	Electronics Engg./ Engg. & Technology	Vilas N. Ghate 15/01/2005	No. 10/2010 Date: 13.04.2010
5	Designing Optimum Intelligent Clinical Decision Support System for Cardiac Arrhythmias and Heart Diseases: a Neuro Computing Approach	Electronics Engg./ Engg. & Technology	Mrs. R. D. Raut 15/07/2004	No. 13/2010 Date: 13.05.2010
6	Intelligent Nonlinear Regression: a Neuro Computing Approach	Electronics Engg./ Engg. & Technology	Mrs. S. N. Kale 15/07/2004	No. 13/2010 Date: 13.05.2010
7	Development of Optimal Decision Support System for Diagnosis of Hepatitis Disease using Neural Network Approach	Electronics Engg./ Engg. & Technology	Pradeep T. Karule 15/07/2005	No. 13/2010 Date: 13.05.2010
8	Study of Short-term Maharashtra State Electrical Power Load Prediction with special emphasis on Weather compensation, weekends, festival and seasonal changes using Recurrent Neural Networks and Statistical Techniques	Electronics Engg./ Engg. & Technology	Sanjay M. Kelo 15/07/2006	No. 59/2011 Date: 18.05.2011

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9	Development of Optimal Neural Network Models for System Identification of Typical Magnetic Stirrer and Continuous Stirring Tank Reactors	Electronics Engg./ Engg. & Technology	Sanjay N. Naikwad 15/07/2004/15-7-2009	No. 70/2012 Date 01.09.2012
10	Detection and Isolation of Automobile Engines' Faults Using State – of- the- Art Signal Processing Techniques	Electronics Engg./ Engg. & Technology	Shankar N. Dandare 15.07.2009	Notification No. 40/2015 Dated: 13-02-2015
11	An Efficient Algorithm for Pollen Classification using Computational Intelligence Approaches	Comp. Science & Engg./Engg. & Technology	Vijay R. Dhawale 15.07.2010	No. 66/2015 Date: 3.08.2015
12	Development of Clinical Decision Support System for Diagnosis of Epilepsy using Artificial Intelligence Techniques	Electronics Engg./ Engg. & Technology	Pravin A. Kharat 15.07.2009	No. 69/2015 Date: 28.08.2015
13	Neuro Computing Approach for Rainfall Prediction	Electronics Engg./ Engg. & Technology	Nizar Ali Charaniya 15-01-2009	No. 74/2015 Date: 02.11.2015
14	Study of Optimal Classifiers based on Computational Intelligence Techniques for the diagnosis of Lung Cancer	Electronics Engg./ Engg. & Technology	Vijay L. Agrawal 15-01-2011	No. 160/2017 Date: 31.08.2017
15	Computational Intelligence based approach for steganography and steganalysis of images	Electronics Engg./ Engg. & Technology	Ku. Archana O. Vyas 15.01.2014	No. 9/2020 Date: 01.09.2020
16	Denoising Framework for Efficient Removal of Noise from Digital Videos and 3-D Images	Electronics Engg./ Engg. & Technology	A. B. Deshmukh, 15.01.2015	No. 59/2021 Date: 28.10.2021

TABLE II: Patents Granted and Filed (Granted: 01, Filed and Published: 03)

S. N.	Title of Invention/Patent	International Classification	Date of filing	Application No.	Publication Date	Status of Patent
1	<i>Laser Mouse Navigation Sensor System for Thickness Measurement by N. N. Charniya and S. V. Dudul</i>	<i>G01B11/06</i>	<i>20/04/2010</i>	<i>1287/MUM/2010</i>	<i>18/06/2010 Journal No. 25/2010</i>	<i>GRANTED On 23/10/2019</i>

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2	Intelligent Diagnosis of Epilepsy using a hybrid three level wavelet decomposition and neural network based approach by S.V. Dudul and P.A. Kharat	A61N1/36	25/02/2015	609/MUM/2015	10/04/2015 Journal No. 15/2015	Awaiting Examination
3	Method for low cost robust Multiple Faults Detection in Automobile Engines based on Neuro Computing Approach by S. V. Dudul and S. N. Dandare	G06F19/00, F02D	07/04/2015	1447/MUM/2015	24/04/2015 Journal No. 17/2015	Awaiting Examination
4	Reliable Process for Pollen Classification from Pollen Images using Computational Intelligence by S. V. Dudul, J. A. Tidke and V. R. Dhawale	G06K9/00, G06K9/52	07/05/2015	1819/MUM/2015	22/05/2015 Journal No. 21/2015	Awaiting Examination

SIGNIFICANT PEER REVIEWED AND REFEREED JOURNAL PUBLICATIONS (All Listed in SCOPUS and WEB of SCIENCE)

1. S. V. Dudul, "Prediction of a Lorenz Chaotic Attractor Using Two-Layer Perceptron Neural Network", *International Journal of Applied Soft Computing, Elsevier Science, vol. 5, July 2005, Issue 4, ISSN No.: 1568-4946, pp. 333-355. (Impact Factor: 6.725)*
2. Charniya N. N. and Dudul S. V. "Sensor for Classification of Material Type and its Surface Properties using Radial Basis Networks", *IEEE Sensors Journal, ISSN: 1530-437X, Vol. 8, Issue 12, December 2008, pp. 1981-1991. (Impact Factor: 3.301)*
3. Kale S. N. and Dudul S. V., "Intelligent Noise Removal from EMG Signal using Focused Time Lagged Recurrent Neural Network", *Hindawi International Journal of Applied Computational Intelligence and Soft Computing, Hindawi Publication Corporation, New York, USA., ISSN: 1687-9724 (Print), ISSN: 1687-9732 (Online), Vol. 2009, Article ID 129761, 12 pages doi:10.1155/2009/129761, (Impact Factor: 2.103)*
4. Badjate S. L. and Dudul S. V., "Novel FTLRNN with gamma memory for short term and long term prediction of chaotic time series", *International Journal of Applied computational Intelligence and Soft Computing, Hindawi Publication Corporation, New York, USA., ISSN: 1687-9724 (Print), ISSN: 1687-9732 (Online), Vol. 2009, Article ID 364532, 21 pages, doi 10.1155/2009/364532, (Impact Factor: 2.103)*
5. Charniya N. N. and Dudul S. V., "A Simple Low-Cost System for thickness measurement of metallic plates

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using Laser mouse navigation sensor”, IEEE Transactions on Instrumentation and Measurement, ISSN: 0018-9456, Vol. 59, No. 10, October 2010, pp. 2700-2705. (Impact Factor: 4.016)

6. *Ghate V. N. and Dudul S. V., “Optimal MLP Neural Network Classifier for Fault Detection of Three Phase Induction Motor”, Elsevier (Science Direct) International Journal of Expert Systems with Applications, ISSN: 0957-4174, 37 (2010), pp. 3468-3481. (Impact Factor: 6.954)*
7. *Ghate V. N. and Dudul S. V., "Cascade Neural-Network-Based Fault Classifier for Three -Phase Induction Motor" IEEE Transactions on Industrial Electronics, ISSN: 0278-0046, Vol. 58, No. 5, May 2011, pp. 1555-1563. (Impact Factor: 8.236)*
8. *Charniya N.N. and Dudul S.V., “Classification of material type and its surface properties using digital signal processing techniques and neural networks”, Elsevier (Science Direct) International Journal of Applied Soft Computing, ISSN No.: 1568-4946, 11(2011), pp. 1108-1116. (Impact Factor: 6.725)*
9. *Kelo S. M. and Dudul S. V., “Short-Term Maharashtra State Electrical Power Load Prediction with Special Emphasis on Seasonal Changes Using a Novel Focused Time Lagged Recurrent Neural Network Based on Time Delay Neural Network Model”, Elsevier (Science Direct) International Journal (Science Direct) on Expert Systems With Applications ESWA-D-09-01173, ISSN: 0957-4174, 38(2011), pp. 1554- 1564. (Impact Factor: 6.954)*
10. *Charniya N. N. and Dudul S. V., “Intelligent Sensor System for Discrimination of Material Type using Neural Networks”, Elsevier International Journal of Applied Soft Computing, ISSN No.: 1568-4946, January 2012, Volume 12, Issue 1, January 12 (2012), pp. 543-552. (Impact Factor: 6.725)*
11. *Sanjay Kelo and Sanjay Dudul, “A wavelet Elman neural network for short-term electrical load prediction under the influence of temperature”, International Journal of Electrical Power and Energy Systems, The International Journal for Power Systems Computation, ISSN: 0142-0615, SciVerse, Science Direct (Elsevier), Volume 43, 2012, pp. 1063-1071. (Impact Factor: 4.630)*

All of the information furnished above is true to the best of my knowledge and belief.

(Dr. Sanjay Vasant Dudul)